

**FINAL**

**PHASE I ENVIRONMENTAL BASELINE SURVEY**

**FOR THE ACQUISITION OF  
A UTILITY EASEMENT BY CLARK COUNTY FROM NELLIS AIR FORCE BASE,  
CLARK COUNTY, NEVADA**



**2008**

## Report Documentation Page

*Form Approved*  
*OMB No. 0704-0188*

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1. REPORT DATE <b>06 FEB 2008</b>	2. REPORT TYPE <b>N/A</b>	3. DATES COVERED	
4. TITLE AND SUBTITLE <b>Final Phase I Environmental Baseline Survey for the Acquisition of a Utility Easement by Clark County from Nellis Air Force Base, Clark County, Nevada</b>		5a. CONTRACT NUMBER	
		5b. GRANT NUMBER	
		5c. PROGRAM ELEMENT NUMBER	
6. AUTHOR(S)		5d. PROJECT NUMBER	
		5e. TASK NUMBER	
		5f. WORK UNIT NUMBER	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) <b>Nellis Air Force Base</b>		8. PERFORMING ORGANIZATION REPORT NUMBER	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)		10. SPONSOR/MONITOR'S ACRONYM(S)	
		11. SPONSOR/MONITOR'S REPORT NUMBER(S)	
12. DISTRIBUTION/AVAILABILITY STATEMENT <b>Approved for public release, distribution unlimited.</b>			
13. SUPPLEMENTARY NOTES <b>The original document contains color images.</b>			
14. ABSTRACT			
15. SUBJECT TERMS			
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT
a. REPORT <b>unclassified</b>	b. ABSTRACT <b>unclassified</b>	c. THIS PAGE <b>unclassified</b>	<b>UU</b>
			18. NUMBER OF PAGES <b>508</b>
			19a. NAME OF RESPONSIBLE PERSON



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## EXECUTIVE SUMMARY

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This Phase I Environmental Baseline Survey report was prepared to support the proposed acquisition of a utility easement on approximately 1.63 acres of property (hereafter referred to as subject property) from Nellis Air Force Base (AFB) by Clark County, Nevada for installation of a sanitation line. The subject property in consideration is in the eastern portion of Area III, and is located at the intersection of North Sloan Lane and Las Vegas Boulevard near the northern boundary of Nellis AFB, Clark County, Nevada (see Appendix B, Figures 1 and 2).

This report was prepared and the site reconnaissance was conducted according to Air Force Instruction 32-7066: Environmental Baseline Surveys in Real Estate Transactions and the American Society for Testing and Materials Standard ASTM E1527-05, which define good commercial and customary practices in the United States for conducting an environmental site assessment of a parcel of commercial real estate with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation, and Liability Act (42 USC 9601) and petroleum products.

According to information gathered from document searches, interviews, and the site reconnaissance, Gulf South Research Corporation (GSRC) found evidence of contamination in connection with the subject property and adjacent properties; however, remediation and restoration actions are underway to remove the contamination. Nine Environmental Restoration Program (ERP) sites exist within 1 mile of the subject property. Six ERP sites, DP-09, LF-11, DP-25, SS-29, SS-30, and FT-19 have been closed with no further remedial action planned. Remediation is ongoing at two sites, ST-27 and SS-28, and closure of these sites is expected in 2010. *Recognized environmental conditions* exist on the subject property due to an ongoing restoration of a contaminated groundwater plume emanating off-site, and due to an ongoing assessment and restoration of a recent pipeline leak. Based on information gathered for this assessment, no further investigation or assessment for hazardous materials is recommended for the subject property.

The subject property is classified as Category 5 (Remedial or other action underway. Property is undergoing remedial action for known contamination.), according to Air force Policy Directive 32-7066.

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**SECTION 1.0**  
**PURPOSE FOR THE ENVIRONMENTAL BASELINE SURVEY**





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## **1.0 PURPOSE FOR THE ENVIRONMENTAL BASELINE SURVEY**

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The purpose of this Phase I Environmental Baseline Survey (EBS) is to (1) document the nature, magnitude, and extent of any environmental contamination of the subject property considered for the out-grant lease; (2) identify potential environmental contamination liabilities associated with the proposed transaction and establish environmental due diligence; (3) develop information to assess health and safety risks; (4) protect human health and the environment; (5) determine possible effects of contamination on property valuation; (6) provide notice of environmental condition when required under Section 120 [h] [1] of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980 as amended (42 USC 9620 [h] [1]) or any applicable state or real property disclosure requirements.

### **1.1 BOUNDARIES OF THE PROPERTY AND SURVEY AREA**

The boundaries of the subject property are as shown in Figure 2. The approximate description of the portion of Area III being considered for the sanitation line utility easement, which includes the subject property, is Township 20 South, Range 62 East (see Appendix B):

Section 3      NW ¼ of the NW ¼ of the NW ¼

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**SECTION 2.0**  
**SURVEY METHODOLOGY**





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## 2.0 SURVEY METHODOLOGY

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### 2.1 APPROACH AND RATIONALE

This report was produced in accordance with the following:

AFI 32-7066

“This instruction implements Air Force Policy Directive (AFPD) 32-70, Environmental Quality, by spelling out responsibilities and procedures for an Environmental Baseline Survey (EBS) in a real property transaction. This instruction also covers additional procedures for transactions involving unremediated real property and for the termination or expiration of temporary interests in real property.”

ASTM E1527-05

“The ASTM guideline defines good commercial and customary practices in the U.S. for conducting an environmental site assessment of a parcel of commercial real estate with respect to the range of contaminants within the scope of the CERCLA (42 USC 9601) and petroleum products. This practice is intended to permit a user to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability.”

Gulf South Research Corporation’s (GSRC) scope of services for this project include four major components: (1) Federal, state, and local environmental records review, including a review of historical and physical setting records; (2) a site reconnaissance to search for visible indications of contamination or potential contamination to the environmental or human health and safety; (3) interviews with key site personnel and local government officials; and (4) the preparation of this report.

The conditions disclosed by this investigation have been separated into the following categories of environmental conditions:

- *Recognized environmental condition* – A recognized environmental condition is defined in ASTM Practice E1527-05 as “the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws.”
- *Historical recognized environmental condition* – A historical recognized

environmental condition is defined in ASTM Practice E1527-05 as an “environmental condition which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently. The final decision rests with the environmental professional and will be influenced by the current impact of the historical recognized environmental condition on the property. If a past release of any hazardous substances or petroleum products has occurred in connection with the property and has been remediated, with such remediation accepted by the responsible regulatory agency (for example, as evidenced by the issuance of a no further action letter or equivalent), this condition shall be considered a historical recognized environmental condition.”

- *De minimis condition* – A *de minimis condition* is defined in ASTM Practice E1527-05 as conditions “that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.”

This EBS report categorizes the presence of hazardous substances or petroleum products or their derivatives for the subject property into the following:

Category 1 – No storage, release or disposal has occurred. Property where no hazardous substances or petroleum products or their derivatives were stored, released into the environment or structures, or disposed on the subject property and where no migration from adjacent areas has occurred.

Category 2 – Only storage has occurred. Property where hazardous or petroleum products or their derivatives were stored, but no release, disposal or migration from adjacent areas occurred.

Category 3 – Contamination below a level that requires any action. Property where contamination is present but falls below established action levels characterized pursuant to the Environmental Restoration Program (ERP) that is managed by the Restoration Program Manager (RPM) of the 99 CES/CEVR.

Category 4 – Remedial action required and taken. Property where contamination above action levels existed but all remedial actions necessary to protect human health and the environment have been taken to meet the provisions of CERCLA Section 120 (h) (3).

Category 5 – Remedial or other action underway. Property is undergoing remedial action for known contamination.

Category 6 – Required response action not implemented. Property contains known contamination and required remedial systems or other actions have not been selected or implemented.

Category 7 – Further evaluation required. Property has indications of existing contamination or the potential for a release of hazardous substances into the environment or structures, but not well characterized pursuant to the ERP.

### **2.1.1 Description of Documents Reviewed**

GSRC contracted Environmental Data Resources, Inc. (EDR) to search Federal and state environmental databases that track activities associated with hazardous waste and incidents that have resulted in major environmental impairment. These databases are prepared and maintained by various Federal and state environmental agencies, such as the U.S. Environmental Protection Agency (EPA) and the Nevada Division of Environmental Protection (NDEP). The minimum appropriate search distance was 1 mile from the subject property's boundary (Table 1). The EDR report showing all information pertaining to the database searches is presented in Appendix A.

GSRC also conducted searches on NDEP (2007) and EPA databases via the internet for information, such as Enforcement and Compliance History Online (ECHO) (EPA 2007a) and Envirofacts Warehouse (EPA 2007b). No additional environmental concerns within or in the vicinity of the subject property were identified in the Federal or state databases.

**Table 1. Summary of Database Information Received During Preparation of the EBS**

<b>Primary Federal Databases</b>	<b>Date of Database</b>	<b>Search Distance*</b>
National Priorities List (NPL)	July 2007	1.0 mile
Delisted NPL	April 2007	0.5 mile
Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)	April 2007	0.5 mile
CERCLIS No Further Remedial Action Planned (CERC-NFRAP)	June 2007	0.5 mile
Resource Conservation and Recovery Act (RCRA) Information-Transportation, Storage, and Disposal Facilities (RCRA-TSD); Large Quantity Generators (LQG) and Small Quantity Generators (SQG)	June 2006	Subject Property and Adjoining Properties
Emergency Response Notification System (ERNS)	December 2006	0.25 mile
Department of Defense Sites (DOD)	December 2005	Subject Property
Toxic Release Inventory (TRIS)	December 2005	0.25 mile
FIFRA/TSCA Tracking System (FTTS)	July 2007	1.0 mile
Integrated Compliance Information System (ICIS)	June 2007	1.0 mile
PCB Activity Database (PADS)	April 2007	1.0 mile
Facility Index System (FINDS)	July 2007	1.0 mile
<b>Primary State Databases</b>	<b>Date of Database</b>	<b>Search Distance*</b>
Corrective Action Case List (SHWS)	April 2007	1.0 mile
Solid Waste Facilities/Landfill Sites (SWF/LF)	December 2006	0.5 mile
Recycling Information Listing (SWRCY)	January 2007	1.0 mile
Leaking Underground Storage Tank Incident Reports (LUST)	April 2007	0.5 mile
Registered Underground Storage Tanks (UST)	July 2007	Subject Property and Adjoining Properties
Hazardous Materials Repository Information Data (TIER 2)	August 2007	1.0 mile

Source: EDR, Inc. 2007.

\*In accordance with ASTM E1527-05.

### **Primary Federal and State Databases**

Primary Federal databases reviewed by EDR, Inc. include:

- The National Priorities List (NPL) – This database includes EPA NPL sites that fall under the EPA’s Superfund program, established to fund the cleanup of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action.
- Delisted NPL – This database includes EPA final NPL sites where remedies have proven to be satisfactory or sites where the original analyses were inaccurate, and the site is no longer appropriate for inclusion on the NPL.
- Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) – This database contains an extract of sites that have been or are in the process of being investigated for potential environmental risk.

- CERCLIS No Further Remedial Action Planned (CERCLIS-NFRAP) – This database includes sites, which have been determined by the EPA following preliminary assessment, that no longer pose a significant risk or require further activity under CERCLA.
- Resource Conservation and Recovery Act Information (RCRA) – This database includes handlers, generators, transporters, violations, corrective actions, and treatment, storage and disposal facilities of hazardous wastes.
- Department of Defense (DOD) Sites – This database contains a list of DOD sites located within the subject property.
- Emergency Response Notification System (ERNS) – This database contains data on reported releases of oil and hazardous substances.
- FIFRA/TSCA Tracking System (FTTS) – Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA)/Toxic Substances Control Act (TSCA) and Emergency Planning and Community Right-to-Know Act (EPCRA) tracking system regarding pesticide enforcement actions, compliance activities related to FIFRA, and activities related to EPCRA over the previous five years.
- Integrated Compliance Information System (ICIS) – This database supports the needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.
- PCB Activity Database (PADS) – This database identifies generators, transporters, commercial storers and/or brokers and disposers of polychlorinated biphenyls (PCBs) who are required to notify the EPA of such activities.
- Facility Index System (FINDS) – This database contains both facility information and ‘pointers’ to other sources that contain more detail.

Primary state databases reviewed by EDR include:

- Corrective Action Case List (SHWS) – This is a listing of corrective action sites.
- Landfill List (SWF/LF) – This is a list of solid waste facilities/landfill sites.
- Recycling Information Listing (SWRCY) – This is a listing of registered waste tire collection sites.
- Leaking Underground Storage Tank Incident Reports (LUST) – This is an inventory of reported leaking underground storage tank incidents.
- Underground Storage Tank List (UST) – This is a list of registered USTs in the State of Nevada.
- Hazardous Materials Repository Information Data (TIER 2) – This is a list of EPCRA required facilities which store or manufacture hazardous materials.

Thirteen databases were recognized during the search conducted by EDR. Note that many of the facilities/sites listed in the EDR report were listed in multiple databases. The EDR report indicates that there are 17 sites/facilities recorded from the database search within the search

radii that may have or have generated, stored, treated, and/or disposed of solid or hazardous waste within or near the subject property (Table 2).

All information listed in Table 2 was derived directly from the EDR report. Facilities/sites listed in the EDR report that were greater in distance to the subject property than the distance of the search radii promulgated in the ASTM guidelines were not included in Table 2 and were not considered to be a threat to the subject property.

**Table 2. List of Facilities from EDR Report**

Facility Name/ Address	Distance/Direction From Subject Property	Database	Comments	Potential Threat to Subject Property?
Nellis AFB Nellis AFB, NV	Subject Property	DOD	Generic listing for Nellis AFB as a DOD property	No.
Haycock Petroleum Spill 4825 North Sloan Lane Las Vegas, NV 89115	0.02 mile/W	SHWS, TIER 2	Approximately 100 gallons of diesel was released from a mobile source on 8/7/2003. additional spills were reported on 12/14/2004, 1/31/2006, 9/12/2006, 1/26/2006, and 1/14/2006 in the same amount.  This facility has been reported to store 40,000 pounds (lbs) of cleaning solvent, 40,000 lbs of kerosene, 127,500 lbs of propane, and 60,000 lbs of antifreeze.	No. All spills were cleaned up and the cases were closed. No violations exist for this facility.
Nellis Texaco Service 4800 N Las Vegas Blvd. Las Vegas, NV	0.05 mile/E	EDR Proprietary Records	EDR Proprietary Records reveal that in 1970 there was a fuel station located at this address.	No, there is no other record of ASTs or USTs at this address and no violations exist for this facility.
Drive A Junk 4465 N Las Vegas Blvd. Las Vegas, NV 89115	0.08 mile/SSW	RCRA- SQG, FINDS	This facility is listed as a small quantity generator.	No, No violations exist for this facility.
River City Petroleum 4915 Sloan Road Las Vegas, NV 89115	0.09 mile/NNE	UST	This facility currently has a 12,000-gallon and 6,000-gallon diesel tank, and a 6,000-gallon gasoline tank.	No. No violations exist for this facility.
Fredericksen Tank Lines, Inc. 4915 North Sloan Lane Las Vegas, NV 89115	0.10 mile/NNW	SHWS, LUST	A gasoline release on concrete was reported on 9/17/1998, but was closed on 9/23/1998.  A LUST was reported on 10/13/2003 at this facility that affected soils, but the case was closed on 11/10/2004.	No. All reportable releases have been remediated and the cases closed.
7-Eleven #18198 4395 N. Las Vegas Blvd. Las Vegas, NV 89115	0.15 mile/SW	SHWS, UST	A gasoline spill into the soil was reported on 10/25/2000.  This facility also contains three 10,000-gallon gasoline tanks currently in use.	No. The spill was cleaned up and the case was closed on 2/15/2002.
Chevron Las Vegas Terminal #1001744 4950 North Sloan Lane Las Vegas, NV 89115	0.15 mile/N	UST	This facility contains two tanks that are permanently out of use – a 500-gallon used oil tank and a 5,000-gallon new oil tank. One 10,000-gallon diesel tank is currently in use.  A spill from an underground pipeline of 27 gallons of gasoline additive (techrolene) to the soil was reported on 4/19/1994. The facility removed and cleaned the affected soil.	No. No existing violations were found for this facility.

Table 2, continued

Facility Name/ Address	Distance/Direction From Subject Property	Database	Comments	Potential Threat to Subject Property?
Immersion Dry Cleaners 4350 Las Vegas Las Vegas, NV 89115	0.21 mile/SW	RCRA- SQG, FINDS	This facility is listed as a small quantity generator.	No. No violations exist for this facility.
Rebel Oil Co. Inc. 5054 North Sloan Lane Las Vegas, NV 89115	0.27 mile/N	SHWS	This facility reported a release of an unknown substance and amount to the soil and groundwater on 1/22/2004. Two other releases of an unknown substance and amount to the soil were reported on 5/17/2002 and 3/13/2007.  This facility is also listed as a SQG with no violations.  Approximately 21 tons of unspecified organic liquid mixture has been recycled at this facility.  This facility has also stored more than 14 million lbs of gasoline, 6 million lbs of diesel, and 420,000 lbs of alcohol.	Yes. Facility has had releases in the past and stores a large quantity of petroleum liquids that could pose a threat to the subject property.
CAL NEV Pipeline Company/ Texaco 5056 North Sloan Avenue Las Vegas, NV 89115	0.28 mile/N	SHWS, LUST	This facility reported a release of an unspecified substance on an unknown date, but was closed on 11/6/1991.  Another release of an unspecified substance on an unknown date was reported, but was closed on 3/14/1993.  A release to soil and groundwater from a LUST was reported on 2/5/1997, but a closure date was not reported.	Yes. The facility reported a release of petroleum liquids to soil and groundwater that is currently active, and the facility is located up-gradient from the subject property.
Nevada Recycling, Inc. 5000 Range Road Las Vegas, NV 89115	0.33 mile/WNW	SHWS	Two releases of total petroleum hydrocarbons (TPH) occurred on 1/15/1997 and 6/3/1999, respectively. The first released was closed on 8/4/1997, but no date of closure was provided for the second spill.	No. Due to the distance from the subject property and type of substances contained, this facility is not likely to pose a threat to the subject property.
Las Vegas Fuel Terminal 5049 North Sloan Lane Las Vegas, NV 89115	0.39 mile/NNW	SHWS	This facility reported six releases of 150 gallons of gasoline and water on different dates between 1992 and 2002. In five cases, the spills were cleaned up and the case closed. The release reported on 2/07/2002 is still an active case.	No. Due to the distance from the subject property and amount of release, this facility is not likely to pose a threat to the subject property.
Roylance Company 5300 North Sloan Lane Las Vegas, NV	0.59 mile/N	SHWS	This facility reported a release of used motor oil to the soil on 2/28/2005.	No. The spill was remediated and the case closed.

Table 2, continued

Facility Name/ Address	Distance/Direction From Subject Property	Database	Comments	Potential Threat to Subject Property?
Sprint Central Telephone 4243 N. Las Vegas Blvd. Las Vegas, NV 89115	0.59 mile/SW	SHWS	A release of an unknown material was reported on an unspecified date at this facility.	No. The release was cleaned up and the case was closed on 12/14/1995.
Casino Ready Mix Mobile Source 5355 Beesley Drive Las Vegas, NV 89115	0.71 mile/NNE	SHWS	This facility reported a release of diesel to the soil on 9/10/2004.	No. The diesel spill was cleaned up and remediated.
Former Motor Automotive, APN 140-04-201-012 4465 N. Las Vegas Blvd. Las Vegas, NV 89115	0.74 mile/SW	SHWS	This facility reported a release of motor oil to the soil on 8/29/2006.	No. The case was closed on 11/20/2006

Source: EDR 2007

### 2.1.2 Historical Maps/Aerial Photographs

A search was made by EDR and GSRC for historical aerial photographs and historical quadrangle maps available for the subject property. Historical topographic quadrangle maps of the subject property were only available for 1952, 1967, 1973, and 1984. A historical topographic quadrangle map of the adjacent property to the north was available for 1974. Historic aerial photographs obtained by EDR and from Nellis AFB were available for the years 1943, 1951, 1958, 1960, 1969, 1973, 1984, 1986, 1990, 1994, 2004, 2005 and 2006. The latest aerial photograph (2006) was obtained from GoogleEarth (DigitalGlobe). Historical aerial photographs typically show any development or habitat changes over the years. The historical topographic quadrangles and aerial photographs reviewed by GSRC are listed in Table 3 and can be found in Appendix C.

**Table 3. Historical Topographic Quadrangles/Aerial Photographs Reviewed**

DATE	QUADRANGLE/PHOTOGRAPH NAME	SCALE
1943	Nellis AFB Aerial Photograph	1:8,000
1951	Nellis AFB Aerial Photograph	1:8,000
1952	Las Vegas/Glass Peak Quadrangle	1:24,000
1958	Nellis AFB Aerial Photograph	1:8,000
1960	Pacific Air Aerial Photograph	1:5,000
1967	Las Vegas NE 7.5-minute Quadrangle	1:24,000
1969	Nellis AFB Aerial Photograph	1:8,000
1973	Las Vegas NE 7.5-minute Quadrangle	1:24,000
1973	Cartwright Aerial Photography	1:5,000
1974	Valley USGS 7.5-minute Quadrangle	1:24,000
1984	Nellis AFB Aerial Photography	1:8,000
1984	Las Vegas NE 7.5-minute Quadrangle	1:24,000
1986	CH2M Hill Aerial Photography	1:8,000
1990	USGS Aerial Photography	1:8,000
1994	USGS Aerial Photography	1:8,000
2004	Nellis AFB Aerial Photography	1:1,600
2005	Nellis AFB Aerial Photography	1:1,600
2006	DigitalGlobe Aerial Photography	1:8,000

Source: Cartwright, CH2M Hill, DigitalGlobe, Pacific Air, U.S. Geological Survey, Nellis AFB

### 2.1.3 Environmental Baseline Surveys

A previous Phase I EBS was completed for the “Leasing of Nellis AFB Land for the Construction and Operation of a Solar Photovoltaic System, Clark County, Nevada” in 2006 (Nellis AFB 2006c). The property assessed for that EBS is located approximately 3,500 feet northwest of the subject property of this EBS. Many of the same issues and contamination sites were

addressed in that EBS, and those discussions and assessments are incorporated into this EBS wherever possible.

#### **2.1.4 Nellis AFB Environmental Restoration Program (ERP) Site Summaries**

A review of the Nellis AFB Environmental Restoration Program Site Summaries (Nellis AFB 2006a) found eight sites listed within the search radius of the subject property. The acreage of each site was estimated, where possible, from the site maps in the summary document.

##### ***ERP DP-09***

This site is located 1,600 feet west of the subject property. It was a burial pit used for disposal of crushed containers, and was closed with no further restoration activity planned (NFRAP).

##### ***ERP LF-11***

This site is located approximately 4,250 feet east of the subject property. It was a surface site used in the late 1950s for disposal of demolition debris, and was closed with NFRAP.

##### ***ERP DP-25***

This 2-acre site is located approximately 1,400 feet east of the subject property. It was used for disposal of petroleum, oils, and lubricants (POL) wastes in the mid-1960s. Migration of contaminants is not considered likely, and the site was closed with NFRAP.

##### ***ERP ST-27***

This site is located approximately 650 feet west of the subject property, and the estimated 25-acre contamination plume extends under the subject property (see Appendix B, Figure 3). The contamination is the result of long-term leaks of POL and JP-4 fuel from storage tanks. A pump and treat system is in place to remediate soils and groundwater in the area, and closure of the site is expected by 2010. The monitoring wells observed adjacent to the subject property (Appendix C, Photograph 8) are related to this ERP site.

##### ***ERP SS-28***

This site is located approximately 2,000 feet southeast of the subject property. The contamination is the result of two JP-4 fuel spills between 1967 and 1982. Remediation is underway at the site, and closure is expected by 2010. The estimated 220-acre contamination plume does not extend to the subject property (see Appendix B, Figure 3).

**ERP SS-29**

This site is located approximately 3,400 feet east of the subject property. It is the site of a 25,000-gallon JP-4 fuel surface spill on the runway apron in 1954, and the site has been closed with NFRAP.

**ERP SS-30**

This site is located approximately 1,200 feet southeast of the subject property. It is the site of a small UST gasoline spill in 1980, and the site has been closed with NFRAP.

**ERP SS-46**

This site is located approximately 1,000 feet east of the subject property. It consists of an estimated 110-acre soil and groundwater plume of tri-chloroethylene (TCE). Remediation is ongoing, and closure is expected by 2010. The contamination plume does not extend to the subject property (see Appendix B, Figure 3).

**ERP FT-19**

This estimated 5-acre site is located approximately 3,800 feet southeast of the subject property. It is a former fire training area, and the site has been closed with NFRAP.

Of all the ERP sites listed above, only ERP ST-27 would be considered an environmental risk to the subject property due to the existing contamination plume extending under the subject property.

**2.1.5 Facility Response Plan**

The *Final Draft, Nellis Air Force Base 19-1, Facility Response Plan* (Nellis AFB 2006b) and spill report file was reviewed to determine if spills of reportable quantities have occurred within Area III in the past 5 years. Nellis AFB is required to keep track of all reportable quantity spills for a period of 5 years and institute a facility response plan based on the occurrences of those spills. A reportable quantity, as per Nevada state regulations, is the release of 25 gallons or more of petroleum products such as gasoline, diesel, and hydraulic fluid or the impact of 3 cubic yards (yds<sup>3</sup>) or more of soil by a hazardous material (NDEP 2007). According to information from the facility response plan, no reportable spills have occurred within the subject property.

### **2.1.6 Pipeline Investigation and Repair Report, Nellis AFB**

Michael Baker, Inc. conducted an investigation and repair of a pipeline leak discovered by Praxair through monitoring of indicator probes along the JP-8 fuel pipeline, owned by Nellis AFB, running under the subject property. Excavation of the leaking section of pipeline revealed a small hole in the pipeline caused by contact with another pipe containing a fiber optic cable. A 43-inch section of the fuel pipeline was replaced, and the cable pipe was removed from contact with the pipeline. 30.5 yds<sup>3</sup> of contaminated soil were removed and disposed of off site. The excavation was backfilled with uncontaminated soil remaining on site and clean sand fill from off site (Baker 2007).

The pipeline investigation and repair report was submitted to the NDEP Case Actions Officer in mid-November 2007. Nellis AFB is currently awaiting response for required remedial actions. The NDEP, Bureau of Corrective Actions Spill Number for this site is 070724-03. The site is classified as an active site with remediation or other actions underway for known contamination.

### **2.1.7 Tract Register of Acquisition**

The subject property is listed with the Clark County Assessor (CCA) as Parcel No. 140-03-101-001, and no deed or title documents were available on the CCA website (CCA 2008). The subject property is indicated as containing approximately 1.63 acres. The subject property is located outside of the fenced security area of Nellis AFB, and no details regarding prior ownership documents were available.

### **2.1.8 Property Inspections**

A site reconnaissance was conducted on August 21, 2006 by Mr. Greg Lacy and Mr. Stephen Oivanki. The focus of the effort was to investigate the subject property for visual evidence of any adverse impacts due to potential hazardous or toxic substances, or the presence of potential sources for impacts, such as drums, petroleum products and leaking USTs. The approximately 1.63-acre subject property was accessible by vehicle and by foot. There were no access obstructions to any portions of the property.

A complete walk-through of the subject property revealed a liquid fuels pipeline leak repair in progress near the corner of North Sloan Lane and Las Vegas Boulevard. A pit had been excavated to repair the pipeline leak (Appendix C, Photograph 1), and work was underway at the time of the site visit. The pipeline under repair transported JP-8 jet fuel from the storage

terminal east of the subject property across Las Vegas Boulevard (Appendix C, Photograph 10) to the distribution point on Nellis AFB south of Las Vegas Boulevard. A total of 23.48 tons of contaminated soil was removed and stored on site for approximately 12 days (Appendix C, Photograph 2). The soil was then loaded into USAF trucks and hauled for incineration to Las Vegas Paving Corporation Hydrocarbon Plant (Baker, 2007).

JP-8 pipeline soil vapor leak detection probes, spaced 20 feet apart, were visible along North Sloan Lane (Appendix C, Photograph 9). Other monitoring wells were observed along the north boundary of the subject property (Appendix C, Photograph 8). These wells are part of the monitoring and remediation program under way for ERP Site ST-27 and the contamination plume that extends under the subject property. Several pipeline location signs were observed around the subject property (Appendix C, Photograph 6), indicating other pipelines crossing under the area.

There are no structures on the subject property. The entire subject property consists of cleared and disturbed ground bounded by Las Vegas Boulevard and North Sloan Lane with little vegetation. Numerous vehicles and excavation equipment were parked on the site at the time of the visit as part of the pipeline repair excavation activities. The northern boundary of the subject property was not marked in the field, and the boundary location was inferred from the location of ditches and monitoring wells observed on the property.

No surface indications of stained soil were observed to indicate spills or leaks of hazardous materials or petroleum products on the subject property. A strong odor of diesel/kerosene fuel was present near the leaking pipeline excavation. A summary of the contractor's report on the pipeline repair activities can be found in Section 2.1.6.

### **2.1.9 Personal Interviews**

The key personnel contacted are listed below and summaries of their interviews are presented in Appendix E.

#### Mr. D.J. Haarklau, 99 CES/CEVC, Environmental POLs Program Manager

Mr. Haarklau, who has been the POLs Program manager for 10 years, provided GSRC with information pertaining to reportable quantity spills that have occurred in the subject property area over the past 5 years. He also provided information about the current excavation and soil

remediation underway for a pipeline leak on the subject property. According to a records search, reportable spills have occurred within or in the vicinity of the subject property. He stated that the pipeline leak has been repaired, and that further characterization of the site for remedial action will be completed later in 2008.

Mr. Mark Porterfield, 99 CES/CEVP, Hazardous Waste Program Manager

Mr. Porterfield, who has been the Hazardous Waste Program Manager for 3 years, was interviewed regarding any known hazardous waste or other unknown materials present on the subject property. He stated that he had no record of any hazardous waste on or in the vicinity of the subject property.

Mr. John Roe, 99 CES/CEVC, Water Quality Program Manager

Mr. Roe, who has been the Water Quality Program Manager for 10 years, was interviewed regarding his knowledge of wastewater management on or in the vicinity of the subject property. He stated that, since the property is undeveloped and is located outside the base perimeter fence, there are no wastewater issues in the area.

TSgt. Norman W. Harp, 99 CES/CEF, NCOIC, Fire Department Communications Center

TSgt. Harp, who has been with the fire department for 15 months, searched the digital incident report files, and told GSRC that there have been no incidents or spills within or near the subject property. The area would be under the jurisdiction of the Clark County Fire Department, but his office would be notified if anything serious occurred there due to the proximity to the base and fuel storage area.

MSgt Charles Waiters, 99 CES/CED, EOD Flight Superintendent

MSgt. Waiters, who has been with EOD Flight for 11 years, researched the files of past ordnance disposal sites on the base, and stated that there are records of old ordnance disposal sites located north of the subject property.

### **2.1.10 Sampling**

No air, soil, or water samples were taken within the subject property as part of this Phase I EBS.

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***SECTION 3.0***  
***FINDINGS FOR SUBJECT PROPERTY***

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## **3.0 FINDINGS FOR SUBJECT PROPERTY**

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### **3.1 HISTORY AND CURRENT USE**

The documents reviewed by GSRC to determine historical land uses and potential environmental conditions associated with those uses regarding the subject property and surrounding areas are described in the sections below.

#### **3.1.1 Historic Topographic Quadrangles and Aerial Photographs**

The 1943 aerial photograph showed the subject property to be undeveloped, as did the 1951 aerial photograph. The 1952 topographic map also showed the subject property to be undeveloped. Nellis AFB was visible to the south, and an ammunition bunker complex was identified approximately 4,000 feet northwest of the subject property. The 1958 aerial photograph showed the Nellis AFB jet fuel storage tanks in place west of the subject property, but North Sloan Lane had not been constructed. The 1960 aerial photograph indicated the same conditions shown in the 1958 aerial photograph.

The 1967 topographic map showed the same configuration and development of the subject property as the 1952 topographic map, with the exception of the CAL NEV Pipeline Company tanks and facility located approximately 0.25 mile north of the subject property. Sloan Lane had been constructed to the CAL NEV facility. The 1969 aerial photograph also showed Sloan Lane constructed north to the CAL NEV Pipeline Company tank farm. The 1973 topographic map showed no change from the 1967 topographic map in the vicinity of the subject property. In the 1973 aerial photograph, a paved lot with a structure was located approximately 200 feet northwest of the subject property, the site of the current trucking facility. The 1984 topographic map showed no change from the 1967 topographic map in the vicinity of the subject property, and the 1984 aerial photograph showed little change from the 1973 aerial photograph.

The 1986 aerial photograph indicated a mobile home park located approximately 3,000 feet northwest of the subject property. The 1990 aerial photograph showed no change from 1986. The 1994 aerial photograph showed no change adjacent to the subject property from 1990. New development of additional office spaces and parking approximately 1,000 feet west of the subject property was indicated. The 2004 aerial photograph showed all adjacent properties developed as they are currently. North Sloan Lane was completed past the CAL NEV facility.

The 2005 aerial photograph showed no change from 2004. The only change from 2005 indicated in the 2006 aerial photograph was the addition of the security station and entrance facility for Nellis AFB on Range Road on adjacent property to the west.

None of the historical maps or aerial photographs showed any development of the subject property.

### **3.1.2 City Directories Search**

A search of available city directories was conducted by EDR to determine past uses of the subject property and adjacent properties on surrounding streets. The subject property was not listed in any city directories searched from 1936 to 2004. Other addresses listed for North Las Vegas Boulevard from 1961 through 2004 consisted of churches, small businesses, and mobile home park residents. In 2004, the Hill Donnelly City Publishers directory listed several petroleum and service companies on North Sloan Lane, and these businesses are the same as those identified during the site visit to the subject property.

### **3.1.3 Sanborn Insurance Map Search**

No Sanborn map coverage was available for the area of the subject property.

## **3.2 ENVIRONMENTAL SETTING**

The subject property is located in the Las Vegas Valley, which is one of the driest and warmest areas in the nation. The climate consists of hot summers, cool winters, and a wide fluctuation in annual rainfall. Temperatures through a year can range from average daily maximums in July of 104 degrees Fahrenheit (°F) to average daily minimums in January of 33 °F. The temperature at the time of the site visit was 113 °F.

Storm water in the area is lost through runoff, percolation and evaporation. Within the subject property, most storm water is lost through runoff into adjacent ditches. The groundwater within the subject property is recharged by precipitation from the surrounding mountain ranges. On Nellis AFB, multiple shallow, semi-confined aquifers occur at depths from 75 to 120 feet below ground surface (bgs) (Nellis AFB 2006c). Numerous public and private water supply wells are located within 1 mile of the subject property, most owned and operated by Nellis AFB. The wells generally produce potable water from depths ranging from 600 feet to 1,500 feet bgs.

Monitoring wells associated with groundwater contamination plumes in the area were also noted, with sampling depths of about 100 feet bgs (EDR 2007).

Surface soils within the subject property no longer correspond to mapped units due to the fill and ground disturbance on site. Subsurface soils are Las Vegas gravely fine sandy loam. Overall topography within the area slopes downward to the south and southeast. The average elevation of the subject property is approximately 1,896 feet above mean sea level.

There was little vegetation within the subject property, only scattered bunch-type grasses, and no wildlife was encountered during the site reconnaissance.

### **3.3 HAZARDOUS SUBSTANCES**

Hazardous substances are defined as any product or waste material or petroleum product present in sufficient quantity to require reporting under RCRA.

#### **3.3.1 Hazardous Materials and Petroleum Products**

According to record searches, interviews, and a site reconnaissance, evidence of hazardous substances in the form of petroleum products released to soils was observed within the subject property around the pipeline leak being repaired at the time of the site visit. The pipeline under repair is located under the subject property, and soil vapor leak detection probes are in place to detect any leaks in the pipeline. The pipeline, which transports JP-8 jet fuel, is owned and operated by Nellis AFB, and would be considered a *recognized environmental condition* for the subject property. Until the pipeline leak is fully remediated, it also constitutes an environmental risk to the subject property.

According to Nellis AFB records, a contamination plume of POL-contaminated groundwater exists under the subject property related to ERP Site ST-27, described above in Section 2.1.4. Remediation and monitoring are underway for this site, and this plume would constitute a *recognized environmental condition* for the subject property with an associated environmental risk to the subject property.

### **3.3.2 Hazardous and Petroleum Waste**

According to record searches, interviews, and a site reconnaissance, no evidence of hazardous waste or petroleum waste was found within the subject property.

## **3.4 ENVIRONMENTAL RESTORATION PROGRAM SITES**

Nine ERP sites exist within 1 mile of the subject property. ERP sites DP-09, LF-11, DP-25, SS-29, SS-30, and FT-19 are located east, west and southeast of the subject property, and have been closed with NFRAP. Remediation is ongoing at two sites, ST-27 and SS-28, and they are expected to be closed in 2010. These sites are west and southeast of the subject property (see Section 2.1.4).

## **3.5 STORAGE TANKS**

### **3.5.1 Aboveground Storage Tanks**

According to record searches, interviews, and a site reconnaissance, no aboveground storage tanks are within the subject property.

### **3.5.2 Underground Storage Tanks**

According to interviews, document searches, and a site reconnaissance, no USTs are within the subject property.

### **3.5.3 Pipelines, Hydrant Fueling, and Transfer Systems**

According to interviews, document searches, and a site reconnaissance, there are several pipelines crossing under or adjacent to the subject property that transport petroleum products. The pipeline currently under repair is a JP-8 jet fuel pipeline owned by Nellis AFB.

## **3.6 OIL WATER SEPARATORS**

According to record searches, interviews, and a site reconnaissance, no oil water separators are present within the subject property.

### **3.7 PESTICIDES**

No visual evidence of the past use or storage of pesticides was observed within the subject property.

### **3.8 MEDICAL BIOHAZARDOUS WASTE**

According to record searches, interviews, and a site reconnaissance, no evidence of medical bio-hazardous waste was found within the subject property.

### **3.9 ORDNANCE**

According to record searches, interviews, and a site reconnaissance, no evidence of ordnance storage or disposal was found within the subject property. Nellis AFB records do indicate ordnance disposal sites located to the north of the subject property

### **3.10 RADIOACTIVE WASTES**

According to interviews, document searches, and visual observations, no evidence of storage or disposal of radioactive waste was found within the subject property.

### **3.11 SOLID WASTE**

No solid waste was observed within the subject property.

### **3.12 GROUND WATER**

The estimated depth to groundwater in the vicinity of the subject property is estimated to be approximately 78 feet bgs, as indicated in monitoring wells near the property, and flow is generally to the east (Baker 2007). Groundwater under the subject property is contaminated with POL, and remediation of the contamination is underway.

### **3.13 WASTEWATER TREATMENT, COLLECTION AND DISCHARGE**

There was no historical or current evidence suggesting wastewater treatment, collection, or discharge occurred within the subject property.

### **3.14 DISCLOSURE ITEMS**

#### **3.14.1 Drinking Water Quality**

Drinking water is not obtained from the subject property, nor has there been any evidence of public water wells found on or adjacent to the subject property.

#### **3.14.2 Asbestos**

There are no structures located on the subject property that would contain asbestos.

#### **3.14.3 Polychlorinated Biphenyls (PCBs)**

No transformers or other equipment that would contain PCBs were observed within the subject property.

#### **3.14.4 Radon**

There are no buildings located on the subject property. Therefore, radon would not be present.

#### **3.14.5 Lead-Based Paint**

There are no structures located on the subject property. Therefore, lead-based paint would not be present.

***SECTION 4.0***  
***FINDINGS FOR ADJACENT PROPERTIES***

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## **4.0 FINDINGS FOR ADJACENT PROPERTIES**

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### **4.1 LAND USES**

The property to the south, southeast, west and southwest of the subject property is owned by Nellis AFB. Properties to the north, east, northwest and northeast are in Clark County, are commercial in nature, and are owned by various private entities.

Adjacent property to the northwest is occupied by a commercial trucking company, and numerous large trucks and trailers were observed, including petroleum transport trailers. Fuel tanks to support the trucking business are assumed to be present.

The nearest occupied property adjacent to the north is a fuel storage tank farm and transfer station located approximately 1,500 feet to the north on the east side of North Sloan Lane.

The JP-8 fuel storage tank farm for Nellis AFB is situated to the west, across North Sloan Lane, and fuel from that tank farm is transported under the subject property by pipeline to the base hydrants located to the south, across Las Vegas Boulevard.

Property to the east of the subject property, north of Las Vegas Boulevard, is vacant.

*Recognized environmental conditions* were found on adjacent properties to the south, west and northwest in the form of petroleum storage and transfer facilities.

### **4.2 SURVEYED PROPERTIES**

All of the properties adjacent to the subject property were visually inspected for hazardous materials/waste and petroleum products, but the inspection was limited to what could be seen from the boundaries of the subject property. No visual evidence of contamination or other environmental concerns was observed on adjacent properties. Monitoring wells, associated with a groundwater contamination plume, were observed directly adjacent on property to the north.

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**SECTION 5.0**  
**APPLICABLE REGULATORY COMPLIANCE ISSUES**





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## **5.0 APPLICABLE REGULATORY COMPLIANCE ISSUES**

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### **5.1 LIST OF COMPLIANCE ISSUES**

The leaking pipeline under repair on the subject property is subject to future compliance for restoration of the site by NDEP. The NDEP Bureau of Corrective Actions Spill Number for this site is 070724-03.

### **5.2 DESCRIPTION OF CORRECTIVE ACTIONS**

A risk-based assessment will be required to close the spill site with NDEP. Nellis AFB is currently coordinating with NDEP to determine final characterization requirements. Corrective action is ongoing to remediate the POL-contaminated groundwater plume under the subject property as a result of leaking POL storage tanks to the northwest of the subject property.

### **5.3 ESTIMATES OF VARIOUS ALTERNATIVES**

No other alternative was considered under the Phase I EBS.

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**SECTION 6.0**  
**CONCLUSIONS**





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## **6.0 CONCLUSIONS**

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### **6.1 FACILITY MATRIX**

No new facilities would be involved with the proposed property transaction on the subject property.

### **6.2 PROPERTY CATEGORIES MAP**

The subject property would be classified as Category 5 due to the recent pipeline leak and repairs and the ongoing remediation of POL-contaminated groundwater from ERP Site ST-27. Due to the small size of the subject property, a property categories map is not necessary.

### **6.3 RESOURCES MAP**

Since no critical resources are located on the subject property, no resource maps are attached.

### **6.4 DATA GAPS**

The only data gap was the lack of appropriate historical documents back to 1940, particularly to the availability of appropriate 7.5-minute historic topographic quadrangles. Historical quadrangles were available for 1952, 1967, 1973, 1974 and 1984, but the topographic map from 1952 was at a greater scale than that recommended as a standard by ASTM. However, sufficient and credible information was obtained from historic aerials to make an accurate determination of the historical uses of the subject property and surrounding areas.

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**SECTION 7.0**  
**RECOMMENDATIONS**





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## **7.0 RECOMMENDATIONS**

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Based on interviews, document searches, environmental database reviews, and a site reconnaissance, there is evidence that hazardous materials or petroleum products have been released on the subject property. Based on the repair of the leaking pipeline and recognition of corrective action requirements, and the ongoing corrective action addressing the POL-contaminated groundwater plume under the subject property, GSRC recommends that no further environmental studies be conducted for the subject property.

If excavation for installation of the proposed wastewater pipeline occurs prior to restoration of the leaking pipeline site, then care should be taken to avoid exposure to hazardous and possibly flammable contamination in the soil on the subject property. Care should also be taken to avoid the numerous underground pipelines identified as present under the subject property during any excavation and pipeline installation activities.

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***SECTION 8.0***  
***CERTIFICATIONS***





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**8.0 CERTIFICATIONS**

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The opinions and conclusions set forth in this report, either expressed or implied, are based solely upon the work and information described herein. No water or air sampling and analysis were conducted for the subject site; therefore, no statement can be made as to their actual quality. Comments regarding the site reconnaissance and records research results are limited strictly to field observations and the actual records that were reviewed by GSRC. No warranty or guarantee is made or intended. Should any higher level of confidence be desired, physical sampling and laboratory analysis (Phase II of an EBS) would be necessary.

I declare that, to the best of my professional knowledge and belief, I meet the definition of an environmental professional as defined in §312.10 of 40 CFR 312, and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed all of the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Stephen Oivanki  
Project Manager  
GSRC

Signature   
Date February 6, 2008

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*APPENDIX A*  
*EDR DATABASE SEARCH REPORT*







**EDR**® Environmental  
Data Resources Inc

## **The EDR Radius Map with GeoCheck®**

**Nellis Pipeline Easement  
N. Sloan Lane  
Nellis AFB, NV 89115**

**Inquiry Number: 2046783.2s**

**October 05, 2007**

## **The Standard in Environmental Risk Information**

440 Wheelers Farms Road  
Milford, Connecticut 06461

### **Nationwide Customer Service**

Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
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***Thank you for your business.***  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

N. SLOAN LANE  
NELLIS AFB, NV 89115

#### COORDINATES

Latitude (North): 36.247900 - 36° 14' 52.4"  
Longitude (West): 115.042700 - 115° 2' 33.7"  
Universal Transverse Mercator: Zone 11  
UTM X (Meters): 675867.6  
UTM Y (Meters): 4013020.2  
Elevation: 1896 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 36115-B1 LAS VEGAS NE, NV  
Most Recent Revision: 1984  
  
North Map: 36115-C1 VALLEY, NV  
Most Recent Revision: 1984

### TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

### DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

### FEDERAL RECORDS

**NPL**..... National Priority List  
**Proposed NPL**..... Proposed National Priority List Sites  
**Delisted NPL**..... National Priority List Deletions  
**NPL LIENS**..... Federal Superfund Liens  
**CERCLIS**..... Comprehensive Environmental Response, Compensation, and Liability Information System  
**CERC-NFRAP**..... CERCLIS No Further Remedial Action Planned  
**CORRACTS**..... Corrective Action Report

## EXECUTIVE SUMMARY

<b>RCRA-TSDF</b>	Resource Conservation and Recovery Act Information
<b>RCRA-LQG</b>	Resource Conservation and Recovery Act Information
<b>ERNS</b>	Emergency Response Notification System
<b>HMIRS</b>	Hazardous Materials Information Reporting System
<b>US ENG CONTROLS</b>	Engineering Controls Sites List
<b>US INST CONTROL</b>	Sites with Institutional Controls
<b>FUDS</b>	Formerly Used Defense Sites
<b>US BROWNFIELDS</b>	A Listing of Brownfields Sites
<b>CONSENT</b>	Superfund (CERCLA) Consent Decrees
<b>ROD</b>	Records Of Decision
<b>UMTRA</b>	Uranium Mill Tailings Sites
<b>ODI</b>	Open Dump Inventory
<b>TRIS</b>	Toxic Chemical Release Inventory System
<b>TSCA</b>	Toxic Substances Control Act
<b>FTTS</b>	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
<b>SSTS</b>	Section 7 Tracking Systems
<b>LUCIS</b>	Land Use Control Information System
<b>DOT OPS</b>	Incident and Accident Data
<b>ICIS</b>	Integrated Compliance Information System
<b>HIST FTTS</b>	FIFRA/TSCA Tracking System Administrative Case Listing
<b>US CDL</b>	Clandestine Drug Labs
<b>RADINFO</b>	Radiation Information Database
<b>LIENS 2</b>	CERCLA Lien Information
<b>PADS</b>	PCB Activity Database System
<b>MLTS</b>	Material Licensing Tracking System
<b>MINES</b>	Mines Master Index File
<b>FINDS</b>	Facility Index System/Facility Registry System
<b>RAATS</b>	RCRA Administrative Action Tracking System

### STATE AND LOCAL RECORDS

<b>SWF/LF</b>	Landfill List
<b>SWRCY</b>	Recycling Information Listing
<b>AST</b>	Aboveground Storage Tank List
<b>VCP</b>	Voluntary Cleanup Program Sites
<b>BROWNFIELDS</b>	Project Tracking Database
<b>NPDES</b>	Permitted Facility Listing
<b>AIRS</b>	Permitted Airs Facility Listing
<b>TIER 2</b>	Hazardous Materials Repository Information Data

### TRIBAL RECORDS

<b>INDIAN RESERV</b>	Indian Reservations
<b>INDIAN LUST</b>	Leaking Underground Storage Tanks on Indian Land
<b>INDIAN UST</b>	Underground Storage Tanks on Indian Land

### EDR PROPRIETARY RECORDS

<b>Manufactured Gas Plants</b>	EDR Proprietary Manufactured Gas Plants
<b>EDR Historical Cleaners</b>	EDR Proprietary Historic Dry Cleaners

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

## EXECUTIVE SUMMARY

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

### **FEDERAL RECORDS**

**RCRAInfo:** RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act ( RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). The database includes selective information on sites which generate, transport, store , treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/13/2006 has revealed that there are 2 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b><i>DRIVE A JUNK</i></b>	<b><i>4465 N LAS VEGAS BLVD</i></b>	<b><i>0 - 1/8 SSW</i></b>	<b><i>3</i></b>	<b><i>8</i></b>
<b><i>IMMERSION DRY CLEANERS</i></b>	<b><i>4350 LAS VEGAS</i></b>	<b><i>1/8 - 1/4 SW</i></b>	<b><i>9</i></b>	<b><i>12</i></b>

**DOD:** Consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

A review of the DOD list, as provided by EDR, and dated 12/31/2005 has revealed that there is 1 DOD site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
NELLIS AIR FORCE BASE		0 - 1/8 S	0	6

### **STATE AND LOCAL RECORDS**

**SHWS:** Corrective Action Case list (Active, Non-ust Hazardous Waste and Regulated Substance. Correction Actions)

A review of the SHWS list, as provided by EDR, and dated 04/04/2007 has revealed that there are 11 SHWS sites within approximately 1 mile of the target property.

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
HAYCOCK PETROLEUM PACKAGE WARE Date Closed: 08/13/2005 Date Closed: 01/24/2005	4825 NORTH SLOAN LANE	0 - 1/8 W	1	6
<b>FREDERICKSEN TANK LINES, INC.</b> Date Closed: 09/23/1998	<b>4915 NORTH SLOAN LANE</b>	<b>0 - 1/8 NNW 5</b>		<b>9</b>
REBEL OIL FUEL DISTRIBUTION TE <b>CAL NEV PIPELINE COMPANY/TEXAC</b> Date Closed: 11/06/1991 Date Closed: 03/14/1993	5054 NORTH SLOAN LANE <b>5056 NORTH SLOAN AVENUE</b>	1/4 - 1/2 N <b>1/4 - 1/2 N</b>	B10 <b>B11</b>	13 <b>13</b>
NEVADA RECYCLING, INC. Date Closed: 08/04/1997	5000 RANGE ROAD	1/4 - 1/2 WNW	12	14
LAS VEGAS FUEL TERMINAL Date Closed: 01/08/1999 Date Closed: 01/21/1999	5049 NORTH SLOAN LANE	1/4 - 1/2 NNW	13	15
ROYLANCE COMPANY Date Closed: 07/05/2006	5300 NORTH SLOAN LANE	1/2 - 1 N	14	16
CASINO READY MIX MOBILE SOURCE Date Closed: 11/30/2004	5355 BEESLEY DRIVE	1/2 - 1 NNE	16	17

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
7-ELEVEN #18198 Date Closed: 02/15/2002	4395 NORTH LAS VEGAS BO	1/8 - 1/4 SW	A7	11
SPRINT CENTRAL TELEPHONE Date Closed: 12/14/1995	4243 NORTH LAS VEGAS BO	1/2 - 1 SW	15	16
FORMER MTR AUTOMOTIVE, APN 140 Date Closed: 11/20/2006	4465 NORTH LAS VEGAS BO	1/2 - 1 SW	17	17

### LUST: Leaking UST List.

A review of the LUST list, as provided by EDR, and dated 04/04/2007 has revealed that there are 2 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>FREDERICKSEN TANK LINES, INC.</b> Date Closed: 11/10/2004	<b>4915 NORTH SLOAN LANE</b>	<b>0 - 1/8 NNW 5</b>		<b>9</b>
<b>CAL NEV PIPELINE COMPANY/TEXAC</b>	<b>5056 NORTH SLOAN AVENUE</b>	<b>1/4 - 1/2 N</b>	<b>B11</b>	<b>13</b>

### UST: Registered Underground Storage Tank Facilities.

A review of the UST list, as provided by EDR, and dated 07/11/2007 has revealed that there are 3 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
RIVER CITY PETROLEUM	4915 SLOAN ROAD	0 - 1/8 NNE	4	8
CHEVRON LAS VEGAS TERMINAL #10	4950 N SLOAN LN	1/8 - 1/4 N	8	11
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
7-ELEVEN #18198	4395 LAS VEGAS BLVD NOR	1/8 - 1/4 SW	A6	10

## EXECUTIVE SUMMARY

### EDR PROPRIETARY RECORDS

**EDR Historical Auto Stations:** EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

A review of the EDR Historical Auto Stations list, as provided by EDR, has revealed that there is 1 EDR Historical Auto Stations site within approximately 0.25 miles of the target property.

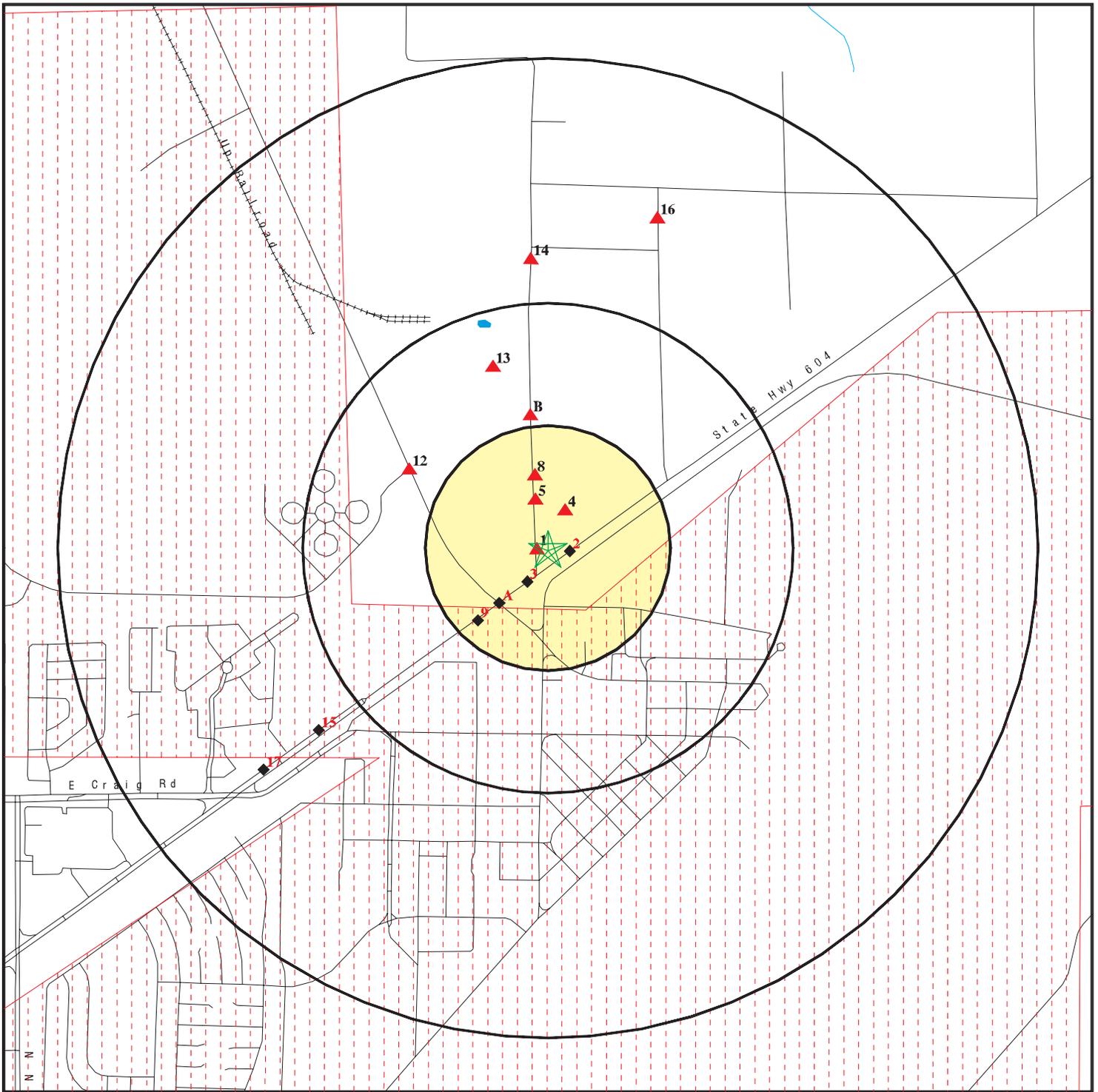
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
NELLIS TEXACO SERV	4800 N LAS VEGAS BLVD	0 - 1/8 E	2	7

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
QUE WEST TRANSPORT	SHWS
FNF CONSTRUCTION	SHWS
INTERPOINT TRANSPORTATION MOBILE S	SHWS
NELLIS AIR FORCE BASE	SHWS
NELLIS AIR FORCE BASE	SHWS
INDIAN SPRINGS AIR FORCE BASE	SHWS
AMERICAN SAFETY INSTITUTE	SHWS
FREHNER CONSTRUCTION	SHWS
NELLIS AIR FORCE BASE	SHWS
NELLIS AIR FORCE BASE - INDIAN S	SHWS
NELLIS AIR FORCE BASE	SHWS
DEVICE ASSEMBLY FACILITY	UST

# OVERVIEW MAP - 2046783.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites

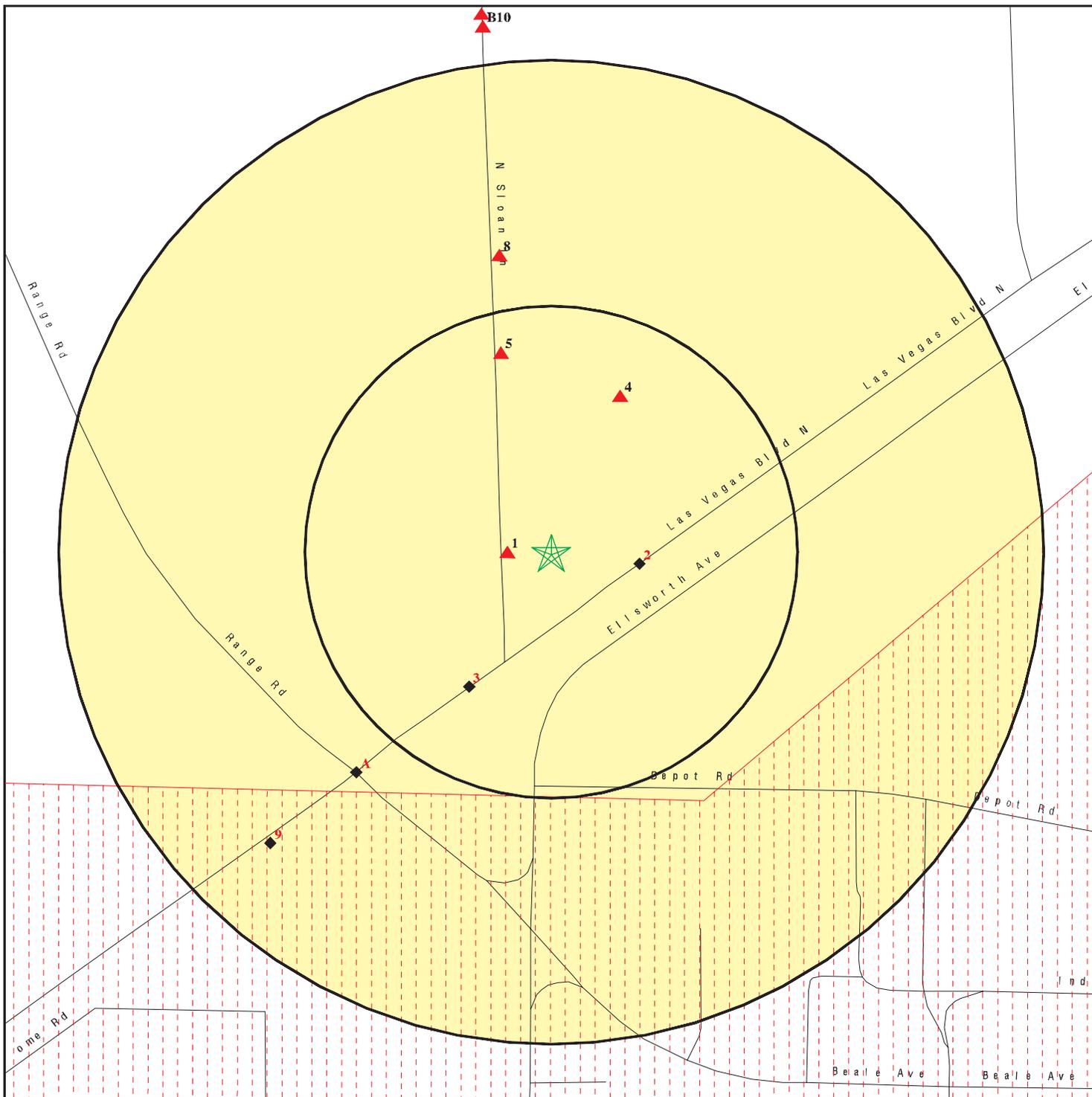
- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Nellis Pipeline Easement  
 ADDRESS: N. Sloan Lane  
 Nellis AFB NV 89115  
 LAT/LONG: 36.2479 / 115.0427

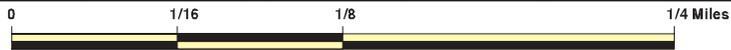
CLIENT: Gulf South Research Corp.  
 CONTACT: Greg Lacy  
 INQUIRY #: 2046783.2s  
 DATE: October 05, 2007 1:04 pm

# DETAIL MAP - 2046783.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Nellis Pipeline Easement  
 ADDRESS: N. Sloan Lane  
 Nellis AFB NV 89115  
 LAT/LONG: 36.2479 / 115.0427

CLIENT: Gulf South Research Corp.  
 CONTACT: Greg Lacy  
 INQUIRY #: 2046783.2s  
 DATE: October 05, 2007 1:04 pm

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b><u>FEDERAL RECORDS</u></b>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL LIENS		TP	NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRA Sm. Quan. Gen.		0.250	1	1	NR	NR	NR	2
ERNS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
DOD		1.000	1	0	0	0	NR	1
FUDS		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
DOT OPS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
HIST FTTS		TP	NR	NR	NR	NR	NR	0
CDL		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
LIENS 2		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
<b><u>STATE AND LOCAL RECORDS</u></b>								
State Haz. Waste		1.000	2	1	4	4	NR	11
State Landfill		0.500	0	0	0	NR	NR	0
SWRCY		0.500	0	0	0	NR	NR	0
LUST		0.500	1	0	1	NR	NR	2
UST		0.250	1	2	NR	NR	NR	3
AST		0.250	0	0	NR	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
BROWNFIELDS		0.500	0	0	0	NR	NR	0

## MAP FINDINGS SUMMARY

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>&lt; 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt; 1</u>	<u>Total Plotted</u>
NPDES		TP	NR	NR	NR	NR	NR	0
AIRS		TP	NR	NR	NR	NR	NR	0
TIER 2		TP	NR	NR	NR	NR	NR	0
<b><u>TRIBAL RECORDS</u></b>								
INDIAN RESERV		1.000	0	0	0	0	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
<b><u>EDR PROPRIETARY RECORDS</u></b>								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0
EDR Historical Auto Stations		0.250	1	0	NR	NR	NR	1
EDR Historical Cleaners		0.250	0	0	NR	NR	NR	0

**NOTES:**

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number  
 EPA ID Number

**DOD**  
**Region**  
**South**  
**< 1/8**  
**657 ft.**

**NELLIS AIR FORCE BASE**  
**NELLIS AIR FORCE BASE (County), NV**

**DOD** **CUSA137900**  
**N/A**

DOD:  
 Feature 1: Air Force DOD  
 Feature 2: Not reported  
 Feature 3: Not reported  
 URL: Not reported  
 Name 1: Nellis Air Force Base  
 Name 2: Not reported  
 Name 3: Not reported  
 State: NV  
 DOD Site: Yes  
 Tile name: NVCLARK

**1**  
**West**  
**< 1/8**  
**117 ft.**

**HAYCOCK PETROLEUM PACKAGE WAREHOUSE**  
**4825 NORTH SLOAN LANE**  
**LAS VEGAS, NV 89115**

**SHWS** **S106514425**  
**N/A**

**Relative:**  
**Equal**  
  
**Actual:**  
**1896 ft.**

SHWS:  
 Flag: CLOSE  
 Facility ID: H-000198  
 Date Release Reported to NDEP: 08/07/2003  
 Program: Mobile Source  
 NDEP Case Officer: danderson  
 Location of Paper File: NDEP: Las Vegas  
 Type of Media Impacted: Soil  
 Event: Not reported  
**Date of Closure: 08/13/2005**  
 Regulatory Type of Closure: Clean w/ Remed  
 Description of Contaminant: DieselDiesel 20 Biodiesel/80 conventional dieselOther BiodieselDieselDiesel Diesel and gasolineOther Bio-Diesel

Flag: CLOSE  
 Facility ID: H-000198  
 Date Release Reported to NDEP: 12/14/2004  
 Program: non-LUST  
 NDEP Case Officer: danderson  
 Location of Paper File: NDEP: Las Vegas  
 Type of Media Impacted: Soil  
 Event: Not reported  
**Date of Closure: 01/24/2005**  
 Regulatory Type of Closure: NAC 445A A-K  
 Description of Contaminant: DieselDiesel 20 Biodiesel/80 conventional dieselOther BiodieselDieselDiesel Diesel and gasolineOther Bio-Diesel

Flag: CLOSE  
 Facility ID: H-000198  
 Date Release Reported to NDEP: 01/31/2006  
 Program: non-LUST  
 NDEP Case Officer: sharbour  
 Location of Paper File: NDEP: Las Vegas  
 Type of Media Impacted: Soil  
 Event: Not reported  
**Date of Closure: 03/15/2006**  
 Regulatory Type of Closure: Clean w/ Remed

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

Database(s)    EDR ID Number  
 EPA ID Number

**HAYCOCK PETROLEUM PACKAGE WAREHOUSE (Continued)**

**S106514425**

Description of Contaminant: DieselDiesel 20 Biodiesel/80 conventional dieselOther BiodieselDieselDiesel  
 Diesel and gasolineOther Bio-Diesel

Flag: CLOSE  
 Facility ID: H-000198  
 Date Release Reported to NDEP: 09/12/2006  
 Program: Not reported  
 NDEP Case Officer: spiper  
 Location of Paper File: NDEP: Las Vegas  
 Type of Media Impacted: Soil  
 Event: Not reported

**Date of Closure: 09/27/2006**  
 Regulatory Type of Closure: Clean Close  
 Description of Contaminant: DieselDiesel 20 Biodiesel/80 conventional dieselOther BiodieselDieselDiesel  
 Diesel and gasolineOther Bio-Diesel

Flag: CLOSE  
 Facility ID: H-000198  
 Date Release Reported to NDEP: 01/26/2006  
 Program: non-LUST  
 NDEP Case Officer: sharbour  
 Location of Paper File: NDEP: Las Vegas  
 Type of Media Impacted: Soil  
 Event: Not reported

**Date of Closure: 03/07/2006**  
 Regulatory Type of Closure: Clean w/ Remed  
 Description of Contaminant: DieselDiesel 20 Biodiesel/80 conventional dieselOther BiodieselDieselDiesel  
 Diesel and gasolineOther Bio-Diesel

Flag: CLOSE  
 Facility ID: H-000198  
 Date Release Reported to NDEP: 01/14/2006  
 Program: non-LUST  
 NDEP Case Officer: sharbour  
 Location of Paper File: NDEP: Las Vegas  
 Type of Media Impacted: Soil  
 Event: Not reported

**Date of Closure: 03/15/2006**  
 Regulatory Type of Closure: Clean w/ Remed  
 Description of Contaminant: DieselDiesel 20 Biodiesel/80 conventional dieselOther BiodieselDieselDiesel  
 Diesel and gasolineOther Bio-Diesel

2  
 East  
 < 1/8  
 240 ft.

**NELLIS TEXACO SERV**  
**4800 N LAS VEGAS BLVD**  
**LAS VEGAS, NV**

**EDR Historical Auto Stations    1009374676**  
**N/A**

**Relative:**  
**Lower**

EDR Historical Auto Stations:  
 Name: NELLIS TEXACO SERV  
 Year: 1970  
 Type: AUTOMOBILE SERVICE STATIONS

**Actual:**  
**1894 ft.**

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**3**  
**SSW**  
**< 1/8**  
**422 ft.**

**DRIVE A JUNK**  
**4465 N LAS VEGAS BLVD**  
**LAS VEGAS, NV 89115**

**RCRA-SQG** **1000429581**  
**FINDS** **NVD095997474**

**Relative:**  
**Lower**

RCRAInfo:  
 Owner: DON JAMES  
 (415) 555-1212  
 EPA ID: NVD095997474  
 Contact: ENVIRONMENTAL MANAGER  
 (702) 643-0075  
 Classification: Small Quantity Generator  
 TSD Activities: Not reported  
 Violation Status: No violations found

**Actual:**  
**1893 ft.**

**FINDS:**  
 Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**4**  
**NNE**  
**< 1/8**  
**458 ft.**

**RIVER CITY PETROLEUM**  
**4915 SLOAN ROAD**  
**LAS VEGAS, NV 89115**

**UST** **U003380893**  
**N/A**

**Relative:**  
**Higher**

UST:  
 Facility ID: 8-001762  
 Tank ID: 1  
 Tank Status: Currently in Use  
 Tank Capacity: 12000  
 Tank Substance: Diesel  
 tankmatdes: Composite (Steel w/ FRP)  
 Tank: Double-Walled  
 pipmatdes: Fiberglass Reinforced Plastic  
 Pipe: Double-Walled  
 Install Date: 3/1/1996

Owner:  
 Owner: LDR PARTNERS  
 Owner Address: 840 DELTA LN  
 Owner City,St,Zip: WEST SACRAMENTO, CA 95691  
 Owner Phone: (916) 371-4960  
 Owner Desc: Commercial

**Actual:**  
**1900 ft.**

Facility ID: 8-001762  
 Tank ID: 2  
 Tank Status: Currently in Use  
 Tank Capacity: 6000  
 Tank Substance: Diesel  
 tankmatdes: Composite (Steel w/ FRP)  
 Tank: Double-Walled

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

RIVER CITY PETROLEUM (Continued)

EDR ID Number  
EPA ID Number

Database(s)

U003380893

pipmatdes: Fiberglass Reinforced Plastic  
Pipe: Double-Walled  
Install Date: 3/1/1996  
  
Owner:  
Owner: LDR PARTNERS  
Owner Address: 840 DELTA LN  
Owner City,St,Zip:WEST SACRAMENTO, CA 95691  
Owner Phone: (916) 371-4960  
Owner Desc: Commercial

Facility ID: 8-001762  
Tank ID: 3  
Tank Status: Currently in Use  
Tank Capacity: 6000  
Tank Substance: Gasoline  
tankmatdes: Composite (Steel w/ FRP)  
Tank: Double-Walled  
pipmatdes: Fiberglass Reinforced Plastic  
Pipe: Double-Walled  
Install Date: 11/1/1995  
  
Owner:  
Owner: LDR PARTNERS  
Owner Address: 840 DELTA LN  
Owner City,St,Zip:WEST SACRAMENTO, CA 95691  
Owner Phone: (916) 371-4960  
Owner Desc: Commercial

5  
NNW  
< 1/8  
552 ft.

FREDERICKSEN TANK LINES, INC.  
4915 NORTH SLOAN LANE  
LAS VEGAS, NV

SHWS S106514546  
LUST N/A

Relative:  
Higher

SHWS:  
Flag: CLOSE  
Facility ID: H-001319  
Date Release Reported to NDEP: 09/17/1998  
Program: Not reported  
NDEP Case Officer: arushana  
Location of Paper File: NDEP: Las Vegas  
Type of Media Impacted: Not reported  
Event: Not reported  
**Date of Closure: 09/23/1998**  
Regulatory Type of Closure: Clean Close  
Description of Contaminant: Gasoline Release to concrete (truck drove over fuel line)

Actual:  
1901 ft.

LUST:  
Flag: CLOSE  
Facility ID: 8-001762  
Date Reported to NDEP: 10/13/2003  
Program: LUST  
NDEP Case Officer: spiper  
Location of Paper File: NDEP: Las Vegas  
Type of Media Impacted: Soil  
Event: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**FREDERICKSEN TANK LINES, INC. (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**S106514546**

CDate: 11/10/2004  
CType: Clean Close  
Description of Contaminant: Diesel

**A6  
SW  
1/8-1/4  
788 ft.**

**7-ELEVEN #18198  
4395 LAS VEGAS BLVD NORTH  
LAS VEGAS, NV 89110**

**UST U003380043  
N/A**

**Site 1 of 2 in cluster A**

**Relative:  
Lower**

**UST:**

**Actual:  
1891 ft.**

Facility ID: 8-000598  
Tank ID: 1  
Tank Status: Currently in Use  
Tank Capacity: 10000  
Tank Substance: Gasoline  
tankmatdes: Fiberglass Reinforced Plastic  
Tank: None  
pipmatdes: Fiberglass Reinforced Plastic  
Pipe: None  
Install Date: 4/16/1984

**Owner:**

Owner: 7-ELEVEN INC  
Owner Address: ATTN: GASOLINE ACCOUNTING PO BOX 711  
Owner City,St,Zip:DALLAS, TX 75221  
Owner Phone: (214) 861-1277  
Owner Desc: Commercial

Facility ID: 8-000598  
Tank ID: 2  
Tank Status: Currently in Use  
Tank Capacity: 10000  
Tank Substance: Gasoline  
tankmatdes: Fiberglass Reinforced Plastic  
Tank: None  
pipmatdes: Fiberglass Reinforced Plastic  
Pipe: None  
Install Date: 4/16/1984

**Owner:**

Owner: 7-ELEVEN INC  
Owner Address: ATTN: GASOLINE ACCOUNTING PO BOX 711  
Owner City,St,Zip:DALLAS, TX 75221  
Owner Phone: (214) 861-1277  
Owner Desc: Commercial

Facility ID: 8-000598  
Tank ID: 3  
Tank Status: Currently in Use  
Tank Capacity: 10000  
Tank Substance: Gasoline  
tankmatdes: Fiberglass Reinforced Plastic  
Tank: None  
pipmatdes: Fiberglass Reinforced Plastic  
Pipe: None  
Install Date: 4/16/1984

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**7-ELEVEN #18198 (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**U003380043**

Owner:  
Owner: 7-ELEVEN INC  
Owner Address: ATTN: GASOLINE ACCOUNTING PO BOX 711  
Owner City,St,Zip:DALLAS, TX 75221  
Owner Phone: (214) 861-1277  
Owner Desc: Commercial

**A7**  
**SW**  
**1/8-1/4**  
**788 ft.**

**7-ELEVEN #18198**  
**4395 NORTH LAS VEGAS BOULEVARD**  
**LAS VEGAS, NV**

**SHWS S105173957**  
**N/A**

**Site 2 of 2 in cluster A**

**Relative:**  
**Lower**

SHWS:  
Flag: CLOSE  
Facility ID: 8-000598  
Date Release Reported to NDEP: 10/25/2000  
Program: Not reported  
NDEP Case Officer: spiper  
Location of Paper File: NDEP: Las Vegas  
Type of Media Impacted: Soil  
Event: Not reported  
**Date of Closure: 02/15/2002**  
Regulatory Type of Closure: Clean Close  
Description of Contaminant: Gasoline

**Actual:**  
**1891 ft.**

**8**  
**North**  
**1/8-1/4**  
**808 ft.**

**CHEVRON LAS VEGAS TERMINAL #1001744**  
**4950 N SLOAN LN**  
**LAS VEGAS, NV 89115**

**UST U003379628**  
**N/A**

**Relative:**  
**Higher**

UST:  
Facility ID: 8-000092  
Tank ID: 1  
Tank Status: Permanently Out of Use  
Tank Capacity: 500  
Tank Substance: Used Oil  
tankmatdes: Asphalt Coated or Bare Steel  
Tank: None  
pipmatdes: Bare Steel  
Pipe: None  
Install Date: 1/1/1975

**Actual:**  
**1901 ft.**

Owner:  
Owner: CHEVRON USA PRODUCTS COMPANY  
Owner Address: ATTN: DAN DOTSON 4950 N SLOAN LN  
Owner City,St,Zip:LAS VEGAS, NV 89115  
Owner Phone: (702) 643-6510  
Owner Desc: Commercial

Facility ID: 8-000092  
Tank ID: 2  
Tank Status: Currently in Use  
Tank Capacity: 10000

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**CHEVRON LAS VEGAS TERMINAL #1001744 (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**U003379628**

Tank Substance: Diesel  
tankmatdes: Fiberglass Reinforced Plastic  
Tank: None  
pipmatdes: Fiberglass Reinforced Plastic  
Pipe: Double-Walled  
Install Date: 1/1/1985  
  
Owner:  
Owner: CHEVRON USA PRODUCTS COMPANY  
Owner Address: ATTN: DAN DOTSON 4950 N SLOAN LN  
Owner City,St,Zip: LAS VEGAS, NV 89115  
Owner Phone: (702) 643-6510  
Owner Desc: Commercial

Facility ID: 8-000092  
Tank ID: 3  
Tank Status: Permanently Out of Use  
Tank Capacity: 5000  
Tank Substance: New Oil  
tankmatdes: Asphalt Coated or Bare Steel  
Tank: None  
pipmatdes: Bare Steel  
Pipe: None  
Install Date: Not reported

Owner:  
Owner: CHEVRON USA PRODUCTS COMPANY  
Owner Address: ATTN: DAN DOTSON 4950 N SLOAN LN  
Owner City,St,Zip: LAS VEGAS, NV 89115  
Owner Phone: (702) 643-6510  
Owner Desc: Commercial

**9  
SW  
1/8-1/4  
1083 ft.**

**IMMERSION DRY CLEANERS  
4350 LAS VEGAS  
LAS VEGAS, NV 89115**

**RCRA-SQG 1000218301  
FINDS NVD981640584**

**Relative:  
Lower**

RCRAInfo:  
Owner: NOT REQUIRED  
(415) 555-1212  
EPA ID: NVD981640584  
Contact: Not reported  
Classification: Small Quantity Generator  
TSDF Activities: Not reported  
Violation Status: No violations found

**Actual:  
1889 ft.**

**FINDS:**  
Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

MAP FINDINGS

Map ID			
Direction			
Distance			
Distance (ft.)			
Elevation	Site	Database(s)	EDR ID Number EPA ID Number

<b>B10</b>	<b>REBEL OIL FUEL DISTRIBUTION TERMINAL</b>	<b>SHWS</b>	<b>S105568226</b>
<b>North</b>	<b>5054 NORTH SLOAN LANE</b>		<b>N/A</b>
<b>1/4-1/2</b>	<b>LAS VEGAS, NV</b>		
<b>1422 ft.</b>			
	<b>Site 1 of 2 in cluster B</b>		
<b>Relative:</b>	<b>SHWS:</b>		
<b>Higher</b>	Flag: ACTIVE		
	Facility ID: H-000117		
<b>Actual:</b>	Date Release Reported to NDEP: 03/13/2007		
<b>1909 ft.</b>	Program: non-LUST		
	NDEP Case Officer: spiper		
	Location of Paper File: NDEP: Las Vegas		
	Type of Media Impacted: Soil		
	Event: Confirmed Release		
	<b>Date of Closure: Not reported</b>		
	Regulatory Type of Closure: Not reported		
	Description of Contaminant: TPHDiesel File located in Cal Nev File Cabinet: Bottom drawerDiesel		
	 Flag: ACTIVE		
	Facility ID: H-000117		
	Date Release Reported to NDEP: 05/17/2002		
	Program: Mobile Source		
	NDEP Case Officer: spiper		
	Location of Paper File: NDEP: Las Vegas		
	Type of Media Impacted: Soil		
	Event: Confirmed Release		
	<b>Date of Closure: Not reported</b>		
	Regulatory Type of Closure: Not reported		
	Description of Contaminant: TPHDiesel File located in Cal Nev File Cabinet: Bottom drawerDiesel		
	 Flag: ACTIVE		
	Facility ID: H-000117		
	Date Release Reported to NDEP: 01/22/2004		
	Program: non-LUST		
	NDEP Case Officer: spiper		
	Location of Paper File: NDEP: Las Vegas		
	Type of Media Impacted: Soil & GW		
	Event: Confirmed Release		
	<b>Date of Closure: Not reported</b>		
	Regulatory Type of Closure: Not reported		
	Description of Contaminant: TPHDiesel File located in Cal Nev File Cabinet: Bottom drawerDiesel		

<b>B11</b>	<b>CAL NEV PIPELINE COMPANY/TEXACO</b>	<b>SHWS</b>	<b>S103875742</b>
<b>North</b>	<b>5056 NORTH SLOAN AVENUE</b>		<b>LUST N/A</b>
<b>1/4-1/2</b>	<b>LAS VEGAS, NV 89115</b>		
<b>1456 ft.</b>			
	<b>Site 2 of 2 in cluster B</b>		
<b>Relative:</b>	<b>SHWS:</b>		
<b>Higher</b>	Flag: CLOSE		
	Facility ID: 8-000013		
<b>Actual:</b>	Date Release Reported to NDEP: Not reported		
<b>1910 ft.</b>	Program: Not reported		
	NDEP Case Officer: CCHD		
	Location of Paper File: CCHD: Las Vegas		
	Type of Media Impacted: Not reported		
	Event: Not reported		
	<b>Date of Closure: 11/06/1991</b>		
	Regulatory Type of Closure: Not reported		

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**CAL NEV PIPELINE COMPANY/TEXACO (Continued)**

**S103875742**

Description of Contaminant: Not reported  
 Flag: CLOSE  
 Facility ID: 8-000013  
 Date Release Reported to NDEP: Not reported  
 Program: Not reported  
 NDEP Case Officer: abiaggi  
 Location of Paper File: NDEP: Carson City  
 Type of Media Impacted: Soil  
 Event: Not reported  
**Date of Closure: 03/14/1993**  
 Regulatory Type of Closure: Not reported  
 Description of Contaminant: Not reported

**LUST:**

Flag: ACTIVE  
 Facility ID: 8-000013  
 Date Reported to NDEP: 02/05/1997  
 Program: LUST  
 NDEP Case Officer: spiper  
 Location of Paper File: NDEP: Las Vegas  
 Type of Media Impacted: Soil & GW  
 Event: Confirmed Release  
 CDate: Not reported  
 CType: Not reported  
 Description of Contaminant: Gasoline

**12**  
**WNW**  
**1/4-1/2**  
**1721 ft.**

**NEVADA RECYCLING, INC.**  
**5000 RANGE ROAD**  
**LAS VEGAS, NV**

**SHWS S103877231**  
**N/A**

**Relative:**  
**Higher**  
  
**Actual:**  
**1907 ft.**

**SHWS:**

Flag: CLOSE  
 Facility ID: H-001229  
 Date Release Reported to NDEP: 01/15/1997  
 Program: Not reported  
 NDEP Case Officer: tcroft  
 Location of Paper File: NDEP: Las Vegas  
 Type of Media Impacted: Soil  
 Event: Not reported  
**Date of Closure: 08/04/1997**  
 Regulatory Type of Closure: Not reported  
 Description of Contaminant: Unknown TPH (dont know type), metals, PCBsTPH

Flag: ACTIVE  
 Facility ID: H-001229  
 Date Release Reported to NDEP: 06/03/1999  
 Program: non-LUST  
 NDEP Case Officer: jdotchin  
 Location of Paper File: NDEP: Las Vegas  
 Type of Media Impacted: Soil  
 Event: Confirmed Release  
**Date of Closure: Not reported**  
 Regulatory Type of Closure: Not reported  
 Description of Contaminant: Unknown TPH (dont know type), metals, PCBsTPH

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**13**  
**NNW**  
**1/4-1/2**  
**2052 ft.**

**LAS VEGAS FUEL TERMINAL**  
**5049 NORTH SLOAN LANE**  
**LAS VEGAS, NV 89110**

**SHWS S103875773**  
**N/A**

**Relative:**  
**Higher**

SHWS:

Flag: CLOSE  
 Facility ID: 8-000066  
 Date Release Reported to NDEP: Not reported  
 Program: Not reported  
 NDEP Case Officer: jlukasko  
 Location of Paper File: NDEP: Carson City  
 Type of Media Impacted: Soil  
 Event: Not reported  
**Date of Closure: 01/08/1999**  
 Regulatory Type of Closure: Other  
 Description of Contaminant: DieselGasoline pipeline repair - 150 gallons gas & waterGasolineUnknownGasoline pipeline leak

**Actual:**  
**1919 ft.**

Flag: CLOSE  
 Facility ID: 8-000066  
 Date Release Reported to NDEP: 12/15/1998  
 Program: Not reported  
 NDEP Case Officer: jlukasko  
 Location of Paper File: NDEP: Carson City  
 Type of Media Impacted: Soil  
 Event: Not reported  
**Date of Closure: 01/21/1999**  
 Regulatory Type of Closure: NAC 445A A-K  
 Description of Contaminant: DieselGasoline pipeline repair - 150 gallons gas & waterGasolineUnknownGasoline pipeline leak

Flag: CLOSE  
 Facility ID: 8-000066  
 Date Release Reported to NDEP: 02/08/2000  
 Program: Not reported  
 NDEP Case Officer: jlukasko  
 Location of Paper File: NDEP: Carson City  
 Type of Media Impacted: Soil  
 Event: Not reported  
**Date of Closure: 03/23/2000**  
 Regulatory Type of Closure: NAC 445A A-K  
 Description of Contaminant: DieselGasoline pipeline repair - 150 gallons gas & waterGasolineUnknownGasoline pipeline leak

Flag: CLOSE  
 Facility ID: 8-000066  
 Date Release Reported to NDEP: 02/19/1999  
 Program: Not reported  
 NDEP Case Officer: jlukasko  
 Location of Paper File: NDEP: Carson City  
 Type of Media Impacted: Soil  
 Event: Not reported  
**Date of Closure: 04/01/1999**  
 Regulatory Type of Closure: NAC 445A A-K  
 Description of Contaminant: DieselGasoline pipeline repair - 150 gallons gas & waterGasolineUnknownGasoline pipeline leak

Flag: CLOSE

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

**LAS VEGAS FUEL TERMINAL (Continued)**

EDR ID Number  
 EPA ID Number

Database(s)

**S103875773**

Facility ID: 8-000066  
 Date Release Reported to NDEP: Not reported  
 Program: Not reported  
 NDEP Case Officer: CCHD  
 Location of Paper File: CCHD: Las Vegas  
 Type of Media Impacted: Not reported  
 Event: Not reported  
**Date of Closure: 07/07/1992**  
 Regulatory Type of Closure: Not reported  
 Description of Contaminant: DieselGasoline pipeline repair - 150 gallons gas & waterGasolineUnknownGasoline pipeline leak

Flag: ACTIVE  
 Facility ID: 8-000066  
 Date Release Reported to NDEP: 02/07/2002  
 Program: non-LUST  
 NDEP Case Officer: spiper  
 Location of Paper File: NDEP: Las Vegas  
 Type of Media Impacted: Soil  
 Event: Confirmed Release  
**Date of Closure: Not reported**  
 Regulatory Type of Closure: Not reported  
 Description of Contaminant: DieselGasoline pipeline repair - 150 gallons gas & waterGasolineUnknownGasoline pipeline leak

**14**  
**North**  
**1/2-1**  
**3132 ft.**

**ROYLANCE COMPANY**  
**5300 NORTH SLOAN LANE**  
**LAS VEGAS, NV**

**SHWS S106870798**  
**N/A**

**Relative:**  
**Higher**

SHWS:  
 Flag: CLOSE  
 Facility ID: H-000291  
 Date Release Reported to NDEP: 02/28/2005  
 Program: non-LUST  
 NDEP Case Officer: spiper  
 Location of Paper File: NDEP: Las Vegas  
 Type of Media Impacted: Soil  
 Event: Not reported  
**Date of Closure: 07/05/2006**  
 Regulatory Type of Closure: Clean w/ Remed  
 Description of Contaminant: Motor Oil Used oil

**Actual:**  
**1940 ft.**

**15**  
**SW**  
**1/2-1**  
**3152 ft.**

**SPRINT CENTRAL TELEPHONE**  
**4243 NORTH LAS VEGAS BOULEVARD**  
**NORTH LAS VEGAS, NV 89115**

**SHWS S103875782**  
**N/A**

**Relative:**  
**Lower**

SHWS:  
 Flag: CLOSE  
 Facility ID: 8-000078  
 Date Release Reported to NDEP: Not reported  
 Program: Not reported  
 NDEP Case Officer: CCHD  
 Location of Paper File: CCHD: Las Vegas  
 Type of Media Impacted: Not reported

**Actual:**  
**1883 ft.**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**SPRINT CENTRAL TELEPHONE (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**S103875782**

Event: Not reported  
**Date of Closure:** **12/14/1995**  
Regulatory Type of Closure: Not reported  
Description of Contaminant: Not reported

**16**  
**NNE**  
**1/2-1**  
**3757 ft.**

**CASINO READY MIX MOBILE SOURCE**  
**5355 BEESLEY DRIVE**  
**LAS VEGAS, NV 89115**

**SHWS S106870552**  
**N/A**

**Relative:**  
**Higher**

SHWS:  
Flag: CLOSE  
Facility ID: H-000262  
Date Release Reported to NDEP: 09/10/2004  
Program: Mobile Source  
NDEP Case Officer: ematus  
Location of Paper File: NDEP: Carson City  
Type of Media Impacted: Soil  
Event: Not reported  
**Date of Closure:** **11/30/2004**  
Regulatory Type of Closure: Clean w/ Remed  
Description of Contaminant: Diesel

**Actual:**  
**1941 ft.**

**17**  
**SW**  
**1/2-1**  
**3882 ft.**

**FORMER MTR AUTOMOTIVE, APN 140-04-201-012**  
**4465 NORTH LAS VEGAS BOULEVARD**  
**LAS VEGAS, NV 89115**

**SHWS S108250105**  
**N/A**

**Relative:**  
**Lower**

SHWS:  
Flag: CLOSE  
Facility ID: H-000504  
Date Release Reported to NDEP: 08/29/2006  
Program: non-LUST  
NDEP Case Officer: jdotchin  
Location of Paper File: NDEP: Las Vegas  
Type of Media Impacted: Soil  
Event: Not reported  
**Date of Closure:** **11/20/2006**  
Regulatory Type of Closure: NAC 445A A-K  
Description of Contaminant: Motor Oil

**Actual:**  
**1880 ft.**

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CLARK COUNTY	S108250003	AMERICAN SAFETY INSTITUTE	U.S. HIGHWAY 95 @ U.S. HIGHWAY		SHWS
CLARK COUNTY	S108250110	FREHNER CONSTRUCTION	STATE ROUTE 376 @ MILE POST 8		SHWS
NELLIS AFB	U003380405	DEVICE ASSEMBLY FACILITY	NELLIS AIR FORCE BASE	89191	UST
CLARK COUNTY	S108250295	QUE WEST TRANSPORT	INTERSTATE 15 @ MILE MARKER 02		SHWS
CLARK COUNTY	S108250101	FNF CONSTRUCTION	INTERSTATE 15 @ MILE MARKER 04		SHWS
CLARK COUNTY	S108250160	INTERPOINT TRANSPORTATION MOBILE S	INTERSTATE 15 @ EXIT 064		SHWS
CLARK COUNTY	S108250227	NELLIS AIR FORCE BASE	AREA 2, TANK 10-322		SHWS
CLARK COUNTY	S108250226	NELLIS AIR FORCE BASE	AREA 2, TANK 10-116		SHWS
CLARK COUNTY	S108250156	INDIAN SPRINGS AIR FORCE BASE	BOX CANYON		SHWS
LAS VEGAS	S108250224	NELLIS AIR FORCE BASE	#10207, #10236, #10250	89191	SHWS
LAS VEGAS	S103876894	NELLIS AIR FORCE BASE	#1024	89191	SHWS
LAS VEGAS	S103876895	NELLIS AIR FORCE BASE	#1100	89191	SHWS
LAS VEGAS	S103876896	NELLIS AIR FORCE BASE	#1110	89191	SHWS
LAS VEGAS	S103876897	NELLIS AIR FORCE BASE	#1602	89191	SHWS
LAS VEGAS	S103876898	NELLIS AIR FORCE BASE	#1709	89191	SHWS
LAS VEGAS	S103876899	NELLIS AIR FORCE BASE	#1730	89191	SHWS
LAS VEGAS	S103876901	NELLIS AIR FORCE BASE	#201	89191	SHWS
LAS VEGAS	S103876091	NELLIS AIR FORCE BASE	#216	89191	SHWS
LAS VEGAS	S103876870	NELLIS AIR FORCE BASE - INDIAN S	#2275	89191	SHWS
LAS VEGAS	S103876904	NELLIS AIR FORCE BASE	#523	89191	SHWS

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

## **FEDERAL RECORDS**

### **NPL: National Priority List**

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/18/2007	Source: EPA
Date Data Arrived at EDR: 08/03/2007	Telephone: N/A
Date Made Active in Reports: 08/29/2007	Last EDR Contact: 07/31/2007
Number of Days to Update: 26	Next Scheduled EDR Contact: 10/29/2007
	Data Release Frequency: Quarterly

### **NPL Site Boundaries**

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)  
Telephone: 202-564-7333

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

### **Proposed NPL: Proposed National Priority List Sites**

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/20/2007	Source: EPA
Date Data Arrived at EDR: 05/03/2007	Telephone: N/A
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 08/31/2007
Number of Days to Update: 63	Next Scheduled EDR Contact: 10/29/2007
	Data Release Frequency: Quarterly

### **DELISTED NPL: National Priority List Deletions**

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/20/2007	Source: EPA
Date Data Arrived at EDR: 05/03/2007	Telephone: N/A
Date Made Active in Reports: 06/25/2007	Last EDR Contact: 08/29/2007
Number of Days to Update: 53	Next Scheduled EDR Contact: 10/29/2007
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **NPL LIENS:** Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991  
Date Data Arrived at EDR: 02/02/1994  
Date Made Active in Reports: 03/30/1994  
Number of Days to Update: 56

Source: EPA  
Telephone: 202-564-4267  
Last EDR Contact: 08/20/2007  
Next Scheduled EDR Contact: 11/19/2007  
Data Release Frequency: No Update Planned

## **CERCLIS:** Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/23/2007  
Date Data Arrived at EDR: 06/20/2007  
Date Made Active in Reports: 08/29/2007  
Number of Days to Update: 70

Source: EPA  
Telephone: 703-412-9810  
Last EDR Contact: 09/19/2007  
Next Scheduled EDR Contact: 12/17/2007  
Data Release Frequency: Quarterly

## **CERCLIS-NFRAP:** CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 06/21/2007  
Date Data Arrived at EDR: 07/23/2007  
Date Made Active in Reports: 08/29/2007  
Number of Days to Update: 37

Source: EPA  
Telephone: 703-412-9810  
Last EDR Contact: 09/17/2007  
Next Scheduled EDR Contact: 12/17/2007  
Data Release Frequency: Quarterly

## **CORRACTS:** Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/26/2007  
Date Data Arrived at EDR: 08/08/2007  
Date Made Active in Reports: 08/29/2007  
Number of Days to Update: 21

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 09/04/2007  
Next Scheduled EDR Contact: 12/03/2007  
Data Release Frequency: Quarterly

## **RCRA:** Resource Conservation and Recovery Act Information

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/13/2006	Source: EPA
Date Data Arrived at EDR: 06/28/2006	Telephone: (415) 495-8895
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 09/04/2007
Number of Days to Update: 56	Next Scheduled EDR Contact: 10/15/2007
	Data Release Frequency: Quarterly

## **ERNS:** Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2006	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/24/2007	Telephone: 202-267-2180
Date Made Active in Reports: 03/12/2007	Last EDR Contact: 07/23/2007
Number of Days to Update: 47	Next Scheduled EDR Contact: 10/22/2007
	Data Release Frequency: Annually

## **HMIRS:** Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 07/02/2007	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 07/18/2007	Telephone: 202-366-4555
Date Made Active in Reports: 09/18/2007	Last EDR Contact: 07/18/2007
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/15/2007
	Data Release Frequency: Annually

## **US ENG CONTROLS:** Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 04/20/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/26/2007	Telephone: 703-603-8905
Date Made Active in Reports: 05/25/2007	Last EDR Contact: 10/01/2007
Number of Days to Update: 29	Next Scheduled EDR Contact: 12/31/2007
	Data Release Frequency: Varies

## **US INST CONTROL:** Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 04/20/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/26/2007	Telephone: 703-603-8905
Date Made Active in Reports: 05/25/2007	Last EDR Contact: 10/01/2007
Number of Days to Update: 29	Next Scheduled EDR Contact: 12/31/2007
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **DOD:** Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 703-692-8801
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 08/09/2007
Number of Days to Update: 62	Next Scheduled EDR Contact: 11/05/2007
	Data Release Frequency: Semi-Annually

## **FUDS:** Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2005	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 09/20/2006	Telephone: 202-528-4285
Date Made Active in Reports: 11/22/2006	Last EDR Contact: 10/01/2007
Number of Days to Update: 63	Next Scheduled EDR Contact: 12/31/2007
	Data Release Frequency: Varies

## **US BROWNFIELDS:** A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 06/20/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/09/2007	Telephone: 202-566-2777
Date Made Active in Reports: 08/29/2007	Last EDR Contact: 09/10/2007
Number of Days to Update: 51	Next Scheduled EDR Contact: 12/10/2007
	Data Release Frequency: Semi-Annually

## **CONSENT:** Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 04/13/2007	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 07/16/2007	Telephone: Varies
Date Made Active in Reports: 08/29/2007	Last EDR Contact: 08/23/2007
Number of Days to Update: 44	Next Scheduled EDR Contact: 10/22/2007
	Data Release Frequency: Varies

## **ROD:** Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 06/08/2007	Source: EPA
Date Data Arrived at EDR: 07/03/2007	Telephone: 703-416-0223
Date Made Active in Reports: 08/29/2007	Last EDR Contact: 10/01/2007
Number of Days to Update: 57	Next Scheduled EDR Contact: 12/31/2007
	Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **UMTRA:** Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 11/08/2006	Telephone: 505-845-0011
Date Made Active in Reports: 01/29/2007	Last EDR Contact: 09/19/2007
Number of Days to Update: 82	Next Scheduled EDR Contact: 12/17/2007
	Data Release Frequency: Varies

## **ODI:** Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## **TRIS:** Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2005	Source: EPA
Date Data Arrived at EDR: 04/27/2007	Telephone: 202-566-0250
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 09/18/2007
Number of Days to Update: 69	Next Scheduled EDR Contact: 12/17/2007
	Data Release Frequency: Annually

## **TSCA:** Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002	Source: EPA
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-260-5521
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 07/30/2007
Number of Days to Update: 46	Next Scheduled EDR Contact: 10/15/2007
	Data Release Frequency: Every 4 Years

## **FTTS:** FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/06/2007	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 07/20/2007	Telephone: 202-566-1667
Date Made Active in Reports: 09/18/2007	Last EDR Contact: 09/17/2007
Number of Days to Update: 60	Next Scheduled EDR Contact: 12/17/2007
	Data Release Frequency: Quarterly

## **FTTS INSP:** FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 07/06/2007	Source: EPA
Date Data Arrived at EDR: 07/20/2007	Telephone: 202-566-1667
Date Made Active in Reports: 09/18/2007	Last EDR Contact: 09/17/2007
Number of Days to Update: 60	Next Scheduled EDR Contact: 12/17/2007
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **SSTS:** Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2005	Source: EPA
Date Data Arrived at EDR: 03/13/2007	Telephone: 202-564-4203
Date Made Active in Reports: 04/27/2007	Last EDR Contact: 07/16/2007
Number of Days to Update: 45	Next Scheduled EDR Contact: 10/15/2007
	Data Release Frequency: Annually

## **DOT OPS:** Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 05/14/2007	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 05/30/2007	Telephone: 202-366-4595
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 08/29/2007
Number of Days to Update: 36	Next Scheduled EDR Contact: 11/26/2007
	Data Release Frequency: Varies

## **LUCIS:** Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005	Source: Department of the Navy
Date Data Arrived at EDR: 12/11/2006	Telephone: 843-820-7326
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 09/12/2007
Number of Days to Update: 31	Next Scheduled EDR Contact: 12/10/2007
	Data Release Frequency: Varies

## **ICIS:** Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 06/29/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/02/2007	Telephone: 202-564-5088
Date Made Active in Reports: 08/29/2007	Last EDR Contact: 06/22/2007
Number of Days to Update: 58	Next Scheduled EDR Contact: 07/16/2007
	Data Release Frequency: Quarterly

## **HIST FTTS:** FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 09/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 12/17/2007
	Data Release Frequency: No Update Planned

## **CDL:** Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/01/2006  
Date Data Arrived at EDR: 01/08/2007  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 3

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 10/02/2007  
Next Scheduled EDR Contact: 12/24/2007  
Data Release Frequency: Quarterly

## **RADINFO:** Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/31/2007  
Date Data Arrived at EDR: 08/01/2007  
Date Made Active in Reports: 08/29/2007  
Number of Days to Update: 28

Source: Environmental Protection Agency  
Telephone: 202-343-9775  
Last EDR Contact: 08/01/2007  
Next Scheduled EDR Contact: 10/29/2007  
Data Release Frequency: Quarterly

## **LIENS 2:** CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 03/08/2007  
Date Data Arrived at EDR: 04/12/2007  
Date Made Active in Reports: 05/14/2007  
Number of Days to Update: 32

Source: Environmental Protection Agency  
Telephone: 202-564-6023  
Last EDR Contact: 08/20/2007  
Next Scheduled EDR Contact: 11/19/2007  
Data Release Frequency: Varies

## **PADS:** PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 04/12/2007  
Date Data Arrived at EDR: 06/08/2007  
Date Made Active in Reports: 08/29/2007  
Number of Days to Update: 82

Source: EPA  
Telephone: 202-566-0500  
Last EDR Contact: 08/09/2007  
Next Scheduled EDR Contact: 11/05/2007  
Data Release Frequency: Annually

## **MLTS:** Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/09/2007  
Date Data Arrived at EDR: 07/24/2007  
Date Made Active in Reports: 09/18/2007  
Number of Days to Update: 56

Source: Nuclear Regulatory Commission  
Telephone: 301-415-7169  
Last EDR Contact: 10/01/2007  
Next Scheduled EDR Contact: 12/31/2007  
Data Release Frequency: Quarterly

## **MINES:** Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/09/2007  
Date Data Arrived at EDR: 06/28/2007  
Date Made Active in Reports: 08/29/2007  
Number of Days to Update: 62

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 09/26/2007  
Next Scheduled EDR Contact: 12/24/2007  
Data Release Frequency: Semi-Annually

## **FINDS:** Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/19/2007  
Date Data Arrived at EDR: 07/25/2007  
Date Made Active in Reports: 09/18/2007  
Number of Days to Update: 55

Source: EPA  
Telephone: (415) 947-8000  
Last EDR Contact: 10/01/2007  
Next Scheduled EDR Contact: 12/31/2007  
Data Release Frequency: Quarterly

## **RAATS:** RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995  
Date Data Arrived at EDR: 07/03/1995  
Date Made Active in Reports: 08/07/1995  
Number of Days to Update: 35

Source: EPA  
Telephone: 202-564-4104  
Last EDR Contact: 08/31/2007  
Next Scheduled EDR Contact: 12/03/2007  
Data Release Frequency: No Update Planned

## **BRS:** Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 03/06/2007  
Date Made Active in Reports: 04/13/2007  
Number of Days to Update: 38

Source: EPA/NTIS  
Telephone: 800-424-9346  
Last EDR Contact: 09/12/2007  
Next Scheduled EDR Contact: 12/10/2007  
Data Release Frequency: Biennially

## **PWS:** Public Water System Data

This Safe Drinking Water Information System (SDWIS) file contains public water systems name and address, population served and the primary source of water

Date of Government Version: 02/24/2000  
Date Data Arrived at EDR: 04/27/2005  
Date Made Active in Reports: N/A  
Number of Days to Update: 0

Source: EPA  
Telephone: N/A  
Last EDR Contact: 08/20/2007  
Next Scheduled EDR Contact: 11/19/2007  
Data Release Frequency: N/A

## **USGS WATER WELLS:** National Water Information System (NWIS)

This database consists of well records in the United States. Available site descriptive information includes well location information (latitude and longitude, well depth, site use, water use, and aquifer).

Date of Government Version: 03/25/2005  
Date Data Arrived at EDR: 03/25/2005  
Date Made Active in Reports: N/A  
Number of Days to Update: 0

Source: USGS  
Telephone: N/A  
Last EDR Contact: 03/25/2005  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: N/A

## **STATE AND LOCAL RECORDS**

### **SHWS:** Sites Database

A listing of correction action sites.

Date of Government Version: 04/04/2007  
Date Data Arrived at EDR: 04/18/2007  
Date Made Active in Reports: 05/14/2007  
Number of Days to Update: 26

Source: Department of Conservation and Natural Resources  
Telephone: 775-687-5872  
Last EDR Contact: 07/20/2007  
Next Scheduled EDR Contact: 10/15/2007  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **SWF/LF:** Landfill List

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 12/04/2007  
Date Data Arrived at EDR: 12/28/2006  
Date Made Active in Reports: 01/30/2007  
Number of Days to Update: 33

Source: Department of Conservation and Natural Resources  
Telephone: 775-687-5872  
Last EDR Contact: 09/28/2007  
Next Scheduled EDR Contact: 12/24/2007  
Data Release Frequency: Annually

## **SWRCY:** Recycling Information Listing

A listing of recycling facilities in Nevada.

Date of Government Version: 01/23/2007  
Date Data Arrived at EDR: 04/10/2007  
Date Made Active in Reports: 05/14/2007  
Number of Days to Update: 34

Source: Department of Environmental Protection  
Telephone: 775-687-9463  
Last EDR Contact: 09/12/2007  
Next Scheduled EDR Contact: 12/10/2007  
Data Release Frequency: Varies

## **LUST:** Sites Database

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 04/04/2007  
Date Data Arrived at EDR: 04/18/2007  
Date Made Active in Reports: 05/14/2007  
Number of Days to Update: 26

Source: Department of Conservation and Natural Resources  
Telephone: 775-687-5872  
Last EDR Contact: 07/20/2007  
Next Scheduled EDR Contact: 10/15/2007  
Data Release Frequency: Varies

## **UST:** Underground Storage Tank List

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 07/11/2007  
Date Data Arrived at EDR: 07/18/2007  
Date Made Active in Reports: 08/31/2007  
Number of Days to Update: 44

Source: Department of Conservation and Natural Resources  
Telephone: 775-687-5872  
Last EDR Contact: 07/18/2007  
Next Scheduled EDR Contact: 10/15/2007  
Data Release Frequency: Varies

## **AST:** Aboveground Storage Tank List

Registered Aboveground Storage Tanks.

Date of Government Version: 01/10/2000  
Date Data Arrived at EDR: 01/11/2000  
Date Made Active in Reports: 02/16/2000  
Number of Days to Update: 36

Source: Department of Conservation and Natural Resources  
Telephone: 775-687-5872  
Last EDR Contact: 07/16/2007  
Next Scheduled EDR Contact: 10/15/2007  
Data Release Frequency: Varies

## **VCP:** Voluntary Cleanup Program Sites

The Voluntary Cleanup Program provides relief from liability to owners who undertake cleanups of contaminated properties under the oversight of the Nevada Division of Environmental Protection.

Date of Government Version: 04/30/2007  
Date Data Arrived at EDR: 05/01/2007  
Date Made Active in Reports: 06/06/2007  
Number of Days to Update: 36

Source: Department of Conservation & Natural Resources  
Telephone: 775-687-9381  
Last EDR Contact: 07/16/2007  
Next Scheduled EDR Contact: 10/15/2007  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **BROWNFIELDS:** Project Tracking Database

Brownfields sites included in the Project Tracking Database. The term "brownfields" is used to describe abandoned, idled, or underused industrial or commercial properties taken out of productive use because of real or perceived risks from environmental contamination. The State of Nevada has initiated Brownfields, a land-recycling program, to provide an opportunity to redevelop these undesirable properties and revitalize communities.

Date of Government Version: 04/04/2007	Source: Division of Environmental Protection
Date Data Arrived at EDR: 04/18/2007	Telephone: 775-687-9384
Date Made Active in Reports: 05/14/2007	Last EDR Contact: 07/20/2007
Number of Days to Update: 26	Next Scheduled EDR Contact: 10/15/2007
	Data Release Frequency: Varies

## **NPDES:** Permitted Facility Listing

A listing of permitted wastewater facilities.

Date of Government Version: 11/07/2006	Source: Department of Environmental Protection
Date Data Arrived at EDR: 11/07/2006	Telephone: 775-687-9414
Date Made Active in Reports: 12/15/2006	Last EDR Contact: 07/16/2007
Number of Days to Update: 38	Next Scheduled EDR Contact: 10/15/2007
	Data Release Frequency: Varies

## **AIRS:** Permitted Airs Facility Listing

A listing of permitted Airs facilities and their associated emissions information.

Date of Government Version: 08/29/2006	Source: Division of Environmental Protection
Date Data Arrived at EDR: 08/31/2006	Telephone: 775-687-9359
Date Made Active in Reports: 10/10/2006	Last EDR Contact: 09/06/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 10/15/2007
	Data Release Frequency: Varies

## **TIER 2:** Hazardous Materials Repository Information Data

Emergency Planning and Community Right-to-Know Act (EPCRA) required facilities which store or manufacture hazardous materials to prepare and submit a chemical inventory report by March 1st of each year to the State Emergency Response Commission (SERC), LEPC and the local fire department. The inventory form must include information on all hazardous chemicals present at the facility during the previous calendar year in amounts that meet or exceed thresholds.

Date of Government Version: 08/21/2007	Source: State Emergency Response Commission
Date Data Arrived at EDR: 08/22/2007	Telephone: 775-687-6973
Date Made Active in Reports: 09/21/2007	Last EDR Contact: 07/20/2007
Number of Days to Update: 30	Next Scheduled EDR Contact: 10/15/2007
	Data Release Frequency: Semi-Annually

## **TRIBAL RECORDS**

### **INDIAN RESERV:** Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 12/08/2006	Telephone: 202-208-3710
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 08/09/2007
Number of Days to Update: 34	Next Scheduled EDR Contact: 11/05/2007
	Data Release Frequency: Semi-Annually

### **INDIAN LUST R1:** Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 12/01/2006	Source: EPA Region 1
Date Data Arrived at EDR: 12/01/2006	Telephone: 617-918-1313
Date Made Active in Reports: 01/29/2007	Last EDR Contact: 08/20/2007
Number of Days to Update: 59	Next Scheduled EDR Contact: 11/19/2007
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **INDIAN LUST R8:** Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/30/2007	Source: EPA Region 8
Date Data Arrived at EDR: 05/31/2007	Telephone: 303-312-6271
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 08/20/2007
Number of Days to Update: 35	Next Scheduled EDR Contact: 11/19/2007
	Data Release Frequency: Quarterly

## **INDIAN LUST R10:** Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 05/23/2007	Source: EPA Region 10
Date Data Arrived at EDR: 05/24/2007	Telephone: 206-553-2857
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 08/20/2007
Number of Days to Update: 42	Next Scheduled EDR Contact: 11/19/2007
	Data Release Frequency: Quarterly

## **INDIAN LUST R9:** Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 06/18/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/18/2007	Telephone: 415-972-3372
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 08/20/2007
Number of Days to Update: 17	Next Scheduled EDR Contact: 11/19/2007
	Data Release Frequency: Quarterly

## **INDIAN LUST R4:** Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 03/20/2007	Source: EPA Region 4
Date Data Arrived at EDR: 04/16/2007	Telephone: 404-562-8677
Date Made Active in Reports: 05/14/2007	Last EDR Contact: 08/20/2007
Number of Days to Update: 28	Next Scheduled EDR Contact: 11/19/2007
	Data Release Frequency: Semi-Annually

## **INDIAN LUST R6:** Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 01/04/2005	Source: EPA Region 6
Date Data Arrived at EDR: 01/21/2005	Telephone: 214-665-6597
Date Made Active in Reports: 02/28/2005	Last EDR Contact: 08/20/2007
Number of Days to Update: 38	Next Scheduled EDR Contact: 11/19/2007
	Data Release Frequency: Varies

## **INDIAN LUST R7:** Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 06/01/2007	Source: EPA Region 7
Date Data Arrived at EDR: 06/14/2007	Telephone: 913-551-7003
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 08/20/2007
Number of Days to Update: 21	Next Scheduled EDR Contact: 11/19/2007
	Data Release Frequency: Varies

## **INDIAN UST R5:** Underground Storage Tanks on Indian Land

Date of Government Version: 12/02/2004	Source: EPA Region 5
Date Data Arrived at EDR: 12/29/2004	Telephone: 312-886-6136
Date Made Active in Reports: 02/04/2005	Last EDR Contact: 08/20/2007
Number of Days to Update: 37	Next Scheduled EDR Contact: 11/19/2007
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN UST R8: Underground Storage Tanks on Indian Land

Date of Government Version: 05/30/2007	Source: EPA Region 8
Date Data Arrived at EDR: 05/31/2007	Telephone: 303-312-6137
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 08/20/2007
Number of Days to Update: 35	Next Scheduled EDR Contact: 11/19/2007
	Data Release Frequency: Quarterly

## INDIAN UST R10: Underground Storage Tanks on Indian Land

Date of Government Version: 05/23/2007	Source: EPA Region 10
Date Data Arrived at EDR: 05/24/2007	Telephone: 206-553-2857
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 08/20/2007
Number of Days to Update: 42	Next Scheduled EDR Contact: 11/19/2007
	Data Release Frequency: Quarterly

## INDIAN UST R9: Underground Storage Tanks on Indian Land

Date of Government Version: 06/18/2007	Source: EPA Region 9
Date Data Arrived at EDR: 06/18/2007	Telephone: 415-972-3368
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 08/20/2007
Number of Days to Update: 17	Next Scheduled EDR Contact: 11/19/2007
	Data Release Frequency: Quarterly

## INDIAN UST R7: Underground Storage Tanks on Indian Land

Date of Government Version: 06/01/2007	Source: EPA Region 7
Date Data Arrived at EDR: 06/14/2007	Telephone: 913-551-7003
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 08/20/2007
Number of Days to Update: 21	Next Scheduled EDR Contact: 11/19/2007
	Data Release Frequency: Varies

## INDIAN UST R6: Underground Storage Tanks on Indian Land

Date of Government Version: 06/06/2007	Source: EPA Region 6
Date Data Arrived at EDR: 06/07/2007	Telephone: 214-665-7591
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 08/20/2007
Number of Days to Update: 28	Next Scheduled EDR Contact: 11/19/2007
	Data Release Frequency: Semi-Annually

## INDIAN UST R4: Underground Storage Tanks on Indian Land

Date of Government Version: 03/20/2007	Source: EPA Region 4
Date Data Arrived at EDR: 04/16/2007	Telephone: 404-562-9424
Date Made Active in Reports: 05/14/2007	Last EDR Contact: 08/20/2007
Number of Days to Update: 28	Next Scheduled EDR Contact: 11/19/2007
	Data Release Frequency: Semi-Annually

## INDIAN UST R1: Underground Storage Tanks on Indian Land

A listing of underground storage tank locations on Indian Land.

Date of Government Version: 12/01/2006	Source: EPA, Region 1
Date Data Arrived at EDR: 12/01/2006	Telephone: 617-918-1313
Date Made Active in Reports: 01/29/2007	Last EDR Contact: 08/20/2007
Number of Days to Update: 59	Next Scheduled EDR Contact: 11/19/2007
	Data Release Frequency: Varies

## EDR PROPRIETARY RECORDS

### **Manufactured Gas Plants:** EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## **EDR Historical Auto Stations:** EDR Proprietary Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## **EDR Historical Cleaners:** EDR Proprietary Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## **FEDERAL RECORDS**

### **PUBLIC SCHOOLS:** Public Schools

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/13/2004  
Date Made Active in Reports: N/A  
Number of Days to Update: 0

Source: National Center for Education statistics  
Telephone: 202-502-7300  
Last EDR Contact: 07/11/2007  
Next Scheduled EDR Contact: 10/08/2007  
Data Release Frequency: N/A

### **PRIVATE SCHOOLS:** Private Schools of the United States

The National Center for Education Statistics' primary database on private school locations in the United States.

Date of Government Version: N/A  
Date Data Arrived at EDR: 10/07/2005  
Date Made Active in Reports: N/A  
Number of Days to Update: 0

Source: National Center for Education Statistics  
Telephone: 202-502-7300  
Last EDR Contact: 09/22/2006  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: N/A

### **NURSING HOMES:** Directory of Nursing Homes

Information on Medicare and Medicaid certified nursing homes in the United States.

Date of Government Version: N/A  
Date Data Arrived at EDR: 10/11/2005  
Date Made Active in Reports: N/A  
Number of Days to Update: 0

Source: N/A  
Telephone: 800-568-3282  
Last EDR Contact: 09/22/2006  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: N/A

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **MEDICAL CENTERS:** Provider of Services Listing

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health & Human Services.

Date of Government Version: 06/01/1998	Source: Centers for Medicare & Medicaid Services
Date Data Arrived at EDR: 11/10/2005	Telephone: 410-786-3000
Date Made Active in Reports: N/A	Last EDR Contact: 01/12/2007
Number of Days to Update: 0	Next Scheduled EDR Contact: N/A
	Data Release Frequency: N/A

## **HOSPITALS:** AHA Hospital Guide

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Date of Government Version: N/A	Source: American Hospital Association
Date Data Arrived at EDR: 10/19/1994	Telephone: 800-242-2626
Date Made Active in Reports: N/A	Last EDR Contact: 09/22/2006
Number of Days to Update: 0	Next Scheduled EDR Contact: N/A
	Data Release Frequency: N/A

## **COLLEGES:** Integrated Postsecondary Education Data

The National Center for Education Statistics' primary database on integrated postsecondary education in the United States.

Date of Government Version: N/A	Source: National Center for Education Statistics
Date Data Arrived at EDR: 10/12/2005	Telephone: 202-502-7300
Date Made Active in Reports: N/A	Last EDR Contact: 09/22/2006
Number of Days to Update: 0	Next Scheduled EDR Contact: N/A
	Data Release Frequency: N/A

## **COUNTY RECORDS**

### **WASHOE COUNTY:**

#### **Underground Storage Tank in Washoe County**

A listing of underground storage tank sites located in Washoe County.

Date of Government Version: 06/25/2007	Source: Washoe County Department of Environmental Health
Date Data Arrived at EDR: 06/28/2007	Telephone: 775-328-2493
Date Made Active in Reports: 08/02/2007	Last EDR Contact: 09/24/2007
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/24/2007
	Data Release Frequency: Quarterly

## **OTHER DATABASE(S)**

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

### **CT MANIFEST:** Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2005	Source: Department of Environmental Protection
Date Data Arrived at EDR: 06/15/2007	Telephone: 860-424-3375
Date Made Active in Reports: 08/20/2007	Last EDR Contact: 09/12/2007
Number of Days to Update: 66	Next Scheduled EDR Contact: 12/10/2007
	Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **NY MANIFEST:** Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 08/27/2007

Date Data Arrived at EDR: 08/30/2007

Date Made Active in Reports: 09/21/2007

Number of Days to Update: 22

Source: Department of Environmental Conservation

Telephone: 518-402-8651

Last EDR Contact: 08/30/2007

Next Scheduled EDR Contact: 11/26/2007

Data Release Frequency: Annually

**Oil/Gas Pipelines:** This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

## **Electric Power Transmission Line Data**

Source: PennWell Corporation

Telephone: (800) 823-6277

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

**Sensitive Receptors:** There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

## **AHA Hospitals:**

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

## **Medical Centers: Provider of Services Listing**

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

## **Nursing Homes**

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

## **Public Schools**

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

## **Private Schools**

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

## **Daycare Centers: Child Care Facility List**

Source: Department of Human Resources

Telephone: 775-684-1100

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

## **Scanned Digital USGS 7.5' Topographic Map (DRG)**

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## **STREET AND ADDRESS INFORMATION**

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# GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM

## TARGET PROPERTY ADDRESS

NELLIS PIPELINE EASEMENT  
N. SLOAN LANE  
NELLIS AFB, NV 89115

## TARGET PROPERTY COORDINATES

Latitude (North): 36.24790 - 36° 14' 52.4"  
Longitude (West): 115.0427 - 115° 2' 33.7"  
Universal Tranverse Mercator: Zone 11  
UTM X (Meters): 675867.6  
UTM Y (Meters): 4013020.2  
Elevation: 1896 ft. above sea level

## USGS TOPOGRAPHIC MAP

Target Property Map: 36115-B1 LAS VEGAS NE, NV  
Most Recent Revision: 1984  
  
North Map: 36115-C1 VALLEY, NV  
Most Recent Revision: 1984

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

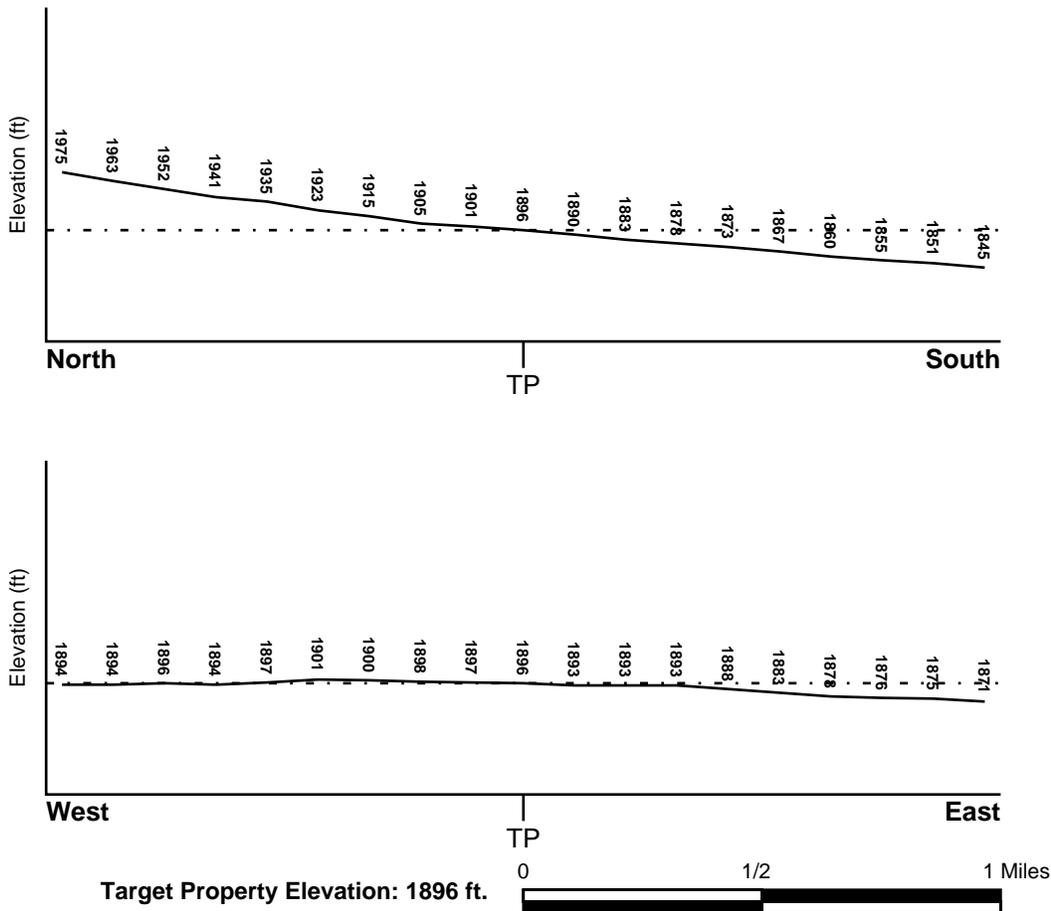
## TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General South

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

## FEMA FLOOD ZONE

<u>Target Property County</u> CLARK, NV	<u>FEMA Flood Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	32003C2200D
Additional Panels in search area:	32003C1800D

## NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> NOT AVAILABLE	<u>NWI Electronic Data Coverage</u> YES - refer to the Overview Map and Detail Map
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## HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### *Site-Specific Hydrogeological Data\*:*

Search Radius:	1.25 miles
Location Relative to TP:	1 - 2 Miles SSE
Site Name:	NELLIS AFB
Site EPA ID Number:	NV7570024110
Groundwater Flow Direction:	S AND E ON A REGIONAL BASIS, DISCHARGING INTO THE LAS VEGAS WASH.
Inferred Depth to Water:	35 to 90 feet below ground surface.
Hydraulic Connection:	The upper 200 feet of sediments at the site consists of clay with varying fractions of sand, gravel, and caliche. The upper aquifer is unconfined and the deeper aquifer is artesian.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information is inferred in the CERCLIS investigation report(s)

## AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

\* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

### GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

#### **ROCK STRATIGRAPHIC UNIT**

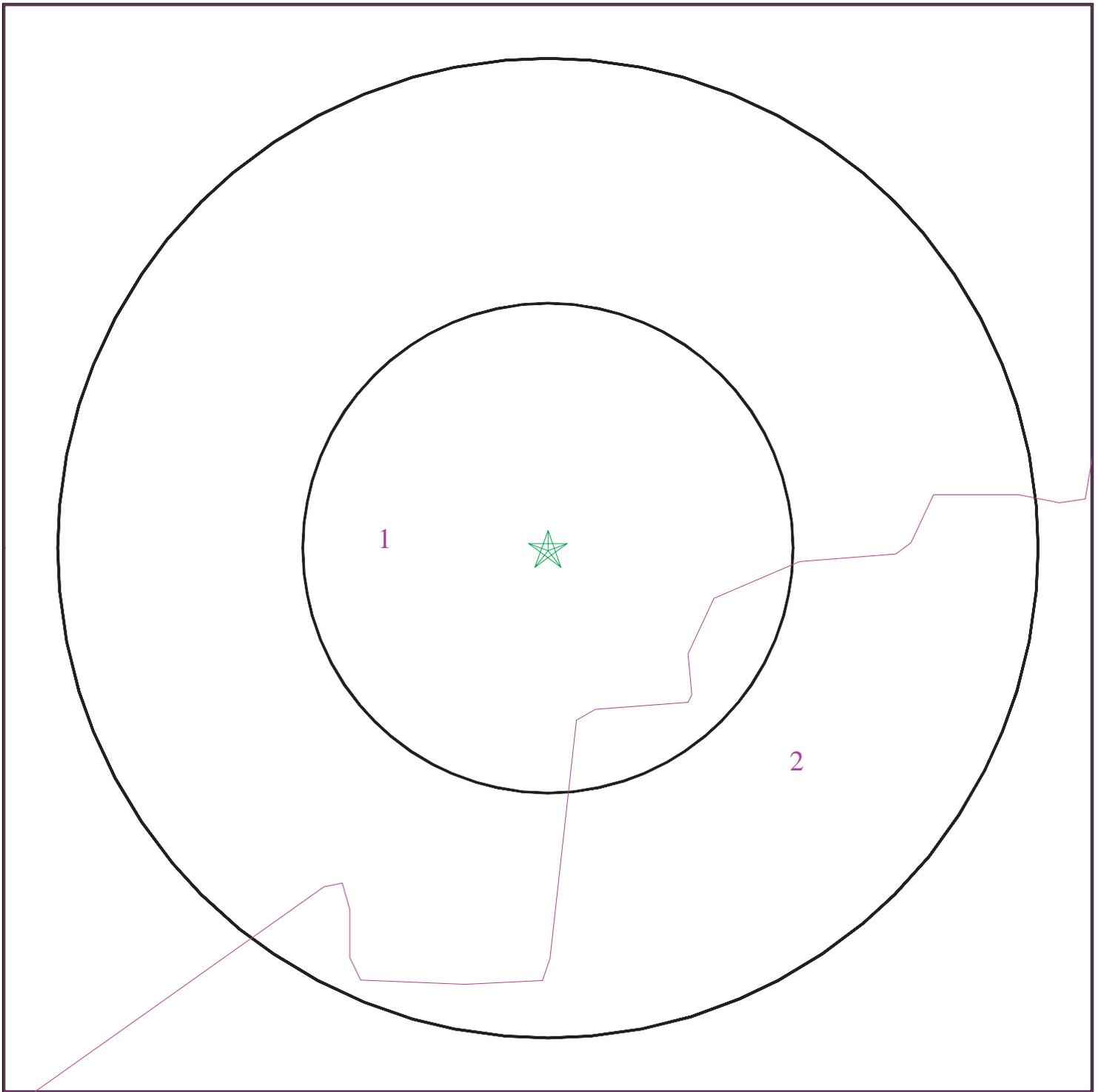
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q ( <i>decoded above as Era, System &amp; Series</i> )

#### **GEOLOGIC AGE IDENTIFICATION**

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

# SSURGO SOIL MAP - 2046783.2s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: Nellis Pipeline Easement  
ADDRESS: N. Sloan Lane  
Nellis AFB NV 89115  
LAT/LONG: 36.2479 / 115.0427

CLIENT: Gulf South Research Corp.  
CONTACT: Greg Lacy  
INQUIRY #: 2046783.2s  
DATE: October 05, 2007 1:04 pm

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

### Soil Map ID: 1

Soil Component Name: LAS VEGAS

Soil Surface Texture: gravelly - fine sandy loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	2 inches	gravelly - fine sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 9.00 Min: 7.90
2	2 inches	8 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 9.00 Min: 7.90
3	8 inches	12 inches	gravelly - sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 0.60 Min: 0.20	Max: 9.00 Min: 7.90

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
4	12 inches	16 inches	indurated	Not reported	Not reported	Max: 0.01 Min: 0.00	Max: 0.00 Min: 0.00

### Soil Map ID: 2

Soil Component Name: URBAN LAND

Soil Surface Texture: Not reported

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

No Layer Information available.

### LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

### WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	USGS3098959	0 - 1/8 Mile South
A2	USGS3098958	0 - 1/8 Mile SSE
33	USGS3098960	1/8 - 1/4 Mile WSW
D34	USGS3098952	1/8 - 1/4 Mile SE
D134	USGS3098950	1/4 - 1/2 Mile SE
207	USGS3099083	1/4 - 1/2 Mile SSW
280	USGS3099095	1/2 - 1 Mile South
Y320	USGS3099000	1/2 - 1 Mile NNW
354	USGS3099076	1/2 - 1 Mile SSW

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
299	NV0003028	1/2 - 1 Mile South

Note: PWS System location is not always the same as well location.

## STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
B3	NV2000000033012	1/8 - 1/4 Mile SSE
B4	NV2000000033015	1/8 - 1/4 Mile SSE
B5	NV2000000033014	1/8 - 1/4 Mile SSE
B6	NV2000000033013	1/8 - 1/4 Mile SSE
B7	NV2000000033018	1/8 - 1/4 Mile SSE
B8	NV2000000033017	1/8 - 1/4 Mile SSE
B9	NV2000000033016	1/8 - 1/4 Mile SSE
C10	NV2000000033439	1/8 - 1/4 Mile WNW
C11	NV2000000033438	1/8 - 1/4 Mile WNW
C12	NV2000000033440	1/8 - 1/4 Mile WNW
C13	NV2000000033442	1/8 - 1/4 Mile WNW
C14	NV2000000033441	1/8 - 1/4 Mile WNW
C15	NV2000000033437	1/8 - 1/4 Mile WNW
C16	NV2000000033433	1/8 - 1/4 Mile WNW
C17	NV2000000033432	1/8 - 1/4 Mile WNW
C18	NV2000000033434	1/8 - 1/4 Mile WNW
C19	NV2000000033436	1/8 - 1/4 Mile WNW
C20	NV2000000033435	1/8 - 1/4 Mile WNW
C21	NV2000000033443	1/8 - 1/4 Mile WNW
C22	NV2000000033451	1/8 - 1/4 Mile WNW
C23	NV2000000033450	1/8 - 1/4 Mile WNW
C24	NV2000000033452	1/8 - 1/4 Mile WNW
C25	NV2000000033454	1/8 - 1/4 Mile WNW
C26	NV2000000033453	1/8 - 1/4 Mile WNW
C27	NV2000000033449	1/8 - 1/4 Mile WNW
C28	NV2000000033445	1/8 - 1/4 Mile WNW
C29	NV2000000033444	1/8 - 1/4 Mile WNW
C30	NV2000000033446	1/8 - 1/4 Mile WNW

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
C31	NV2000000033448	1/8 - 1/4 Mile WNW
C32	NV2000000033447	1/8 - 1/4 Mile WNW
E35	NV2000000032948	1/4 - 1/2 Mile SW
E36	NV2000000032947	1/4 - 1/2 Mile SW
E37	NV2000000032949	1/4 - 1/2 Mile SW
E38	NV2000000032951	1/4 - 1/2 Mile SW
E39	NV2000000032950	1/4 - 1/2 Mile SW
E40	NV2000000032946	1/4 - 1/2 Mile SW
E41	NV2000000032942	1/4 - 1/2 Mile SW
E42	NV2000000032941	1/4 - 1/2 Mile SW
E43	NV2000000032943	1/4 - 1/2 Mile SW
E44	NV2000000032945	1/4 - 1/2 Mile SW
E45	NV2000000032944	1/4 - 1/2 Mile SW
E46	NV2000000032952	1/4 - 1/2 Mile SW
E47	NV2000000032960	1/4 - 1/2 Mile SW
E48	NV2000000032959	1/4 - 1/2 Mile SW
E49	NV2000000032961	1/4 - 1/2 Mile SW
E50	NV2000000032963	1/4 - 1/2 Mile SW
E51	NV2000000032962	1/4 - 1/2 Mile SW
E52	NV2000000032958	1/4 - 1/2 Mile SW
E53	NV2000000032954	1/4 - 1/2 Mile SW
E54	NV2000000032953	1/4 - 1/2 Mile SW
E55	NV2000000032955	1/4 - 1/2 Mile SW
E56	NV2000000032957	1/4 - 1/2 Mile SW
E57	NV2000000032956	1/4 - 1/2 Mile SW
E58	NV2000000032940	1/4 - 1/2 Mile SW
E59	NV2000000032924	1/4 - 1/2 Mile SW
E60	NV2000000032923	1/4 - 1/2 Mile SW
E61	NV2000000032925	1/4 - 1/2 Mile SW
E62	NV2000000032927	1/4 - 1/2 Mile SW
E63	NV2000000032926	1/4 - 1/2 Mile SW
E64	NV2000000032922	1/4 - 1/2 Mile SW
E65	NV2000000032918	1/4 - 1/2 Mile SW
E66	NV2000000032917	1/4 - 1/2 Mile SW
E67	NV2000000032919	1/4 - 1/2 Mile SW
E68	NV2000000032921	1/4 - 1/2 Mile SW
E69	NV2000000032920	1/4 - 1/2 Mile SW
E70	NV2000000032928	1/4 - 1/2 Mile SW
E71	NV2000000032936	1/4 - 1/2 Mile SW
E72	NV2000000032935	1/4 - 1/2 Mile SW
E73	NV2000000032937	1/4 - 1/2 Mile SW
E74	NV2000000032939	1/4 - 1/2 Mile SW
E75	NV2000000032938	1/4 - 1/2 Mile SW
E76	NV2000000032934	1/4 - 1/2 Mile SW
E77	NV2000000032930	1/4 - 1/2 Mile SW
E78	NV2000000032929	1/4 - 1/2 Mile SW
E79	NV2000000032931	1/4 - 1/2 Mile SW
E80	NV2000000032933	1/4 - 1/2 Mile SW
E81	NV2000000032932	1/4 - 1/2 Mile SW
E82	NV2000000032964	1/4 - 1/2 Mile SW
E83	NV2000000032996	1/4 - 1/2 Mile SW
E84	NV2000000032995	1/4 - 1/2 Mile SW

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
E85	NV2000000032997	1/4 - 1/2 Mile SW
E86	NV2000000032999	1/4 - 1/2 Mile SW
E87	NV2000000032998	1/4 - 1/2 Mile SW
E88	NV2000000032994	1/4 - 1/2 Mile SW
E89	NV2000000032990	1/4 - 1/2 Mile SW
E90	NV2000000032989	1/4 - 1/2 Mile SW
E91	NV2000000032991	1/4 - 1/2 Mile SW
E92	NV2000000032993	1/4 - 1/2 Mile SW
E93	NV2000000032992	1/4 - 1/2 Mile SW
E94	NV2000000033000	1/4 - 1/2 Mile SW
E95	NV2000000033008	1/4 - 1/2 Mile SW
E96	NV2000000033007	1/4 - 1/2 Mile SW
E97	NV2000000033009	1/4 - 1/2 Mile SW
E98	NV2000000033011	1/4 - 1/2 Mile SW
E99	NV2000000033010	1/4 - 1/2 Mile SW
E100	NV2000000033006	1/4 - 1/2 Mile SW
E101	NV2000000033002	1/4 - 1/2 Mile SW
E102	NV2000000033001	1/4 - 1/2 Mile SW
E103	NV2000000033003	1/4 - 1/2 Mile SW
E104	NV2000000033005	1/4 - 1/2 Mile SW
E105	NV2000000033004	1/4 - 1/2 Mile SW
E106	NV2000000032988	1/4 - 1/2 Mile SW
E107	NV2000000032972	1/4 - 1/2 Mile SW
E108	NV2000000032971	1/4 - 1/2 Mile SW
E109	NV2000000032973	1/4 - 1/2 Mile SW
E110	NV2000000032975	1/4 - 1/2 Mile SW
E111	NV2000000032974	1/4 - 1/2 Mile SW
E112	NV2000000032970	1/4 - 1/2 Mile SW
E113	NV2000000032966	1/4 - 1/2 Mile SW
E114	NV2000000032965	1/4 - 1/2 Mile SW
E115	NV2000000032967	1/4 - 1/2 Mile SW
E116	NV2000000032969	1/4 - 1/2 Mile SW
E117	NV2000000032968	1/4 - 1/2 Mile SW
E118	NV2000000032976	1/4 - 1/2 Mile SW
E119	NV2000000032984	1/4 - 1/2 Mile SW
E120	NV2000000032983	1/4 - 1/2 Mile SW
E121	NV2000000032985	1/4 - 1/2 Mile SW
E122	NV2000000032987	1/4 - 1/2 Mile SW
E123	NV2000000032986	1/4 - 1/2 Mile SW
E124	NV2000000032982	1/4 - 1/2 Mile SW
E125	NV2000000032978	1/4 - 1/2 Mile SW
E126	NV2000000032977	1/4 - 1/2 Mile SW
E127	NV2000000032979	1/4 - 1/2 Mile SW
E128	NV2000000032981	1/4 - 1/2 Mile SW
E129	NV2000000032980	1/4 - 1/2 Mile SW
F130	NV2000000033876	1/4 - 1/2 Mile NE
F131	NV2000000033875	1/4 - 1/2 Mile NE
F132	NV2000000033878	1/4 - 1/2 Mile NE
F133	NV2000000033877	1/4 - 1/2 Mile NE
G135	NV2000000034021	1/4 - 1/2 Mile North
G136	NV2000000034022	1/4 - 1/2 Mile North
G137	NV2000000034025	1/4 - 1/2 Mile NNE

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
G138	NV2000000034026	1/4 - 1/2 Mile NNE
G139	NV2000000034023	1/4 - 1/2 Mile NNE
G140	NV2000000034024	1/4 - 1/2 Mile NNE
G141	NV2000000034027	1/4 - 1/2 Mile NNE
G142	NV2000000034030	1/4 - 1/2 Mile NNE
G143	NV2000000034031	1/4 - 1/2 Mile NNE
G144	NV2000000034028	1/4 - 1/2 Mile NNE
G145	NV2000000034029	1/4 - 1/2 Mile NNE
H146	NV2000000033455	1/4 - 1/2 Mile ENE
H147	NV2000000033456	1/4 - 1/2 Mile ENE
H148	NV2000000033457	1/4 - 1/2 Mile ENE
I149	NV2000000034003	1/4 - 1/2 Mile NNW
I150	NV2000000034002	1/4 - 1/2 Mile NNW
I151	NV2000000034001	1/4 - 1/2 Mile NNW
I152	NV2000000034006	1/4 - 1/2 Mile NNW
I153	NV2000000034005	1/4 - 1/2 Mile NNW
I154	NV2000000034004	1/4 - 1/2 Mile NNW
I155	NV2000000034000	1/4 - 1/2 Mile NNW
I156	NV2000000033996	1/4 - 1/2 Mile NNW
I157	NV2000000033995	1/4 - 1/2 Mile NNW
I158	NV2000000033994	1/4 - 1/2 Mile NNW
I159	NV2000000033999	1/4 - 1/2 Mile NNW
I160	NV2000000033998	1/4 - 1/2 Mile NNW
I161	NV2000000033997	1/4 - 1/2 Mile NNW
I162	NV2000000034007	1/4 - 1/2 Mile NNW
I163	NV2000000034017	1/4 - 1/2 Mile NNW
I164	NV2000000034016	1/4 - 1/2 Mile NNW
I165	NV2000000034015	1/4 - 1/2 Mile NNW
I166	NV2000000034020	1/4 - 1/2 Mile NNW
I167	NV2000000034019	1/4 - 1/2 Mile NNW
I168	NV2000000034018	1/4 - 1/2 Mile NNW
I169	NV2000000034014	1/4 - 1/2 Mile NNW
I170	NV2000000034010	1/4 - 1/2 Mile NNW
I171	NV2000000034009	1/4 - 1/2 Mile NNW
I172	NV2000000034008	1/4 - 1/2 Mile NNW
I173	NV2000000034013	1/4 - 1/2 Mile NNW
I174	NV2000000034012	1/4 - 1/2 Mile NNW
I175	NV2000000034011	1/4 - 1/2 Mile NNW
J176	NV2000000033023	1/4 - 1/2 Mile ESE
J177	NV2000000033022	1/4 - 1/2 Mile ESE
J178	NV2000000033025	1/4 - 1/2 Mile ESE
J179	NV2000000033024	1/4 - 1/2 Mile ESE
J180	NV2000000033021	1/4 - 1/2 Mile ESE
J181	NV2000000033019	1/4 - 1/2 Mile ESE
J182	NV2000000033020	1/4 - 1/2 Mile ESE
K183	NV2000000034036	1/4 - 1/2 Mile NE
K184	NV2000000034037	1/4 - 1/2 Mile NE
K185	NV2000000034038	1/4 - 1/2 Mile NE
K186	NV2000000034035	1/4 - 1/2 Mile NE
K187	NV2000000034032	1/4 - 1/2 Mile NE
K188	NV2000000034033	1/4 - 1/2 Mile NE
K189	NV2000000034034	1/4 - 1/2 Mile NE

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
K190	NV2000000034043	1/4 - 1/2 Mile NE
K191	NV2000000034044	1/4 - 1/2 Mile NE
K192	NV2000000034045	1/4 - 1/2 Mile NE
K193	NV2000000034042	1/4 - 1/2 Mile NE
K194	NV2000000034039	1/4 - 1/2 Mile NE
K195	NV2000000034040	1/4 - 1/2 Mile NE
K196	NV2000000034041	1/4 - 1/2 Mile NE
L197	NV2000000032485	1/4 - 1/2 Mile SSW
L198	NV2000000032486	1/4 - 1/2 Mile SSW
M199	NV2000000032914	1/4 - 1/2 Mile WSW
M200	NV2000000032915	1/4 - 1/2 Mile WSW
M201	NV2000000032916	1/4 - 1/2 Mile WSW
M202	NV2000000032910	1/4 - 1/2 Mile WSW
M203	NV2000000032909	1/4 - 1/2 Mile WSW
M204	NV2000000032911	1/4 - 1/2 Mile WSW
M205	NV2000000032913	1/4 - 1/2 Mile WSW
M206	NV2000000032912	1/4 - 1/2 Mile WSW
N208	NV2000000032494	1/2 - 1 Mile SE
N209	NV2000000032493	1/2 - 1 Mile SE
N210	NV2000000032495	1/2 - 1 Mile SE
N211	NV2000000032497	1/2 - 1 Mile SE
N212	NV2000000032496	1/2 - 1 Mile SE
N213	NV2000000032492	1/2 - 1 Mile SE
N214	NV2000000032488	1/2 - 1 Mile SE
N215	NV2000000032487	1/2 - 1 Mile SE
N216	NV2000000032489	1/2 - 1 Mile SE
N217	NV2000000032491	1/2 - 1 Mile SE
N218	NV2000000032490	1/2 - 1 Mile SE
N219	NV2000000032498	1/2 - 1 Mile SE
N220	NV2000000032506	1/2 - 1 Mile SE
N221	NV2000000032505	1/2 - 1 Mile SE
N222	NV2000000032507	1/2 - 1 Mile SE
N223	NV2000000032509	1/2 - 1 Mile SE
N224	NV2000000032508	1/2 - 1 Mile SE
N225	NV2000000032504	1/2 - 1 Mile SE
N226	NV2000000032500	1/2 - 1 Mile SE
N227	NV2000000032499	1/2 - 1 Mile SE
N228	NV2000000032501	1/2 - 1 Mile SE
N229	NV2000000032503	1/2 - 1 Mile SE
N230	NV2000000032502	1/2 - 1 Mile SE
O231	NV2000000034518	1/2 - 1 Mile North
O232	NV2000000034519	1/2 - 1 Mile North
O233	NV2000000034520	1/2 - 1 Mile North
O234	NV2000000034515	1/2 - 1 Mile North
O235	NV2000000034516	1/2 - 1 Mile North
O236	NV2000000034517	1/2 - 1 Mile North
O237	NV2000000034524	1/2 - 1 Mile North
O238	NV2000000034525	1/2 - 1 Mile North
O239	NV2000000034526	1/2 - 1 Mile North
O240	NV2000000034521	1/2 - 1 Mile North
O241	NV2000000034522	1/2 - 1 Mile North
O242	NV2000000034523	1/2 - 1 Mile North

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
O243	NV2000000034506	1/2 - 1 Mile North
O244	NV2000000034507	1/2 - 1 Mile North
O245	NV2000000034508	1/2 - 1 Mile North
O246	NV2000000034503	1/2 - 1 Mile North
O247	NV2000000034504	1/2 - 1 Mile North
O248	NV2000000034505	1/2 - 1 Mile North
O249	NV2000000034512	1/2 - 1 Mile North
O250	NV2000000034513	1/2 - 1 Mile North
O251	NV2000000034514	1/2 - 1 Mile North
O252	NV2000000034509	1/2 - 1 Mile North
O253	NV2000000034510	1/2 - 1 Mile North
O254	NV2000000034511	1/2 - 1 Mile North
O255	NV2000000034542	1/2 - 1 Mile North
O256	NV2000000034543	1/2 - 1 Mile North
O257	NV2000000034544	1/2 - 1 Mile North
O258	NV2000000034539	1/2 - 1 Mile North
O259	NV2000000034540	1/2 - 1 Mile North
O260	NV2000000034541	1/2 - 1 Mile North
O261	NV2000000034548	1/2 - 1 Mile North
O262	NV2000000034549	1/2 - 1 Mile North
O263	NV2000000034550	1/2 - 1 Mile North
O264	NV2000000034545	1/2 - 1 Mile North
O265	NV2000000034546	1/2 - 1 Mile North
O266	NV2000000034547	1/2 - 1 Mile North
O267	NV2000000034530	1/2 - 1 Mile North
O268	NV2000000034531	1/2 - 1 Mile North
O269	NV2000000034532	1/2 - 1 Mile North
O270	NV2000000034527	1/2 - 1 Mile North
O271	NV2000000034528	1/2 - 1 Mile North
O272	NV2000000034529	1/2 - 1 Mile North
O273	NV2000000034536	1/2 - 1 Mile North
O274	NV2000000034537	1/2 - 1 Mile North
O275	NV2000000034538	1/2 - 1 Mile North
O276	NV2000000034533	1/2 - 1 Mile North
O277	NV2000000034534	1/2 - 1 Mile North
O278	NV2000000034535	1/2 - 1 Mile North
279	NV2000000033026	1/2 - 1 Mile ESE
P281	NV2000000032482	1/2 - 1 Mile SW
P282	NV2000000032483	1/2 - 1 Mile SW
P283	NV2000000032484	1/2 - 1 Mile SW
284	NV2000000034551	1/2 - 1 Mile NNE
Q285	NV2000000034046	1/2 - 1 Mile ENE
Q286	NV2000000034047	1/2 - 1 Mile ENE
287	NV2000000032142	1/2 - 1 Mile South
R288	NV2000000032512	1/2 - 1 Mile SE
R289	NV2000000032511	1/2 - 1 Mile SE
R290	NV2000000032510	1/2 - 1 Mile SE
R291	NV2000000032515	1/2 - 1 Mile SE
R292	NV2000000032514	1/2 - 1 Mile SE
R293	NV2000000032513	1/2 - 1 Mile SE
S294	NV2000000034457	1/2 - 1 Mile NW
S295	NV2000000034458	1/2 - 1 Mile NW

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## STATE DATABASE WELL INFORMATION

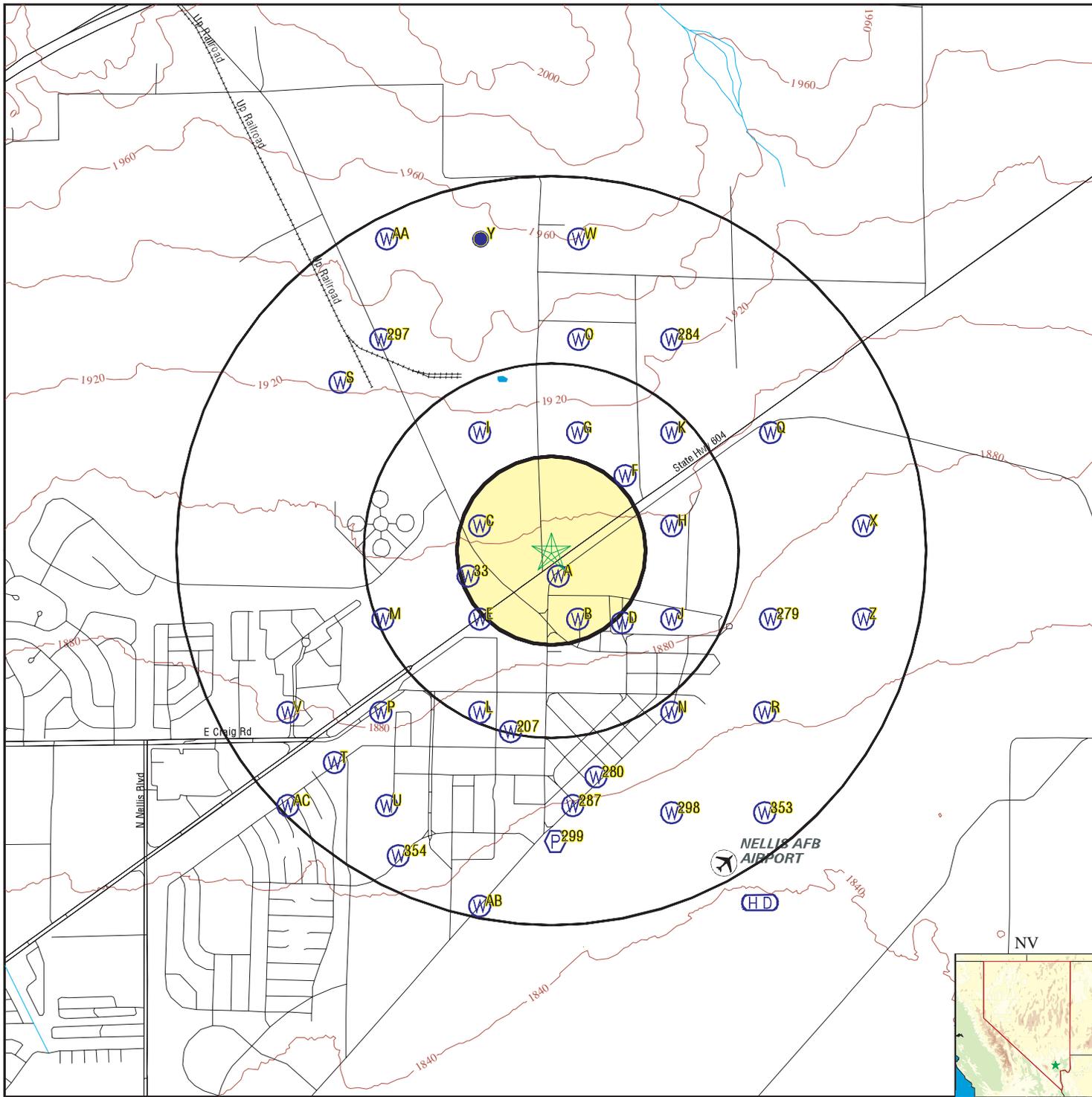
MAP ID	WELL ID	LOCATION FROM TP
S296	NV2000000034459	1/2 - 1 Mile NW
297	NV2000000034502	1/2 - 1 Mile NW
298	NV2000000032083	1/2 - 1 Mile SSE
T300	NV2000000032392	1/2 - 1 Mile SW
T301	NV2000000032391	1/2 - 1 Mile SW
T302	NV2000000032393	1/2 - 1 Mile SW
T303	NV2000000032395	1/2 - 1 Mile SW
T304	NV2000000032394	1/2 - 1 Mile SW
U305	NV2000000032140	1/2 - 1 Mile SSW
U306	NV2000000032141	1/2 - 1 Mile SSW
V307	NV2000000032479	1/2 - 1 Mile WSW
V308	NV2000000032480	1/2 - 1 Mile WSW
V309	NV2000000032481	1/2 - 1 Mile WSW
W310	NV2000000035008	1/2 - 1 Mile North
W311	NV2000000035009	1/2 - 1 Mile North
W312	NV2000000035006	1/2 - 1 Mile North
W313	NV2000000035007	1/2 - 1 Mile North
W314	NV2000000035012	1/2 - 1 Mile North
W315	NV2000000035013	1/2 - 1 Mile North
W316	NV2000000035010	1/2 - 1 Mile North
W317	NV2000000035011	1/2 - 1 Mile North
X318	NV2000000033458	1/2 - 1 Mile East
X319	NV2000000033459	1/2 - 1 Mile East
Z321	NV2000000033036	1/2 - 1 Mile ESE
Z322	NV2000000033035	1/2 - 1 Mile ESE
Z323	NV2000000033034	1/2 - 1 Mile ESE
Z324	NV2000000033039	1/2 - 1 Mile ESE
Z325	NV2000000033038	1/2 - 1 Mile ESE
Z326	NV2000000033037	1/2 - 1 Mile ESE
Z327	NV2000000033033	1/2 - 1 Mile ESE
Z328	NV2000000033029	1/2 - 1 Mile ESE
Z329	NV2000000033028	1/2 - 1 Mile ESE
Z330	NV2000000033027	1/2 - 1 Mile ESE
Z331	NV2000000033032	1/2 - 1 Mile ESE
Z332	NV2000000033031	1/2 - 1 Mile ESE
Z333	NV2000000033030	1/2 - 1 Mile ESE
Z334	NV2000000033040	1/2 - 1 Mile ESE
Z335	NV2000000033050	1/2 - 1 Mile ESE
Z336	NV2000000033049	1/2 - 1 Mile ESE
Z337	NV2000000033048	1/2 - 1 Mile ESE
Z338	NV2000000033053	1/2 - 1 Mile ESE
Z339	NV2000000033052	1/2 - 1 Mile ESE
Z340	NV2000000033051	1/2 - 1 Mile ESE
Z341	NV2000000033047	1/2 - 1 Mile ESE
Z342	NV2000000033043	1/2 - 1 Mile ESE
Z343	NV2000000033042	1/2 - 1 Mile ESE
Z344	NV2000000033041	1/2 - 1 Mile ESE
Z345	NV2000000033046	1/2 - 1 Mile ESE
Z346	NV2000000033045	1/2 - 1 Mile ESE
Z347	NV2000000033044	1/2 - 1 Mile ESE
Y348	NV2000000035002	1/2 - 1 Mile NNW
Y349	NV2000000035001	1/2 - 1 Mile NNW

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
Y350	NV2000000035003	1/2 - 1 Mile NNW
Y351	NV2000000035005	1/2 - 1 Mile NNW
Y352	NV2000000035004	1/2 - 1 Mile NNW
353	NV2000000032084	1/2 - 1 Mile SE
AA355	NV2000000034998	1/2 - 1 Mile NNW
AA356	NV2000000034999	1/2 - 1 Mile NNW
AA357	NV2000000035000	1/2 - 1 Mile NNW
AB358	NV2000000031847	1/2 - 1 Mile SSW
AB359	NV2000000031848	1/2 - 1 Mile SSW
AB360	NV2000000031846	1/2 - 1 Mile SSW
AB361	NV2000000031844	1/2 - 1 Mile SSW
AB362	NV2000000031845	1/2 - 1 Mile SSW
AB363	NV2000000031849	1/2 - 1 Mile SSW
AB364	NV2000000031853	1/2 - 1 Mile SSW
AB365	NV2000000031854	1/2 - 1 Mile SSW
AB366	NV2000000031852	1/2 - 1 Mile SSW
AB367	NV2000000031850	1/2 - 1 Mile SSW
AB368	NV2000000031851	1/2 - 1 Mile SSW
AC369	NV2000000032137	1/2 - 1 Mile SW
AC370	NV2000000032136	1/2 - 1 Mile SW
AC371	NV2000000032139	1/2 - 1 Mile SW
AC372	NV2000000032138	1/2 - 1 Mile SW

# PHYSICAL SETTING SOURCE MAP - 2046783.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons



- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data



SITE NAME: Nellis Pipeline Easement  
 ADDRESS: N. Sloan Lane  
 Nellis AFB NV 89115  
 LAT/LONG: 36.2479 / 115.0427

CLIENT: Gulf South Research Corp.  
 CONTACT: Greg Lacy  
 INQUIRY #: 2046783.2s  
 DATE: October 05, 2007 1:04 pm

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**A1**  
**South**  
**0 - 1/8 Mile**  
**Lower**

**FED USGS      USGS3098959**

Agency cd:	USGS	Site no:	361449115023001
Site name:	212 S20 E62 03BBC 1 USAF		
Latitude:	361449		
Longitude:	1150230	Dec lat:	36.246915
Dec lon:	-115.04250146	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	32
State:	32	County:	003
Country:	US	Land net:	SWNWNWS03 T20S R62E M
Location map:	LAS VEGAS NE, NV	Map scale:	24000
Altitude:	1890.		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Las Vegas Wash. Nevada. Area = 1860 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	700	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0		
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Daily flow data count:	0		
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0		
Water quality data end date:	0000-00-00	Water quality data begin date:	0000-00-00
Water quality data count:	0		
Ground water data begin date:	1972-02-24	Ground water data end date:	1973-11-30
Ground water data count:	7		

Ground-water levels, Number of Measurements: 7

Date	Feet below Surface	Feet to Sealevel		Date	Feet below Surface	Feet to Sealevel
1973-11-30	101.34			1973-08-21	108.28	
1973-05-11	99.13			1973-02-19	100.04	
1972-11-30	102.30			1972-10-02	107.61	
1972-02-24	104.34					

**A2**  
**SSE**  
**0 - 1/8 Mile**  
**Lower**

**FED USGS      USGS3098958**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	361449115022901
Site name:	212 S20 E62 03BBCC1 USAF Nellis 10		
Latitude:	361449		
Longitude:	1150229	Dec lat:	36.246915
Dec lon:	-115.04222367	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	32
State:	32	County:	003
Country:	US	Land net:	SWNWNWS03 T2OS R62E M
Location map:	LAS VEGAS NE, NV	Map scale:	24000
Altitude:	1889.		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Las Vegas Wash. Nevada. Area = 1860 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19560813
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	1397.	Hole depth:	1497.
Source of depth data:	driller		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1957-03-28	Ground water data end date:	1989-06-08
Ground water data count:	59		

Ground-water levels, Number of Measurements: 59

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
-----					
1989-06-08	Note: The well was destroyed (no water level is recorded).				
1988-03-14	95.18		1988-02-08	93.98	
1987-11-09	96.3		1987-04-29	87.34	
1987-04-22	87.30		1987-04-16	87.56	
1987-04-08	87.64		1987-04-03	87.44	
1987-03-20	87.76		1987-03-12	88.09	
1987-03-05	88.14		1987-02-26	88.20	
1987-02-19	88.53		1987-02-12	88.71	
1987-02-04	88.96		1987-01-28	89.00	
1987-01-22	89.26		1987-01-20	89.59	
1987-01-08	90.20		1987-01-02	90.13	
1986-12-23	90.56		1986-12-19	90.75	
1986-12-09	93.18		1986-12-03	94.56	
1986-11-21	92.38		1986-11-17	92.46	
1986-11-07	93.24		1986-10-31	93.98	
1986-10-23	94.36		1986-10-17	94.80	
1986-10-10	95.45		1986-10-03	95.85	
1986-09-29	96.47		1986-09-19	97.10	
1986-09-05	98.48		1986-08-29	98.42	
1986-08-22	98.38		1986-08-14	99.61	
1986-08-08	100.99		1986-08-01	100.92	

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1986-07-25	100.43		1986-07-18	100.82	
1986-07-10	98.72		1986-07-03	96.81	
1986-06-20	95.77		1986-06-12	93.50	
1986-06-05	91.02		1986-05-29	89.07	
1986-05-22	89.37		1986-05-15	88.39	
1986-05-09	88.57		1986-05-02	88.62	
1986-04-18	88.10		1986-04-08	88.49	
1986-03-28	88.83		1986-03-27	88.93	
1986-03-20	89.26		1957-03-28	68	

**B3**  
**SSE**  
**1/8 - 1/4 Mile**  
**Lower**

**NV WELLS NV2000000033012**

Sequence #:	57355	Well log:	78632
App:	Not Reported	Notice of :	41413
Waiver no:	Not Reported	Date log r:	01/24/2000 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	U
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	BB
Legal quarter:	NW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	M		
Owner current:	NELLIS AFB		
Owner addr:	RANGE RD & N LAS VEGAS BLVD		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	12/13/1999 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	110	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	110
Casing diameter:	10		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	19101	Contract 1:	LAYNE CHRISTENSEN CO
Contract 2:	12030 E RIGGS RD CHANDLER AZ 85249		
Contract 3:	0		
Driller li:	2080	Source age:	NV003
User id:	DBRANTLE	Date entry:	02/22/2000 00:00:00
Update use:	Not Reported	Date updat:	04/14/2000 00:00:00
Edit statu:	F	Well start:	12/13/1999 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	0	Gravel p 2:	0
Utm x:	676041.252486		
Utm y:	4012732.65687		

**B4**  
**SSE**  
**1/8 - 1/4 Mile**  
**Lower**

**NV WELLS    NV2000000033015**

Sequence #:	11345	Well log:	35608
App:	Not Reported	Notice of :	8189
Waiver no:	MO-2069	Date log r:	09/17/1991 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	U
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	BB
Legal quarter:	NW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	T F W C		
Owner addr:	NELLIS AFB		
Owner no:	MW-60		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/25/1991 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	73
Depth drilled:	110	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	110
Casing diameter:	4		
Casing reduc:	0	Top perf:	80
Bottom perf:	110	Perf interval:	1
Static wl:	81		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	JOHN F OLENSKI
Contract 2:	8646 BEAUXART CR SACRAMENTO CA		
Contract 3:	0		
Driller li:	1656	Source age:	NV003
User id:	RJMATHIS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	07/22/1991 00:00:00
Gravel p 1:	77	Gravel p 2:	110
Utm x:	676066.215209		
Utm y:	4012733.16177		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**B5**  
**SSE**  
**1/8 - 1/4 Mile**  
**Lower**

**NV WELLS      NV2000000033014**

Sequence #:	11344	Well log:	35607
App:	Not Reported	Notice of :	8193
Waiver no:	MO-2069	Date log r:	09/17/1991 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	Z
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	BB
Legal quarter:	NW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	T F W C		
Owner addr:	NELLIS AFB		
Owner no:	MW-61		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	08/01/1991 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	61
Depth drilled:	100	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	98
Casing diameter:	4		
Casing reduc:	0	Top perf:	68
Bottom perf:	98	Perf interval:	1
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	DRILLING METHOD=HOLLOW		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	JOHN F OLENSKI
Contract 2:	8696 BEAUXART CIR SAC CA		
Contract 3:	0		
Driller li:	1656	Source age:	NV003
User id:	RJMATHIS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	07/30/1991 00:00:00
Gravel p 1:	68	Gravel p 2:	98
Utm x:	676066.215209		
Utm y:	4012733.16177		

**B6**  
**SSE**  
**1/8 - 1/4 Mile**  
**Lower**

**NV WELLS      NV2000000033013**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	1970	Well log:	3981
App:	16936	Notice of :	0
Waiver no:	Not Reported	Date log r:	01/22/1958 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	P	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	BB
Legal quarter:	NW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	NELLIS AFB		
Owner addr:	Not Reported		
Owner no:	10		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/28/1957 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	1497	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	1497
Casing diameter:	20		
Casing reduc:	1	Top perf:	100
Bottom perf:	1497	Perf interval:	2
Static wl:	68		
Temperature:	72		
Yield:	400		
Drawdown:	0		
Hours pump:	93		
Test method:	P	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	Not Reported
Contract 2:	Not Reported		
Contract 3:	0		
Driller li:	295	Source age:	NV003
User id:	Not Reported	Date entry:	03/17/1997 00:00:00
Update use:	dsdavis	Date updat:	10/15/1996 00:00:00
Edit statu:	F	Well start:	08/13/1956 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676066.215209		
Utm y:	4012733.16177		

**B7  
SSE  
1/8 - 1/4 Mile  
Lower**

**NV WELLS      NV2000000033018**

Sequence #:	19054	Well log:	43317
App:	16936	Notice of :	0
Waiver no:	Not Reported	Date log r:	11/05/1993 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	P	Drilling method:	U
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	03	Sec quarter:	BB
Legal quarter:	NW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	NELLIS AFB		
Owner addr:	BEHIND AUTO HOBBY SHOP		
Owner no:	10		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	10/02/1993 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	685
Casing diameter:	8		
Casing reduc:	0	Top perf:	120
Bottom perf:	565	Perf interval:	1
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	F
Qual lith :	F		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	19101	Contract 1:	LAYNE CHRISTENSEN CO
Contract 2:	12030 E RIGGS RD CHANDLER AZ 85249		
Contract 3:	0		
Driller li:	1616	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	DBRANTLE	Date updat:	04/28/2000 00:00:00
Edit statu:	F	Well start:	09/28/1993 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676066.215209		
Utm y:	4012733.16177		

**B8**  
**SSE**  
**1/8 - 1/4 Mile**  
**Lower**

**NV WELLS      NV2000000033017**

Sequence #:	17125	Well log:	41388
App:	Not Reported	Notice of :	0
Waiver no:	MO-2231	Date log r:	06/01/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	BB
Legal quarter:	NW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	NELLIS AFB		
Owner addr:	Not Reported		
Owner no:	MW-096		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	02/07/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	64
Depth drilled:	102	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	100
Casing diameter:	2.5		
Casing reduc:	0	Top perf:	70
Bottom perf:	100	Perf interval:	1
Static wl:	80		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	F
Qual lith :	F		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	H-F DRILLING INC
Contract 2:	1150 W TRENTON AVE ORANGE CA		
Contract 3:	0		
Driller li:	1747	Source age:	NV003
User id:	CGALEJAN	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	10/19/1998 00:00:00
Edit statu:	F	Well start:	02/06/1993 00:00:00
Gravel p 1:	68	Gravel p 2:	101
Utm x:	676066.215209		
Utm y:	4012733.16177		

**B9**  
**SSE**  
**1/8 - 1/4 Mile**  
**Lower**

**NV WELLS      NV2000000033016**

Sequence #:	11346	Well log:	35609
App:	Not Reported	Notice of :	8191
Waiver no:	MO-2069	Date log r:	09/17/1991 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	U
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	BB
Legal quarter:	NW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	T F W C		
Owner addr:	NELLIS AFB		
Owner no:	MW-59		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/20/1991 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	65

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	105	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	105
Casing diameter:	4		
Casing reduc:	0	Top perf:	85
Bottom perf:	105	Perf interval:	1
Static wl:	69		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	JOHN F OLENSKI
Contract 2:	8646 BEAUXART CR SACRAMENTO CA		
Contract 3:	0		
Driller li:	1656	Source age:	NV003
User id:	RJMATHIS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	07/18/1991 00:00:00
Gravel p 1:	72	Gravel p 2:	105
Utm x:	676066.215209		
Utm y:	4012733.16177		

**C10  
WNW  
1/8 - 1/4 Mile  
Higher**

**NV WELLS      NV2000000033439**

Sequence #:	45019	Well log:	66456
App:	Not Reported	Notice of :	6246
Waiver no:	Not Reported	Date log r:	01/07/1991 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DD
Legal quarter:	SE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2489013671875
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	12/18/1990 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	67
Depth drilled:	120	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	120
Casing diameter:	2		
Casing reduc:	0	Top perf:	80
Bottom perf:	120	Perf interval:	1
Static wl:	89.63		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	DON WILSON
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV		
Contract 3:	0		
Driller li:	1589	Source age:	NV003
User id:	KCOON	Date entry:	07/08/1997 00:00:00
Update use:	Not Reported	Date updat:	02/02/1998 00:00:00
Edit statu:	F	Well start:	12/18/1990 00:00:00
Gravel p 1:	71	Gravel p 2:	120
Utm x:	675633.765017		
Utm y:	4013125.19051		

**C11  
WNW  
1/8 - 1/4 Mile  
Higher**

**NV WELLS      NV2000000033438**

Sequence #:	45018	Well log:	66455
App:	Not Reported	Notice of :	10791
Waiver no:	Not Reported	Date log r:	01/07/1991 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DD
Legal quarter:	SE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2489013671875
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported	Subdivisio:	Not Reported
Parcel no:	Not Reported	Block no:	Not Reported
Lot no:	Not Reported	Date cmplt:	D
Well finish:	12/19/1990 00:00:00	Depth seal:	59
Gravel pack:	Y	Depth bedrock:	0
Depth drilled:	120	Depth case:	115
Aquifer depth:	Not Reported		
Casing diameter:	2	Top perf:	75
Casing reduc:	0	Perf interval:	1
Bottom perf:	115		
Static wl:	84		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	DON WILSON
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV		
Contract 3:	0		
Driller li:	0	Source age:	NV003
User id:	KCOON	Date entry:	07/08/1997 00:00:00
Update use:	Not Reported	Date updat:	02/02/1998 00:00:00
Edit statu:	F	Well start:	12/19/1990 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	63	Gravel p 2:	116
Utm x:	675633.765017		
Utm y:	4013125.19051		

**C12  
WNW  
1/8 - 1/4 Mile  
Higher**

**NV WELLS    NV2000000033440**

Sequence #:	45020	Well log:	66457
App:	Not Reported	Notice of :	6245
Waiver no:	Not Reported	Date log r:	01/07/1991 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DD
Legal quarter:	SE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2489013671875
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	12/17/1990 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	68
Depth drilled:	120	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	120
Casing diameter:	2		
Casing reduc:	0	Top perf:	80
Bottom perf:	120	Perf interval:	1
Static wl:	88.9		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	DON WILSON
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV		
Contract 3:	0		
Driller li:	1589	Source age:	NV003
User id:	KCOON	Date entry:	07/08/1997 00:00:00
Update use:	user15	Date updat:	02/02/1998 00:00:00
Edit statu:	F	Well start:	12/17/1990 00:00:00
Gravel p 1:	70	Gravel p 2:	121
Utm x:	675633.765017		
Utm y:	4013125.19051		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**C13**  
**WNW**  
**1/8 - 1/4 Mile**  
**Higher**

**NV WELLS      NV2000000033442**

Sequence #:	45022	Well log:	66459
App:	Not Reported	Notice of :	6243
Waiver no:	Not Reported	Date log r:	01/07/1991 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DD
Legal quarter:	SE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2489013671875
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	12/13/1990 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	65
Depth drilled:	120	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	120
Casing diameter:	2		
Casing reduc:	0	Top perf:	80
Bottom perf:	120	Perf interval:	1
Static wl:	95.6		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	DON WILSON
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV		
Contract 3:	0		
Driller li:	1589	Source age:	NV003
User id:	KCOON	Date entry:	07/08/1997 00:00:00
Update use:	user15	Date updat:	02/02/1998 00:00:00
Edit statu:	F	Well start:	12/13/1990 00:00:00
Gravel p 1:	68	Gravel p 2:	120
Utm x:	675633.765017		
Utm y:	4013125.19051		

**C14**  
**WNW**  
**1/8 - 1/4 Mile**  
**Higher**

**NV WELLS      NV2000000033441**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	45021	Well log:	66458
App:	Not Reported	Notice of :	6244
Waiver no:	Not Reported	Date log r:	01/07/1991 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DD
Legal quarter:	SE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2489013671875
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	12/14/1990 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	67
Depth drilled:	120	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	120
Casing diameter:	2		
Casing reduc:	0	Top perf:	80
Bottom perf:	120	Perf interval:	1
Static wl:	88.3		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	DON WILSON
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV		
Contract 3:	0		
Driller li:	1589	Source age:	NV003
User id:	KCOON	Date entry:	07/08/1997 00:00:00
Update use:	Not Reported	Date updat:	02/02/1998 00:00:00
Edit statu:	F	Well start:	12/14/1990 00:00:00
Gravel p 1:	71	Gravel p 2:	120
Utm x:	675633.765017		
Utm y:	4013125.19051		

**C15  
WNW  
1/8 - 1/4 Mile  
Higher**

**NV WELLS      NV2000000033437**

Sequence #:	44995	Well log:	66432
App:	Not Reported	Notice of :	6219
Waiver no:	Not Reported	Date log r:	11/30/1990 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	33	Sec quarter:	DD
Legal quarter:	SE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2489013671875
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	08/07/1990 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	86
Depth drilled:	120	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	0		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	DON WILSON
Contract 2:	4670 POLARIS LAS VEGAS NV		
Contract 3:	0		
Driller li:	1589	Source age:	NV003
User id:	KCOON	Date entry:	07/03/1997 00:00:00
Update use:	Not Reported	Date updat:	11/10/1997 00:00:00
Edit statu:	F	Well start:	08/07/1990 00:00:00
Gravel p 1:	86	Gravel p 2:	120
Utm x:	675633.765017		
Utm y:	4013125.19051		

**C16  
WNW  
1/8 - 1/4 Mile  
Higher**

**NV WELLS    NV2000000033433**

Sequence #:	7173	Well log:	31523
App:	Not Reported	Notice of :	0
Waiver no:	MO-126A	Date log r:	05/04/1989 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DD
Legal quarter:	SE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2489013671875
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	NELLIS AFB		
Owner addr:	FACILITY 1014		
Owner no:	MW-029		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	02/22/1989 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	55
Depth drilled:	102	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	102
Casing diameter:	2		
Casing reduc:	0	Top perf:	72
Bottom perf:	102	Perf interval:	1
Static wl:	83.5		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	H-F DRILLING INC
Contract 2:	1456B S MANHATTAN FULLERTON CA		
Contract 3:	0		
Driller li:	1614	Source age:	NV003
User id:	NAFLECKS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	02/10/1998 00:00:00
Edit statu:	F	Well start:	02/22/1989 00:00:00
Gravel p 1:	61	Gravel p 2:	102
Utm x:	675633.765017		
Utm y:	4013125.19051		

**C17  
WNW  
1/8 - 1/4 Mile  
Higher**

**NV WELLS    NV2000000033432**

Sequence #:	24673	Well log:	9833
App:	23422	Notice of :	0
Waiver no:	Not Reported	Date log r:	12/11/1967 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	N	Drilling method:	C
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DD
Legal quarter:	SE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2489013671875
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	STANDARD OIL CO		
Owner addr:	Not Reported		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	09/12/1967 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	50

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	300	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	300
Casing diameter:	8.62		
Casing reduc:	0	Top perf:	120
Bottom perf:	300	Perf interval:	1
Static wl:	123		
Temperature:	0		
Yield:	50		
Drawdown:	0		
Hours pump:	0		
Test method:	U	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	4286A	Contract 1:	THOMPSON DRILLING CO INC
Contract 2:	4185 W HARMON LAS VEGAS NV 89103		
Contract 3:	0		
Driller li:	581	Source age:	NV003
User id:	PCOOKE	Date entry:	09/20/1995 00:00:00
Update use:	dsdavis	Date updat:	09/04/1996 00:00:00
Edit statu:	F	Well start:	09/06/1967 00:00:00
Gravel p 1:	50	Gravel p 2:	300
Utm x:	675633.765017		
Utm y:	4013125.19051		

**C18  
WNW  
1/8 - 1/4 Mile  
Higher**

**NV WELLS      NV2000000033434**

Sequence #:	7984	Well log:	32318
App:	Not Reported	Notice of :	0
Waiver no:	Not Reported	Date log r:	06/19/1989 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DD
Legal quarter:	SE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2489013671875
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	MW-01		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	12/06/1988 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	93
Depth drilled:	140	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	140
Casing diameter:	2		
Casing reduc:	0	Top perf:	97
Bottom perf:	137	Perf interval:	1
Static wl:	106.3		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	F		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	DON WILSON
Contract 2:	4670 S POLARIS LV NV 89103		
Contract 3:	0		
Driller li:	1589	Source age:	NV003
User id:	NAFLECKS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	02/10/1998 00:00:00
Edit statu:	F	Well start:	12/05/1988 00:00:00
Gravel p 1:	93	Gravel p 2:	140
Utm x:	675633.765017		
Utm y:	4013125.19051		

**C19**  
**WNW**  
**1/8 - 1/4 Mile**  
**Higher**

**NV WELLS    NV2000000033436**

Sequence #:	14611	Well log:	38874
App:	23422	Notice of :	0
Waiver no:	Not Reported	Date log r:	02/20/1992 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	N	Drilling method:	U
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DD
Legal quarter:	SE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2489013671875
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CHEVRON		
Owner addr:	Not Reported		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	02/05/1992 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	300	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	0		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	68		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	22311	Contract 1:	WATER WELL SERVICES
Contract 2:	4545 N RANCHO RD LAS VEGAS NV 89130		
Contract 3:	0		
Driller li:	1792	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	03/06/1997 00:00:00
Edit statu:	F	Well start:	02/03/1992 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	0	Gravel p 2:	0
Utm x:	675633.765017		
Utm y:	4013125.19051		

**C20  
WNW  
1/8 - 1/4 Mile  
Higher**

**NV WELLS    NV2000000033435**

Sequence #:	9692	Well log:	33964
App:	Not Reported	Notice of :	6288
Waiver no:	Not Reported	Date log r:	06/29/1990 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DD
Legal quarter:	SE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2489013671875
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S ARMY CORPS OF ENGINEERS		
Owner addr:	Not Reported		
Owner no:	MW-29C		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	05/01/1990 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	59
Depth drilled:	102	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	102
Casing diameter:	4		
Casing reduc:	0	Top perf:	72
Bottom perf:	102	Perf interval:	1
Static wl:	82		
Temperature:	71.5		
Yield:	3		
Drawdown:	11.5		
Hours pump:	2		
Test method:	C	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	H-F DRILLING INC
Contract 2:	1456 S MANHATTAN AVE FULLERTON		
Contract 3:	1614		
Driller li:	1614	Source age:	NV003
User id:	AVTYPER	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	02/10/1998 00:00:00
Edit statu:	F	Well start:	05/01/1990 00:00:00
Gravel p 1:	68	Gravel p 2:	102
Utm x:	675633.765017		
Utm y:	4013125.19051		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**C21**  
**WNW**  
**1/8 - 1/4 Mile**  
**Higher**

**NV WELLS      NV2000000033443**

Sequence #:	45023	Well log:	66460
App:	Not Reported	Notice of :	6242
Waiver no:	Not Reported	Date log r:	01/07/1991 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DD
Legal quarter:	SE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2489013671875
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	12/12/1990 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	70
Depth drilled:	120	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	120
Casing diameter:	2		
Casing reduc:	0	Top perf:	80
Bottom perf:	120	Perf interval:	1
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	DON WILSON
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV		
Contract 3:	0		
Driller li:	1589	Source age:	NV003
User id:	KCOON	Date entry:	07/08/1997 00:00:00
Update use:	user15	Date updat:	02/02/1998 00:00:00
Edit statu:	F	Well start:	12/12/1990 00:00:00
Gravel p 1:	77	Gravel p 2:	120
Utm x:	675633.765017		
Utm y:	4013125.19051		

**C22**  
**WNW**  
**1/8 - 1/4 Mile**  
**Higher**

**NV WELLS      NV2000000033451**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	69643	Well log:	88097
App:	Not Reported	Notice of :	46033
Waiver no:	Not Reported	Date log r:	03/19/2003 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DD
Legal quarter:	SE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2489013671875
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	KINDER MORGAN ENERGY PARTNERS		
Owner addr:	4915 N SLOAN LN		
Owner no:	RW-B		
Parcel no:	123-33-801-004	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	10/25/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	78
Depth drilled:	135	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	135
Casing diameter:	4		
Casing reduc:	0	Top perf:	80
Bottom perf:	135	Perf interval:	2
Static wl:	95		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	10157	Contract 1:	BOART LONGYEAR
Contract 2:	2640 W 1700 S SALT LAKE CITY UT 84104-4240		
Contract 3:	0		
Driller li:	2222	Source age:	NV003
User id:	DBRANTLE	Date entry:	03/19/2003 00:00:00
Update use:	Not Reported	Date updat:	03/19/2003 00:00:00
Edit statu:	F	Well start:	10/22/2002 00:00:00
Gravel p 1:	78	Gravel p 2:	135
Utm x:	675633.765017		
Utm y:	4013125.19051		

**C23  
WNW  
1/8 - 1/4 Mile  
Higher**

**NV WELLS      NV2000000033450**

Sequence #:	69642	Well log:	88096
App:	Not Reported	Notice of :	46033
Waiver no:	Not Reported	Date log r:	03/19/2003 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	33	Sec quarter:	DD
Legal quarter:	SE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2489013671875
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	KINDER MORGAN ENERGY PARTNERS		
Owner addr:	4915 N SLOAN LN		
Owner no:	RW-09		
Parcel no:	123-33-801-004	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	10/30/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	79
Depth drilled:	135	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	135
Casing diameter:	4		
Casing reduc:	0	Top perf:	80
Bottom perf:	135	Perf interval:	2
Static wl:	95		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	10157	Contract 1:	BOART LONGYEAR
Contract 2:	2640 W 1700 S SALT LAKE CITY UT 84104-4240		
Contract 3:	0		
Driller li:	2222	Source age:	NV003
User id:	DBRANTLE	Date entry:	03/19/2003 00:00:00
Update use:	DBRANTLE	Date updat:	03/19/2003 00:00:00
Edit statu:	F	Well start:	10/28/2002 00:00:00
Gravel p 1:	79	Gravel p 2:	135
Utm x:	675633.765017		
Utm y:	4013125.19051		

**C24  
WNW  
1/8 - 1/4 Mile  
Higher**

**NV WELLS    NV2000000033452**

Sequence #:	69644	Well log:	88098
App:	Not Reported	Notice of :	46033
Waiver no:	Not Reported	Date log r:	03/19/2003 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DD
Legal quarter:	SE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2489013671875
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	KINDER MORGAN ENERGY PARTNERS		
Owner addr:	4915 N SLOAN LN		
Owner no:	RW-12		
Parcel no:	123-33-801-004	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	10/14/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	78
Depth drilled:	135	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	135
Casing diameter:	4		
Casing reduc:	0	Top perf:	80
Bottom perf:	135	Perf interval:	2
Static wl:	95		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	10157	Contract 1:	BOART LONGYEAR
Contract 2:	2640 W 1700 S SALT LAKE CITY UT 84104-4240		
Contract 3:	0		
Driller li:	2222	Source age:	NV003
User id:	DBRANTLE	Date entry:	03/19/2003 00:00:00
Update use:	Not Reported	Date updat:	03/19/2003 00:00:00
Edit statu:	F	Well start:	10/12/2002 00:00:00
Gravel p 1:	78	Gravel p 2:	135
Utm x:	675633.765017		
Utm y:	4013125.19051		

**C25  
WNW  
1/8 - 1/4 Mile  
Higher**

**NV WELLS    NV2000000033454**

Sequence #:	84232	Well log:	93526
App:	Not Reported	Notice of :	26298
Waiver no:	Not Reported	Date log r:	06/24/2004 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DD
Legal quarter:	SE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2489013671875
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	JACKSON, DAVID		
Owner addr:	4915 SLOAN RD		
Owner no:	Not Reported		
Parcel no:	123-33-801-004	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	04/23/2004 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	1

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	103	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	103
Casing diameter:	4.25		
Casing reduc:	0	Top perf:	53
Bottom perf:	103	Perf interval:	1
Static wl:	84		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	51266	Contract 1:	EAGLE DRILLING SERVICES LLC
Contract 2:	7560 W SAHARA AVE STE 101		
Contract 3:	0		
Driller li:	2202	Source age:	NV003
User id:	DBRANTLE	Date entry:	07/13/2004 00:00:00
Update use:	Not Reported	Date updat:	09/28/2004 00:00:00
Edit statu:	F	Well start:	04/22/2004 00:00:00
Gravel p 1:	47	Gravel p 2:	103
Utm x:	675633.765017		
Utm y:	4013125.19051		

**C26  
WNW  
1/8 - 1/4 Mile  
Higher**

**NV WELLS      NV2000000033453**

Sequence #:	69645	Well log:	88099
App:	Not Reported	Notice of :	46033
Waiver no:	Not Reported	Date log r:	03/19/2003 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DD
Legal quarter:	SE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2489013671875
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	KINDER MORGAN ENERGY PARTNERS		
Owner addr:	4915 N SLOAN LN		
Owner no:	RW-11		
Parcel no:	123-33-801-004	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	10/11/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	78
Depth drilled:	135	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	135
Casing diameter:	4		
Casing reduc:	0	Top perf:	80
Bottom perf:	135	Perf interval:	2
Static wl:	95		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	10157	Contract 1:	BOART LONGYEAR
Contract 2:	2640 W 1700 S SALT LAKE CITY UT 84104-4240		
Contract 3:	0		
Driller li:	2222	Source age:	NV003
User id:	DBRANTLE	Date entry:	03/19/2003 00:00:00
Update use:	Not Reported	Date updat:	03/19/2003 00:00:00
Edit statu:	F	Well start:	10/09/2002 00:00:00
Gravel p 1:	78	Gravel p 2:	135
Utm x:	675633.765017		
Utm y:	4013125.19051		

**C27  
WNW  
1/8 - 1/4 Mile  
Higher**

**NV WELLS    NV2000000033449**

Sequence #:	69641	Well log:	88095
App:	Not Reported	Notice of :	46033
Waiver no:	Not Reported	Date log r:	03/19/2003 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DD
Legal quarter:	SE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2489013671875
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	KINDER MORGAN ENERGY PARTNERS		
Owner addr:	4915 N SLOAN LN		
Owner no:	RW-10		
Parcel no:	123-33-801-004	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	10/27/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	78
Depth drilled:	135	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	135
Casing diameter:	4		
Casing reduc:	0	Top perf:	80
Bottom perf:	135	Perf interval:	2
Static wl:	95		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	10157	Contract 1:	BOART LONGYEAR
Contract 2:	2640 W 1700 S SALT LAKE CITY UT 84104-4240		
Contract 3:	0		
Driller li:	2222	Source age:	NV003
User id:	DBRANTLE	Date entry:	03/19/2003 00:00:00
Update use:	DBRANTLE	Date updat:	03/19/2003 00:00:00
Edit statu:	F	Well start:	10/25/2002 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	78	Gravel p 2:	135
Utm x:	675633.765017		
Utm y:	4013125.19051		

**C28  
WNW  
1/8 - 1/4 Mile  
Higher**

**NV WELLS    NV2000000033445**

Sequence #:	45025	Well log:	66462
App:	Not Reported	Notice of :	6240
Waiver no:	Not Reported	Date log r:	01/07/1991 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DD
Legal quarter:	SE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2489013671875
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	01/01/1990 00:00:00	Date cmplt:	Y
Gravel pack:	Y	Depth seal:	69
Depth drilled:	120	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	120
Casing diameter:	2		
Casing reduc:	0	Top perf:	80
Bottom perf:	120	Perf interval:	1
Static wl:	87.3		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	DON WILSON
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV		
Contract 3:	0		
Driller li:	1589	Source age:	NV003
User id:	KCOON	Date entry:	07/08/1997 00:00:00
Update use:	Not Reported	Date updat:	02/02/1998 00:00:00
Edit statu:	F	Well start:	01/01/1990 00:00:00
Gravel p 1:	72	Gravel p 2:	120
Utm x:	675633.765017		
Utm y:	4013125.19051		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**C29**  
**WNW**  
**1/8 - 1/4 Mile**  
**Higher**

**NV WELLS      NV2000000033444**

Sequence #:	45024	Well log:	66461
App:	Not Reported	Notice of :	6241
Waiver no:	Not Reported	Date log r:	01/07/1991 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DD
Legal quarter:	SE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2489013671875
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	12/11/1990 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	70
Depth drilled:	120	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	120
Casing diameter:	2		
Casing reduc:	0	Top perf:	80
Bottom perf:	120	Perf interval:	1
Static wl:	93.8		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	DON WILSON
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV		
Contract 3:	0		
Driller li:	1589	Source age:	NV003
User id:	KCOON	Date entry:	07/08/1997 00:00:00
Update use:	Not Reported	Date updat:	02/02/1998 00:00:00
Edit statu:	F	Well start:	12/11/1990 00:00:00
Gravel p 1:	73	Gravel p 2:	120
Utm x:	675633.765017		
Utm y:	4013125.19051		

**C30**  
**WNW**  
**1/8 - 1/4 Mile**  
**Higher**

**NV WELLS      NV2000000033446**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	45029	Well log:	66466
App:	Not Reported	Notice of :	14408
Waiver no:	MO-2544	Date log r:	04/21/1995 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DD
Legal quarter:	SE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2489013671875
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	TEXACO		
Owner addr:	5049 N SLOAN LN		
Owner no:	TTMW-11		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	02/28/1995 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	68
Depth drilled:	120	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	120
Casing diameter:	2.37		
Casing reduc:	0	Top perf:	70
Bottom perf:	120	Perf interval:	1
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	THOMAS HIGH
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV 89103		
Contract 3:	0		
Driller li:	1869	Source age:	NV003
User id:	KCOON	Date entry:	07/08/1997 00:00:00
Update use:	user15	Date updat:	02/02/1998 00:00:00
Edit statu:	F	Well start:	02/27/1995 00:00:00
Gravel p 1:	68	Gravel p 2:	120
Utm x:	675633.765017		
Utm y:	4013125.19051		

**C31  
WNW  
1/8 - 1/4 Mile  
Higher**

**NV WELLS      NV2000000033448**

Sequence #:	69640	Well log:	88094
App:	Not Reported	Notice of :	46033
Waiver no:	Not Reported	Date log r:	03/19/2003 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	33	Sec quarter:	DD
Legal quarter:	SE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2489013671875
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	KINDER MORGAN ENERGY PARTNERS		
Owner addr:	4915 N SLOAN LN		
Owner no:	MW-23R		
Parcel no:	123-33-801-004	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	11/07/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	79
Depth drilled:	120	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	120
Casing diameter:	4		
Casing reduc:	0	Top perf:	80
Bottom perf:	120	Perf interval:	1
Static wl:	95		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	10157	Contract 1:	BOART LONGYEAR
Contract 2:	2640 W 1700 S SALT LAKE CITY UT 84104-4240		
Contract 3:	0		
Driller li:	2222	Source age:	NV003
User id:	DBRANTLE	Date entry:	03/19/2003 00:00:00
Update use:	DBRANTLE	Date updat:	03/19/2003 00:00:00
Edit statu:	F	Well start:	11/05/2002 00:00:00
Gravel p 1:	79	Gravel p 2:	120
Utm x:	675633.765017		
Utm y:	4013125.19051		

**C32  
WNW  
1/8 - 1/4 Mile  
Higher**

**NV WELLS    NV2000000033447**

Sequence #:	45030	Well log:	66467
App:	Not Reported	Notice of :	14408
Waiver no:	Not Reported	Date log r:	04/21/1995 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DD
Legal quarter:	SE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2489013671875
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	TEXACO		
Owner addr:	5049 N SLOAN LN		
Owner no:	TTMW-13		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	03/02/1995 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	68
Depth drilled:	120	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	120
Casing diameter:	2.37		
Casing reduc:	0	Top perf:	70
Bottom perf:	120	Perf interval:	1
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	THOMAS HIGH
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV 89103		
Contract 3:	0		
Driller li:	1869	Source age:	NV003
User id:	KCOON	Date entry:	07/08/1997 00:00:00
Update use:	user15	Date updat:	02/02/1998 00:00:00
Edit statu:	F	Well start:	03/01/1995 00:00:00
Gravel p 1:	68	Gravel p 2:	120
Utm x:	675633.765017		
Utm y:	4013125.19051		

**33**  
**WSW**  
**1/8 - 1/4 Mile**  
**Lower**

**FED USGS      USGS3098960**

Agency cd:	USGS	Site no:	361449115024501
Site name:	212 S19 E62 33DDD 1	Standard Oil Company	
Latitude:	361449		
Longitude:	1150245	Dec lat:	36.24691492
Dec lon:	-115.04666821	Coor meth:	M
Coor accr:	M	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	32
State:	32	County:	003
Country:	US	Land net:	SESESES33 T19S R62E M
Location map:	LAS VEGAS NE, NV	Map scale:	24000
Altitude:	1897.		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Las Vegas Wash. Nevada. Area = 1860 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19670101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	300	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0  
 Water quality data end date: 0000-00-00  
 Ground water data begin date: 1972-02-22  
 Ground water data count: 11  
 Water quality data begin date: 0000-00-00  
 Water quality data count: 0  
 Ground water data end date: 1982-03-01

Ground-water levels, Number of Measurements: 11

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1982-03-01	97.00				
Note: The site had been pumped recently.					
1981-02-21	93.87		1980-02-23	95.68	
1979-02-26	100.48				
Note: The site had been pumped recently.					
1978-02-27	96.06		1977-03-01	98.45	
1976-03-02	99.47		1975-03-04	99.56	
1974-03-05	98.47		1973-02-20	99.14	
1972-02-22	101.1				

**D34**  
**SE**  
**1/8 - 1/4 Mile**  
**Lower**

**FED USGS      USGS3098952**

Agency cd:	USGS	Site no:	361443115022001
Site name:	212 S20 E62 03BBD 1	USAF Nellis 5	
Latitude:	361443		
Longitude:	1150220	Dec lat:	36.24524843
Dec lon:	-115.03972356	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	32
State:	32	County:	003
Country:	US	Land net:	Not Reported
Location map:	LAS VEGAS NE, NV	Map scale:	24000
Altitude:	Not Reported		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	Not Reported		
Altitude datum:	Not Reported		
Hydrologic:	Las Vegas Wash. Nevada. Area = 1860 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	1941
Date inventoried:	19970717	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	242.	Hole depth:	242.
Source of depth data:	Not Reported		
Project number:	NV00240		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**E35**  
**SW**  
 1/4 - 1/2 Mile  
 Lower

**NV WELLS      NV2000000032948**

Sequence #:	63475	Well log:	84300
App:	Not Reported	Notice of :	21238
Waiver no:	Not Reported	Date log r:	08/22/2001 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	U
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S AIR FORCE		
Owner addr:	4773 N LAS VEGAS BLVD		
Owner no:	06		
Parcel no:	140-04-502-002	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/24/2001 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	19101	Contract 1:	LAYNE CHRISTENSEN CO
Contract 2:	12030 E RIGGS RD CHANDLER AZ 85249		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/25/2001 00:00:00
Update use:	DBRANTLE	Date updat:	10/25/2001 00:00:00
Edit statu:	F	Well start:	03/19/2001 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E36**  
**SW**  
 1/4 - 1/2 Mile  
 Lower

**NV WELLS      NV2000000032947**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	63474	Well log:	84299
App:	Not Reported	Notice of :	21238
Waiver no:	Not Reported	Date log r:	08/22/2001 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	U
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S AIR FORCE		
Owner addr:	4773 N LAS VEGAS BLVD		
Owner no:	05		
Parcel no:	140-04-502-002	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/24/2001 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	19101	Contract 1:	LAYNE CHRISTENSEN CO
Contract 2:	12030 E RIGGS RD CHANDLER AZ 85249		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/25/2001 00:00:00
Update use:	DBRANTLE	Date updat:	10/25/2001 00:00:00
Edit statu:	F	Well start:	03/19/2001 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E37  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032949**

Sequence #:	63476	Well log:	84301
App:	Not Reported	Notice of :	21238
Waiver no:	Not Reported	Date log r:	08/22/2001 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	U
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S AIR FORCE		
Owner addr:	4773 N LAS VEGAS BLVD		
Owner no:	07		
Parcel no:	140-04-502-002	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/24/2001 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	19101	Contract 1:	LAYNE CHRISTENSEN CO
Contract 2:	12030 E RIGGS RD CHANDLER AZ 85249		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/25/2001 00:00:00
Update use:	DBRANTLE	Date updat:	10/25/2001 00:00:00
Edit statu:	F	Well start:	03/19/2001 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E38  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032951**

Sequence #:	63484	Well log:	84309
App:	Not Reported	Notice of :	21240
Waiver no:	Not Reported	Date log r:	09/06/2001 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S AIR FORCE		
Owner addr:	Not Reported		
Owner no:	02		
Parcel no:	140-04-504-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	03/24/2001 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	19101	Contract 1:	LAYNE CHRISTENSEN CO
Contract 2:	12030 E RIGGS RD CHANDLER AZ 85249		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/25/2001 00:00:00
Update use:	DBRANTLE	Date updat:	10/25/2001 00:00:00
Edit statu:	F	Well start:	03/19/2001 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E39  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032950**

Sequence #:	63483	Well log:	84308
App:	Not Reported	Notice of :	21240
Waiver no:	Not Reported	Date log r:	09/06/2001 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S AIR FORCE		
Owner addr:	Not Reported		
Owner no:	01	Subdivisio:	Not Reported
Parcel no:	140-04-504-001	Block no:	Not Reported
Lot no:	Not Reported	Date cmplt:	D
Well finish:	03/24/2001 00:00:00	Depth seal:	0
Gravel pack:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	19101	Contract 1:	LAYNE CHRISTENSEN CO
Contract 2:	12030 E RIGGS RD CHANDLER AZ 85249		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/25/2001 00:00:00
Update use:	DBRANTLE	Date updat:	10/25/2001 00:00:00
Edit statu:	F	Well start:	03/19/2001 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E40  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032946**

Sequence #:	63473	Well log:	84298
App:	Not Reported	Notice of :	21238
Waiver no:	Not Reported	Date log r:	08/22/2001 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	U
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S AIR FORCE		
Owner addr:	4773 N LAS VEGAS BLVD		
Owner no:	04		
Parcel no:	140-04-502-002	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/24/2001 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	19101	Contract 1:	LAYNE CHRISTENSEN CO
Contract 2:	12030 E RIGGS RD CHANDLER AZ 85249		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/25/2001 00:00:00
Update use:	DBRANTLE	Date updat:	10/25/2001 00:00:00
Edit statu:	F	Well start:	03/19/2001 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E41  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032942**

Sequence #:	45142	Well log:	66579
App:	Not Reported	Notice of :	14780
Waiver no:	MO-2562	Date log r:	07/07/1997 00:00:00
Date log 1:	Not Reported	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	NELLIS AFB		
Owner addr:	NELLIS AFB SITE 27		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	04/10/1995 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	107
Depth drilled:	130	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	130
Casing diameter:	2.5		
Casing reduc:	0	Top perf:	110
Bottom perf:	130	Perf interval:	1
Static wl:	127		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	39528	Contract 1:	WEBER ENVIRONMENTAL INC
Contract 2:	115 S WEBER DR STE 1 CHANDLER AZ 85226		
Contract 3:	0		
Driller li:	1910	Source age:	NV003
User id:	KCOON	Date entry:	07/09/1997 00:00:00
Update use:	dsdavis	Date updat:	04/20/1998 00:00:00
Edit statu:	F	Well start:	04/08/1995 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	109	Gravel p 2:	130
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E42  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS    NV2000000032941**

Sequence #:	45139	Well log:	66576
App:	Not Reported	Notice of :	14780
Waiver no:	MO-2562	Date log r:	07/07/1997 00:00:00
Date log 1:	Not Reported	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	NELLIS AFB		
Owner addr:	NELLIS AFB SITE 27		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	04/13/1995 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	125
Depth drilled:	140	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	140
Casing diameter:	2.5		
Casing reduc:	0	Top perf:	130
Bottom perf:	140	Perf interval:	1
Static wl:	129		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	39528	Contract 1:	WEBER ENVIRONMENTAL INC
Contract 2:	115 S WEBER DR STE 1 CHANDLER AZ 85226		
Contract 3:	0		
Driller li:	1910	Source age:	NV003
User id:	KCOON	Date entry:	07/09/1997 00:00:00
Update use:	Not Reported	Date updat:	04/20/1998 00:00:00
Edit statu:	F	Well start:	04/12/1995 00:00:00
Gravel p 1:	128	Gravel p 2:	140
Utm x:	675641.849099		
Utm y:	4012724.58816		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**E43**  
**SW**  
**1/4 - 1/2 Mile**  
**Lower**

**NV WELLS      NV2000000032943**

Sequence #:	63470	Well log:	84295
App:	Not Reported	Notice of :	21238
Waiver no:	Not Reported	Date log r:	08/22/2001 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	U
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S AIR FORCE		
Owner addr:	4773 N LAS VEGAS BLVD		
Owner no:	01		
Parcel no:	140-04-502-002	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/24/2001 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	19101	Contract 1:	LAYNE CHRISTENSEN CO
Contract 2:	12030 E RIGGS RD CHANDLER AZ 85249		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/25/2001 00:00:00
Update use:	DBRANTLE	Date updat:	10/25/2001 00:00:00
Edit statu:	F	Well start:	03/19/2001 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E44**  
**SW**  
**1/4 - 1/2 Mile**  
**Lower**

**NV WELLS      NV2000000032945**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	63472	Well log:	84297
App:	Not Reported	Notice of :	21238
Waiver no:	Not Reported	Date log r:	08/22/2001 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	U
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S AIR FORCE		
Owner addr:	4773 N LAS VEGAS BLVD		
Owner no:	03		
Parcel no:	140-04-502-002	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/24/2001 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	19101	Contract 1:	LAYNE CHRISTENSEN CO
Contract 2:	12030 E RIGGS RD CHANDLER AZ 85249		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/25/2001 00:00:00
Update use:	DBRANTLE	Date updat:	10/25/2001 00:00:00
Edit statu:	F	Well start:	03/19/2001 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E45  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032944**

Sequence #:	63471	Well log:	84296
App:	Not Reported	Notice of :	21238
Waiver no:	Not Reported	Date log r:	08/22/2001 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	U
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S AIR FORCE		
Owner addr:	4773 N LAS VEGAS BLVD		
Owner no:	02		
Parcel no:	140-04-502-002	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/24/2001 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	19101	Contract 1:	LAYNE CHRISTENSEN CO
Contract 2:	12030 E RIGGS RD CHANDLER AZ 85249		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/25/2001 00:00:00
Update use:	DBRANTLE	Date updat:	10/25/2001 00:00:00
Edit statu:	F	Well start:	03/19/2001 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E46  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032952**

Sequence #:	63485	Well log:	84310
App:	Not Reported	Notice of :	21240
Waiver no:	Not Reported	Date log r:	09/06/2001 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S AIR FORCE		
Owner addr:	Not Reported		
Owner no:	03		
Parcel no:	140-04-504-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	03/24/2001 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	19101	Contract 1:	LAYNE CHRISTENSEN CO
Contract 2:	12030 E RIGGS RD CHANDLER AZ 85249		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/25/2001 00:00:00
Update use:	DBRANTLE	Date updat:	10/25/2001 00:00:00
Edit statu:	F	Well start:	03/19/2001 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E47  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032960**

Sequence #:	64023	Well log:	84848
App:	Not Reported	Notice of :	21237
Waiver no:	Not Reported	Date log r:	08/22/2001 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S AIR FORCE		
Owner addr:	NELLIS AFB		
Owner no:	06	Subdivisio:	Not Reported
Parcel no:	140-04-501-001	Block no:	Not Reported
Lot no:	Not Reported	Date cmplt:	D
Well finish:	03/24/2001 00:00:00	Depth seal:	0
Gravel pack:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	19101	Contract 1:	LAYNE CHRISTENSEN CO
Contract 2:	12030 E RIGGS RD CHANDLER AZ 85249		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	12/12/2001 00:00:00
Update use:	DBRANTLE	Date updat:	12/12/2001 00:00:00
Edit statu:	F	Well start:	03/19/2001 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E48  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032959**

Sequence #:	64022	Well log:	84847
App:	Not Reported	Notice of :	21237
Waiver no:	Not Reported	Date log r:	08/22/2001 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S AIR FORCE		
Owner addr:	NELLIS AFB		
Owner no:	05		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/24/2001 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	19101	Contract 1:	LAYNE CHRISTENSEN CO
Contract 2:	12030 E RIGGS RD CHANDLER AZ 85249		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	12/12/2001 00:00:00
Update use:	DBRANTLE	Date updat:	12/12/2001 00:00:00
Edit statu:	F	Well start:	03/19/2001 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E49  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032961**

Sequence #:	64024	Well log:	84849
App:	Not Reported	Notice of :	21237
Waiver no:	Not Reported	Date log r:	08/22/2001 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S AIR FORCE		
Owner addr:	NELLIS AFB		
Owner no:	07		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/24/2001 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	19101	Contract 1:	LAYNE CHRISTENSEN CO
Contract 2:	12030 E RIGGS RD CHANDLER AZ 85249		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	12/12/2001 00:00:00
Update use:	DBRANTLE	Date updat:	12/12/2001 00:00:00
Edit statu:	F	Well start:	03/19/2001 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	0	Gravel p 2:	0
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E50  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS    NV2000000032963**

Sequence #:	67174	Well log:	86875
App:	Not Reported	Notice of :	23506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	Not Reported		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/26/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6
Depth drilled:	75	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	70
Casing diameter:	2		
Casing reduc:	0	Top perf:	10
Bottom perf:	75	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	09/25/2002 00:00:00
Update use:	Not Reported	Date updat:	11/22/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00
Gravel p 1:	9	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**E51**  
**SW**  
**1/4 - 1/2 Mile**  
**Lower**

**NV WELLS      NV2000000032962**

Sequence #:	67173	Well log:	86874
App:	Not Reported	Notice of :	23506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	Not Reported		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/26/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6
Depth drilled:	45	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	40
Casing diameter:	2		
Casing reduc:	0	Top perf:	10
Bottom perf:	40	Perf interval:	1
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	09/25/2002 00:00:00
Update use:	DBRANTLE	Date updat:	11/22/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00
Gravel p 1:	9	Gravel p 2:	45
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E52**  
**SW**  
**1/4 - 1/2 Mile**  
**Lower**

**NV WELLS      NV2000000032958**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	64021	Well log:	84846
App:	Not Reported	Notice of :	21237
Waiver no:	Not Reported	Date log r:	08/22/2001 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S AIR FORCE		
Owner addr:	NELLIS AFB		
Owner no:	04		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/24/2001 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	19101	Contract 1:	LAYNE CHRISTENSEN CO
Contract 2:	12030 E RIGGS RD CHANDLER AZ 85249		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	12/12/2001 00:00:00
Update use:	DBRANTLE	Date updat:	12/12/2001 00:00:00
Edit statu:	F	Well start:	03/19/2001 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E53  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032954**

Sequence #:	64017	Well log:	84842
App:	Not Reported	Notice of :	21242
Waiver no:	Not Reported	Date log r:	08/22/2001 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	U
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S AIR FORCE		
Owner addr:	400 FT NW OF STE 27 NELLIS AFB		
Owner no:	Not Reported		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/25/2001 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	50
Depth drilled:	95	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	95
Casing diameter:	6		
Casing reduc:	0	Top perf:	60
Bottom perf:	90	Perf interval:	1
Static wl:	18		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	19101	Contract 1:	LAYNE CHRISTENSEN CO
Contract 2:	12030 E RIGGS RD CHANDLER AZ 85249		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	12/12/2001 00:00:00
Update use:	DBRANTLE	Date updat:	12/12/2001 00:00:00
Edit statu:	F	Well start:	03/24/2001 00:00:00
Gravel p 1:	58	Gravel p 2:	95
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E54  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032953**

Sequence #:	64016	Well log:	84841
App:	Not Reported	Notice of :	21242
Waiver no:	Not Reported	Date log r:	08/22/2001 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	U
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S AIR FORCE		
Owner addr:	400 FT NW OF STE 27 NELLIS AFB		
Owner no:	Not Reported		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	03/26/2001 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	50
Depth drilled:	95	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	95
Casing diameter:	6		
Casing reduc:	0	Top perf:	60
Bottom perf:	90	Perf interval:	1
Static wl:	18		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	19101	Contract 1:	LAYNE CHRISTENSEN CO
Contract 2:	12030 E RIGGS RD CHANDLER AZ 85249		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	12/12/2001 00:00:00
Update use:	DBRANTLE	Date updat:	12/12/2001 00:00:00
Edit statu:	F	Well start:	03/25/2001 00:00:00
Gravel p 1:	60	Gravel p 2:	95
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E55  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032955**

Sequence #:	64018	Well log:	84843
App:	Not Reported	Notice of :	21237
Waiver no:	Not Reported	Date log r:	08/22/2001 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S AIR FORCE		
Owner addr:	NELLIS AFB		
Owner no:	01	Subdivisio:	Not Reported
Parcel no:	140-04-501-001	Block no:	Not Reported
Lot no:	Not Reported	Date cmplt:	D
Well finish:	03/24/2001 00:00:00	Depth seal:	0
Gravel pack:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	19101	Contract 1:	LAYNE CHRISTENSEN CO
Contract 2:	12030 E RIGGS RD CHANDLER AZ 85249		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	12/12/2001 00:00:00
Update use:	DBRANTLE	Date updat:	12/12/2001 00:00:00
Edit statu:	F	Well start:	03/19/2001 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E56  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032957**

Sequence #:	64020	Well log:	84845
App:	Not Reported	Notice of :	21237
Waiver no:	Not Reported	Date log r:	08/22/2001 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S AIR FORCE		
Owner addr:	NELLIS AFB		
Owner no:	03		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/24/2001 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	19101	Contract 1:	LAYNE CHRISTENSEN CO
Contract 2:	12030 E RIGGS RD CHANDLER AZ 85249		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	12/12/2001 00:00:00
Update use:	DBRANTLE	Date updat:	12/12/2001 00:00:00
Edit statu:	F	Well start:	03/19/2001 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E57  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS    NV2000000032956**

Sequence #:	64019	Well log:	84844
App:	Not Reported	Notice of :	21237
Waiver no:	Not Reported	Date log r:	08/22/2001 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S AIR FORCE		
Owner addr:	NELLIS AFB		
Owner no:	02		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/24/2001 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	19101	Contract 1:	LAYNE CHRISTENSEN CO
Contract 2:	12030 E RIGGS RD CHANDLER AZ 85249		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	12/12/2001 00:00:00
Update use:	DBRANTLE	Date updat:	12/12/2001 00:00:00
Edit statu:	F	Well start:	03/19/2001 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	0	Gravel p 2:	0
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E58  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS    NV2000000032940**

Sequence #:	15914	Well log:	40177
App:	Not Reported	Notice of :	12290
Waiver no:	Not Reported	Date log r:	06/18/1990 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S ARMY		
Owner addr:	NELLIS AFB		
Owner no:	MW-026C		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	04/11/1990 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	80
Depth drilled:	127	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	124
Casing diameter:	2		
Casing reduc:	0	Top perf:	104
Bottom perf:	124	Perf interval:	1
Static wl:	78		
Temperature:	71		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	H-F DRILLING INC
Contract 2:	1456B S MANHATN FULLERTON CA		
Contract 3:	1614		
Driller li:	1614	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	04/06/1990 00:00:00
Gravel p 1:	100	Gravel p 2:	127
Utm x:	675641.849099		
Utm y:	4012724.58816		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**E59**  
**SW**  
**1/4 - 1/2 Mile**  
**Lower**

**NV WELLS      NV2000000032924**

Sequence #:	11140	Well log:	35403
App:	Not Reported	Notice of :	8185
Waiver no:	MO-2057	Date log r:	07/19/1991 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	Z
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	T F W C		
Owner addr:	RANGE RD & LAS VEGAS BLVD		
Owner no:	EW-03		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	06/18/1991 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	56
Depth drilled:	100	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	98
Casing diameter:	6		
Casing reduc:	0	Top perf:	65
Bottom perf:	95	Perf interval:	1
Static wl:	80		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	DRILLING METHOD=HOLLOW		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	JOHN F OLENSKI
Contract 2:	8646 BEAUXART CIR SACRAMENTO CA		
Contract 3:	0		
Driller li:	1656	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/13/1998 00:00:00
Edit statu:	F	Well start:	06/13/1991 00:00:00
Gravel p 1:	59	Gravel p 2:	100
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E60**  
**SW**  
**1/4 - 1/2 Mile**  
**Lower**

**NV WELLS      NV2000000032923**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	9754	Well log:	34026
App:	Not Reported	Notice of :	12288
Waiver no:	Not Reported	Date log r:	08/09/1990 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S ARMY		
Owner addr:	Not Reported		
Owner no:	MW-028C		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	04/09/1990 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	90
Depth drilled:	127	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	126
Casing diameter:	4		
Casing reduc:	0	Top perf:	106
Bottom perf:	126	Perf interval:	1
Static wl:	79		
Temperature:	73		
Yield:	10		
Drawdown:	31.6		
Hours pump:	2		
Test method:	C	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	H-F DRILLING INC
Contract 2:	1456B MANHATTAN FULLERTON NV		
Contract 3:	1614		
Driller li:	1614	Source age:	NV003
User id:	AVTYPER	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	04/21/1990 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E61  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032925**

Sequence #:	11141	Well log:	35404
App:	Not Reported	Notice of :	8185
Waiver no:	Not Reported	Date log r:	07/19/1991 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	U
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	T F W C		
Owner addr:	RANGE RD & LAS VEGAS BLVD		
Owner no:	EW-01		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	06/13/1991 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	59
Depth drilled:	100	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	100
Casing diameter:	6		
Casing reduc:	0	Top perf:	67
Bottom perf:	100	Perf interval:	1
Static wl:	76		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	JOHN F OLENSKI
Contract 2:	8646 BEAUXART CIR SACRAMENTO CA		
Contract 3:	0		
Driller li:	1656	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	06/04/1991 00:00:00
Gravel p 1:	62	Gravel p 2:	100
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E62  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032927**

Sequence #:	11349	Well log:	35612
App:	Not Reported	Notice of :	8185
Waiver no:	MO-2057	Date log r:	07/19/1991 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	Z
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	T F W C		
Owner addr:	RANGE RD & LV BLVD LV NV		
Owner no:	EW-02		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	06/27/1991 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	56
Depth drilled:	100	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	98
Casing diameter:	6		
Casing reduc:	0	Top perf:	65
Bottom perf:	95	Perf interval:	1
Static wl:	80		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	DRILLING METHOD=HOLLOW		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	JOHN F OLENSKI
Contract 2:	8646 BEAUXART CIR SAC CA		
Contract 3:	0		
Driller li:	1656	Source age:	NV003
User id:	RJMATHIS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	06/04/1991 00:00:00
Gravel p 1:	59	Gravel p 2:	100
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E63  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032926**

Sequence #:	11348	Well log:	35611
App:	Not Reported	Notice of :	8195
Waiver no:	MO-2069	Date log r:	08/01/1991 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	Z
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	T F W C		
Owner addr:	RANGE RD & LV BLVD LV NV		
Owner no:	MW-035R		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	06/27/1991 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	60

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	98	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	97
Casing diameter:	4		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	74		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	DRILLING METHOD=HOLLOW		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	JOHN F OLENSKI
Contract 2:	8646 BEAUXART CIR SAC CA		
Contract 3:	0		
Driller li:	1656	Source age:	NV003
User id:	RJMATHIS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	06/24/1991 00:00:00
Gravel p 1:	63	Gravel p 2:	98
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E64  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032922**

Sequence #:	9753	Well log:	34025
App:	Not Reported	Notice of :	12289
Waiver no:	Not Reported	Date log r:	08/09/1990 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S ARMY		
Owner addr:	NELLIS AFB		
Owner no:	OS-01		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	04/22/1990 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	98
Depth drilled:	128	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	126
Casing diameter:	2		
Casing reduc:	0	Top perf:	106
Bottom perf:	126	Perf interval:	1
Static wl:	79		
Temperature:	72		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	H-F DRILLING INC
Contract 2:	1456B MANHATTAN FULLERTON NV		
Contract 3:	1614		
Driller li:	1614	Source age:	NV003
User id:	AVTYPER	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	04/21/1990 00:00:00
Gravel p 1:	104	Gravel p 2:	128
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E65  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032918**

Sequence #:	7180	Well log:	31530
App:	Not Reported	Notice of :	0
Waiver no:	Not Reported	Date log r:	05/04/1989 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	NELLIS AFB		
Owner addr:	FACILITY 1014		
Owner no:	MW-028		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	02/16/1989 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	44
Depth drilled:	97	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	97
Casing diameter:	2		
Casing reduc:	0	Top perf:	63
Bottom perf:	97	Perf interval:	1
Static wl:	79.8		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	F		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	H-F DRILLING INC
Contract 2:	1456B S MANHATTAN FULLERTON CA		
Contract 3:	0		
Driller li:	1614	Source age:	NV003
User id:	NAFLECKS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	02/16/1989 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	53	Gravel p 2:	97
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E66  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS    NV2000000032917**

Sequence #:	7179	Well log:	31529
App:	Not Reported	Notice of :	0
Waiver no:	Not Reported	Date log r:	05/04/1989 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	NELLIS AFB		
Owner addr:	FACILITY 1014		
Owner no:	MW-026		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	02/15/1989 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	49
Depth drilled:	95	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	95
Casing diameter:	2		
Casing reduc:	0	Top perf:	65
Bottom perf:	95	Perf interval:	1
Static wl:	82		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	F		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	H-F DRILLING INC
Contract 2:	1456B S MANHATTAN FULLERTON CA		
Contract 3:	0		
Driller li:	1614	Source age:	NV003
User id:	NAFLECKS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	02/15/1989 00:00:00
Gravel p 1:	55	Gravel p 2:	95
Utm x:	675641.849099		
Utm y:	4012724.58816		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**E67**  
**SW**  
**1/4 - 1/2 Mile**  
**Lower**

**NV WELLS      NV2000000032919**

Sequence #:	7181	Well log:	31531
App:	Not Reported	Notice of :	0
Waiver no:	Not Reported	Date log r:	05/04/1989 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	NELLIS AFB		
Owner addr:	FACILITY 1014		
Owner no:	MW-027		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	02/16/1989 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	50
Depth drilled:	95	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	95
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	83.4		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	H-F DRILLING INC
Contract 2:	1456B S MANHATTAN FULLERTON CA		
Contract 3:	0		
Driller li:	1614	Source age:	NV003
User id:	NAFLECKS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	02/16/1989 00:00:00
Gravel p 1:	55	Gravel p 2:	95
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E68**  
**SW**  
**1/4 - 1/2 Mile**  
**Lower**

**NV WELLS      NV2000000032921**

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	7184	Well log:	31534
App:	Not Reported	Notice of :	0
Waiver no:	Not Reported	Date log r:	05/04/1989 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	NELLIS AFB		
Owner addr:	FACILITY 1014		
Owner no:	MW-025		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	02/14/1989 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	55
Depth drilled:	101	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	100
Casing diameter:	2		
Casing reduc:	0	Top perf:	70
Bottom perf:	100	Perf interval:	1
Static wl:	82.4		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	H-F DRILLING INC
Contract 2:	1456B S MANHATTAN FULLERTON CA		
Contract 3:	0		
Driller li:	1614	Source age:	NV003
User id:	NAFLECKS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	02/14/1989 00:00:00
Gravel p 1:	60	Gravel p 2:	101
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E69  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032920**

Sequence #:	7182	Well log:	31532
App:	Not Reported	Notice of :	0
Waiver no:	Not Reported	Date log r:	05/04/1989 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	NELLIS AFB		
Owner addr:	FACILITY 1014		
Owner no:	MW-024		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	02/12/1989 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	50
Depth drilled:	100	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	95
Casing diameter:	2		
Casing reduc:	0	Top perf:	65
Bottom perf:	95	Perf interval:	1
Static wl:	76.7		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	H-F DRILLING INC
Contract 2:	1456B S MANHATTAN FULLERTON CA		
Contract 3:	0		
Driller li:	1614	Source age:	NV003
User id:	NAFLECKS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	02/11/1989 00:00:00
Gravel p 1:	55	Gravel p 2:	100
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E70  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032928**

Sequence #:	11350	Well log:	35613
App:	Not Reported	Notice of :	8187
Waiver no:	MO-2057	Date log r:	08/01/1991 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	Z
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	T F W C		
Owner addr:	RANGE RD & LAS VEGAS BLVD		
Owner no:	EW-05		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	07/08/1991 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	55
Depth drilled:	100	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	98
Casing diameter:	6		
Casing reduc:	0	Top perf:	65
Bottom perf:	95	Perf interval:	1
Static wl:	79		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	DRILLING METHOD=HOLLOW		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	JOHN F OLENSKI
Contract 2:	8646 BEAUXART CIR SAC CA		
Contract 3:	0		
Driller li:	1656	Source age:	NV003
User id:	RJMATHIS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	07/02/1991 00:00:00
Gravel p 1:	60	Gravel p 2:	100
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E71  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032936**

Sequence #:	12667	Well log:	36930
App:	Not Reported	Notice of :	12286
Waiver no:	Not Reported	Date log r:	05/31/1990 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S ARMY		
Owner addr:	NELLIS AFB		
Owner no:	MW-039		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	04/05/1990 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	46

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	97	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	95
Casing diameter:	4		
Casing reduc:	0	Top perf:	65
Bottom perf:	95	Perf interval:	1
Static wl:	79		
Temperature:	75		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	H-F DRILLING INC
Contract 2:	1456B S MANHATTN FULLERTON CA		
Contract 3:	1614		
Driller li:	1614	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	04/05/1990 00:00:00
Gravel p 1:	63	Gravel p 2:	97
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E72  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032935**

Sequence #:	12666	Well log:	36929
App:	Not Reported	Notice of :	12285
Waiver no:	Not Reported	Date log r:	05/31/1990 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S ARMY		
Owner addr:	NELLIS AFB		
Owner no:	MW-038		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	04/04/1990 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	54
Depth drilled:	96	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	94
Casing diameter:	4		
Casing reduc:	0	Top perf:	64
Bottom perf:	94	Perf interval:	1
Static wl:	76		
Temperature:	69		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	H-F DRILLING INC
Contract 2:	1456B S MANHATTN FULLERTON CA		
Contract 3:	1614		
Driller li:	1614	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	04/04/1990 00:00:00
Gravel p 1:	59	Gravel p 2:	96
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E73  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032937**

Sequence #:	15911	Well log:	40174
App:	Not Reported	Notice of :	6290
Waiver no:	Not Reported	Date log r:	06/18/1990 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S ARMY		
Owner addr:	NELLIS AFB		
Owner no:	MW-42		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	05/10/1990 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	62
Depth drilled:	102	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	102
Casing diameter:	4		
Casing reduc:	0	Top perf:	71
Bottom perf:	101	Perf interval:	1
Static wl:	83		
Temperature:	71		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	H-F DRILLING INC
Contract 2:	1456B S MANHATN FULLERTON CA		
Contract 3:	1614		
Driller li:	1614	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	05/10/1990 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	67	Gravel p 2:	102
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E74  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS    NV2000000032939**

Sequence #:	15913	Well log:	40176
App:	Not Reported	Notice of :	12287
Waiver no:	Not Reported	Date log r:	06/18/1990 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S ARMY		
Owner addr:	NELLIS AFB		
Owner no:	MW-040		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	04/10/1990 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	55
Depth drilled:	98	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	97
Casing diameter:	4		
Casing reduc:	0	Top perf:	67
Bottom perf:	97	Perf interval:	1
Static wl:	83		
Temperature:	66		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	H-F DRILLING INC
Contract 2:	1456B S MANHATN FULLERTON CA		
Contract 3:	1614		
Driller li:	1614	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	04/10/1990 00:00:00
Gravel p 1:	62	Gravel p 2:	98
Utm x:	675641.849099		
Utm y:	4012724.58816		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**E75**  
**SW**  
 1/4 - 1/2 Mile  
 Lower

**NV WELLS      NV2000000032938**

Sequence #:	15912	Well log:	40175
App:	Not Reported	Notice of :	6291
Waiver no:	Not Reported	Date log r:	06/18/1990 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S ARMY		
Owner addr:	NELLIS AFB		
Owner no:	MW-041		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	05/09/1990 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	53
Depth drilled:	101	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	101
Casing diameter:	4		
Casing reduc:	0	Top perf:	71
Bottom perf:	101	Perf interval:	1
Static wl:	85		
Temperature:	71		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	H-F DRILLING INC
Contract 2:	1456B S MANHATN FULLERTON CA		
Contract 3:	1614		
Driller li:	1614	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	05/09/1990 00:00:00
Gravel p 1:	71	Gravel p 2:	101
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E76**  
**SW**  
 1/4 - 1/2 Mile  
 Lower

**NV WELLS      NV2000000032934**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	12665	Well log:	36928
App:	Not Reported	Notice of :	12284
Waiver no:	Not Reported	Date log r:	05/31/1990 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S ARMY		
Owner addr:	NELLIS AFB		
Owner no:	MW-037		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	04/03/1990 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	56
Depth drilled:	102	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	99
Casing diameter:	4		
Casing reduc:	0	Top perf:	69
Bottom perf:	99	Perf interval:	1
Static wl:	81		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	H-F DRILLING INC
Contract 2:	1456B S MANHATTN FULLERTON CA		
Contract 3:	1614		
Driller li:	1614	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	04/02/1990 00:00:00
Gravel p 1:	64	Gravel p 2:	102
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E77  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032930**

Sequence #:	11352	Well log:	35615
App:	Not Reported	Notice of :	8291
Waiver no:	MO-2069	Date log r:	09/17/1991 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	Z
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	T F W C		
Owner addr:	NELLIS AFB		
Owner no:	MW-064		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	08/19/1991 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	63
Depth drilled:	105	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	100
Casing diameter:	4		
Casing reduc:	0	Top perf:	70
Bottom perf:	100	Perf interval:	1
Static wl:	81		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	DRILLING METHOD=HOLLOW		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	JOHN F OLENSKI
Contract 2:	8646 BEAUXART CIR SAC CA		
Contract 3:	0		
Driller li:	1656	Source age:	NV003
User id:	RJMATHIS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	08/17/1991 00:00:00
Gravel p 1:	65	Gravel p 2:	105
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E78**  
**SW**  
**1/4 - 1/2 Mile**  
**Lower**

**NV WELLS      NV2000000032929**

Sequence #:	11351	Well log:	35614
App:	Not Reported	Notice of :	8190
Waiver no:	MO-2057	Date log r:	08/01/1991 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	Z
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	T F W C		
Owner addr:	RANGE RD & LAS VEGAS BLVD		
Owner no:	EW-04		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	06/27/1991 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	55
Depth drilled:	100	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	98
Casing diameter:	6		
Casing reduc:	0	Top perf:	65
Bottom perf:	95	Perf interval:	1
Static wl:	75		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	DRILLING METHOD=HOLLOW		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	JOHN F OLENSKI
Contract 2:	8646 BEAUXART CIR SAC CA		
Contract 3:	0		
Driller li:	1656	Source age:	NV003
User id:	RJMATHIS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	06/19/1991 00:00:00
Gravel p 1:	60	Gravel p 2:	100
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E79  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032931**

Sequence #:	11353	Well log:	35616
App:	Not Reported	Notice of :	8292
Waiver no:	MO-2069	Date log r:	09/17/1991 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	Z
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	T F W C		
Owner addr:	N ELEC SUBSTN NELLIS AFB		
Owner no:	MW-063		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	08/16/1991 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	62

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	101	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	100
Casing diameter:	4		
Casing reduc:	0	Top perf:	70
Bottom perf:	100	Perf interval:	1
Static wl:	77		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	DRILLING METHOD=HOLLOW		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	JOHN F OLENSKI
Contract 2:	8646 BEAUXART CIR SAC CA		
Contract 3:	0		
Driller li:	1656	Source age:	NV003
User id:	RJMATHIS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	08/14/1991 00:00:00
Gravel p 1:	65	Gravel p 2:	101
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E80  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032933**

Sequence #:	12207	Well log:	36470
App:	Not Reported	Notice of :	8294
Waiver no:	MO-2069	Date log r:	11/25/1991 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	U
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	T F W C		
Owner addr:	RANGE RD & N LV BLVD		
Owner no:	OW-66		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	10/05/1991 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	73
Depth drilled:	109	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	106
Casing diameter:	2		
Casing reduc:	0	Top perf:	76
Bottom perf:	106	Perf interval:	1
Static wl:	84		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	7055A	Contract 1:	BEYLIK DRILLING INC
Contract 2:	3000 W MACARTHUR BLVD STE 660 SANTA ANA CA 92704		
Contract 3:	0		
Driller li:	1656	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	10/03/1991 00:00:00
Gravel p 1:	73	Gravel p 2:	109
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E81  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032932**

Sequence #:	12206	Well log:	36469
App:	Not Reported	Notice of :	8293
Waiver no:	MO-2069	Date log r:	11/25/1991 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	U
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	T F W C		
Owner addr:	RANGE RD & N LV BLVD		
Owner no:	OW-65		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	10/03/1991 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	67
Depth drilled:	105	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	104
Casing diameter:	2		
Casing reduc:	0	Top perf:	74
Bottom perf:	104	Perf interval:	1
Static wl:	82		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	7055A	Contract 1:	BEYLIK DRILLING INC
Contract 2:	3000 W MACARTHUR BLVD STE 660 SANTA ANA CA 92704		
Contract 3:	0		
Driller li:	1656	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	10/01/1991 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	70	Gravel p 2:	105
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E82  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS    NV2000000032964**

Sequence #:	67198	Well log:	86899
App:	Not Reported	Notice of :	21238
Waiver no:	Not Reported	Date log r:	06/27/2002 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	NELLIS AFB		
Owner addr:	Not Reported		
Owner no:	Not Reported		
Parcel no:	140-04-502-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/22/2001 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	35	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	35
Casing diameter:	0		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	19101	Contract 1:	LAYNE CHRISTENSEN CO
Contract 2:	12030 E RIGGS RD CHANDLER AZ 85249		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	09/25/2002 00:00:00
Update use:	Not Reported	Date updat:	04/09/2003 00:00:00
Edit statu:	F	Well start:	03/22/2001 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	675641.849099		
Utm y:	4012724.58816		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**E83**  
**SW**  
 1/4 - 1/2 Mile  
 Lower

**NV WELLS      NV2000000032996**

Sequence #:	67596	Well log:	87111
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	33		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/26/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6
Depth drilled:	75	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	75
Casing diameter:	2		
Casing reduc:	0	Top perf:	10
Bottom perf:	75	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00
Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E84**  
**SW**  
 1/4 - 1/2 Mile  
 Lower

**NV WELLS      NV2000000032995**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	67595	Well log:	87110
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	32		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/26/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6
Depth drilled:	75	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	75
Casing diameter:	2		
Casing reduc:	0	Top perf:	10
Bottom perf:	75	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00
Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E85  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032997**

Sequence #:	67597	Well log:	87112
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	34		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/26/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6
Depth drilled:	75	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	75
Casing diameter:	2		
Casing reduc:	0	Top perf:	10
Bottom perf:	75	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00
Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E86  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032999**

Sequence #:	67599	Well log:	87114
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	36		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	07/26/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6
Depth drilled:	75	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	75
Casing diameter:	2		
Casing reduc:	0	Top perf:	10
Bottom perf:	75	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00
Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E87  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032998**

Sequence #:	67598	Well log:	87113
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	35		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/26/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	75	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	75
Casing diameter:	2		
Casing reduc:	0	Top perf:	10
Bottom perf:	75	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00
Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E88  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032994**

Sequence #:	67594	Well log:	87109
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	31		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/26/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6
Depth drilled:	75	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	75
Casing diameter:	2		
Casing reduc:	0	Top perf:	10
Bottom perf:	75	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00
Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E89  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS    NV2000000032990**

Sequence #:	67590	Well log:	87105
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	27		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/26/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6
Depth drilled:	75	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	75
Casing diameter:	2		
Casing reduc:	0	Top perf:	10
Bottom perf:	75	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E90  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS    NV2000000032989**

Sequence #:	67589	Well log:	87104
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	26		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/26/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6
Depth drilled:	75	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	75
Casing diameter:	2		
Casing reduc:	0	Top perf:	10
Bottom perf:	75	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00
Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**E91**  
**SW**  
**1/4 - 1/2 Mile**  
**Lower**

**NV WELLS      NV2000000032991**

Sequence #:	67591	Well log:	87106
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	28		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/26/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6
Depth drilled:	75	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	75
Casing diameter:	2		
Casing reduc:	0	Top perf:	10
Bottom perf:	75	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00
Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E92**  
**SW**  
**1/4 - 1/2 Mile**  
**Lower**

**NV WELLS      NV2000000032993**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	67593	Well log:	87108
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	30		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/26/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6
Depth drilled:	75	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	75
Casing diameter:	2		
Casing reduc:	0	Top perf:	10
Bottom perf:	75	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00
Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E93  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032992**

Sequence #:	67592	Well log:	87107
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	29		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/26/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6
Depth drilled:	75	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	75
Casing diameter:	2		
Casing reduc:	0	Top perf:	10
Bottom perf:	75	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00
Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E94  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000033000**

Sequence #:	67600	Well log:	87115
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	37		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	07/26/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6
Depth drilled:	75	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	75
Casing diameter:	2		
Casing reduc:	0	Top perf:	10
Bottom perf:	75	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00
Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E95  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000033008**

Sequence #:	68841	Well log:	87493
App:	Not Reported	Notice of :	21230
Waiver no:	Not Reported	Date log r:	01/16/2003 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	NELLIS AFB		
Owner addr:	Not Reported		
Owner no:	Not Reported		
Parcel no:	140-04-502-002	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	08/20/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	55

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	90	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	90
Casing diameter:	6		
Casing reduc:	0	Top perf:	60
Bottom perf:	90	Perf interval:	1
Static wl:	70		
Temperature:	78		
Yield:	20		
Drawdown:	3		
Hours pump:	1		
Test method:	A	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	12852	Contract 1:	WATER DEVELOPMENT CORP (THE)
Contract 2:	1202 E KENTUCKY AVE WOODLAND CA 95776		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	01/21/2003 00:00:00
Update use:	Not Reported	Date updat:	03/03/2003 00:00:00
Edit statu:	F	Well start:	08/20/2002 00:00:00
Gravel p 1:	58	Gravel p 2:	90
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E96  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000033007**

Sequence #:	68840	Well log:	87492
App:	Not Reported	Notice of :	21230
Waiver no:	Not Reported	Date log r:	01/16/2003 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	NELLIS AFB		
Owner addr:	Not Reported		
Owner no:	Not Reported		
Parcel no:	140-04-502-002	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	08/22/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	55
Depth drilled:	90	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	90
Casing diameter:	6		
Casing reduc:	0	Top perf:	60
Bottom perf:	90	Perf interval:	1
Static wl:	69		
Temperature:	78		
Yield:	20		
Drawdown:	3.25		
Hours pump:	1		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	U	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	12852	Contract 1:	WATER DEVELOPMENT CORP (THE)
Contract 2:	1202 E KENTUCKY AVE WOODLAND CA 95776		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	01/21/2003 00:00:00
Update use:	Not Reported	Date updat:	03/03/2003 00:00:00
Edit statu:	F	Well start:	08/22/2002 00:00:00
Gravel p 1:	58	Gravel p 2:	90
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E97  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000033009**

Sequence #:	68842	Well log:	87494
App:	Not Reported	Notice of :	21230
Waiver no:	Not Reported	Date log r:	01/16/2003 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	NELLIS AFB		
Owner addr:	Not Reported		
Owner no:	Not Reported		
Parcel no:	140-04-502-002	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	08/29/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	55
Depth drilled:	90	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	90
Casing diameter:	6		
Casing reduc:	0	Top perf:	60
Bottom perf:	90	Perf interval:	1
Static wl:	67		
Temperature:	78		
Yield:	20		
Drawdown:	3		
Hours pump:	1		
Test method:	A	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	12852	Contract 1:	WATER DEVELOPMENT CORP (THE)
Contract 2:	1202 E KENTUCKY AVE WOODLAND CA 95776		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	01/21/2003 00:00:00
Update use:	Not Reported	Date updat:	03/03/2003 00:00:00
Edit statu:	F	Well start:	08/28/2002 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	58	Gravel p 2:	90
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E98  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000033011**

Sequence #:	96636	Well log:	97392
App:	Not Reported	Notice of :	11121
Waiver no:	Not Reported	Date log r:	08/22/2005 00:00:00
Date log 1:	Not Reported	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	Not Reported
Lat long acc:	M		
Owner current:	NELLIS AIRFORCE BASE		
Owner addr:	Not Reported		
Owner no:	MW-13		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/08/1991 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	110	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	0		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	1
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	OLENSKI
Contract 2:	SACRAMENTO CA		
Contract 3:	0		
Driller li:	1656	Source age:	NV003
User id:	MTHORSON	Date entry:	08/26/2005 00:00:00
Update use:	Not Reported	Date updat:	09/28/2005 00:00:00
Edit statu:	F	Well start:	07/07/1991 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	675641.849099		
Utm y:	4012724.58816		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**E99**  
**SW**  
**1/4 - 1/2 Mile**  
**Lower**

**NV WELLS      NV2000000033010**

Sequence #:	68843	Well log:	87495
App:	Not Reported	Notice of :	21230
Waiver no:	Not Reported	Date log r:	01/16/2003 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	NELLIS AFB		
Owner addr:	Not Reported		
Owner no:	Not Reported		
Parcel no:	140-04-502-002	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	08/23/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	55
Depth drilled:	90	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	90
Casing diameter:	6		
Casing reduc:	0	Top perf:	60
Bottom perf:	90	Perf interval:	1
Static wl:	69		
Temperature:	77		
Yield:	20		
Drawdown:	3.5		
Hours pump:	1		
Test method:	A	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	12852	Contract 1:	WATER DEVELOPMENT CORP (THE)
Contract 2:	1202 E KENTUCKY AVE WOODLAND CA 95776		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	01/21/2003 00:00:00
Update use:	Not Reported	Date updat:	03/03/2003 00:00:00
Edit statu:	F	Well start:	08/23/2002 00:00:00
Gravel p 1:	58	Gravel p 2:	90
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E100**  
**SW**  
**1/4 - 1/2 Mile**  
**Lower**

**NV WELLS      NV2000000033006**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	68839	Well log:	87491
App:	Not Reported	Notice of :	21230
Waiver no:	Not Reported	Date log r:	01/16/2003 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	NELLIS AFB		
Owner addr:	Not Reported		
Owner no:	Not Reported		
Parcel no:	140-04-502-002	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	08/21/2002 00:00:00	Date cmplt:	M
Gravel pack:	Y	Depth seal:	55
Depth drilled:	90	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	90
Casing diameter:	6		
Casing reduc:	0	Top perf:	60
Bottom perf:	90	Perf interval:	1
Static wl:	70		
Temperature:	0		
Yield:	20		
Drawdown:	4		
Hours pump:	1		
Test method:	U	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	12852	Contract 1:	WATER DEVELOPMENT CORP (THE)
Contract 2:	1202 E KENTUCKY AVE WOODLAND CA 95776		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	01/21/2003 00:00:00
Update use:	Not Reported	Date updat:	03/03/2003 00:00:00
Edit statu:	F	Well start:	08/21/2002 00:00:00
Gravel p 1:	58	Gravel p 2:	90
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E101  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000033002**

Sequence #:	67602	Well log:	87117
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	39		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/26/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6
Depth drilled:	75	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	75
Casing diameter:	2		
Casing reduc:	0	Top perf:	10
Bottom perf:	75	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00
Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E102**  
**SW**  
**1/4 - 1/2 Mile**  
**Lower**

**NV WELLS      NV2000000033001**

Sequence #:	67601	Well log:	87116
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	38		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	07/26/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6
Depth drilled:	75	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	75
Casing diameter:	2		
Casing reduc:	0	Top perf:	10
Bottom perf:	75	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00
Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E103  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000033003**

Sequence #:	67603	Well log:	87118
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	40		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/26/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	75	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	75
Casing diameter:	2		
Casing reduc:	0	Top perf:	10
Bottom perf:	75	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00
Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E104  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000033005**

Sequence #:	67605	Well log:	87120
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	42		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/26/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6
Depth drilled:	75	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	75
Casing diameter:	2		
Casing reduc:	0	Top perf:	10
Bottom perf:	75	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00
Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E105  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000033004**

Sequence #:	67604	Well log:	87119
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	41	Subdivisio:	Not Reported
Parcel no:	140-04-501-001	Block no:	Not Reported
Lot no:	Not Reported	Date cmplt:	D
Well finish:	07/26/2002 00:00:00	Depth seal:	6
Gravel pack:	Y	Depth bedrock:	0
Depth drilled:	75	Depth case:	75
Aquifer depth:	Not Reported		
Casing diameter:	2	Top perf:	10
Casing reduc:	0	Perf interval:	2
Bottom perf:	75		
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E106  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS    NV2000000032988**

Sequence #:	67588	Well log:	87103
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	25		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/26/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6
Depth drilled:	75	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	75
Casing diameter:	2		
Casing reduc:	0	Top perf:	10
Bottom perf:	75	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00
Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**E107**  
**SW**  
**1/4 - 1/2 Mile**  
**Lower**

**NV WELLS      NV2000000032972**

Sequence #:	67572	Well log:	87087
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	09		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/26/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6
Depth drilled:	75	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	75
Casing diameter:	2		
Casing reduc:	0	Top perf:	10
Bottom perf:	75	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00
Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E108**  
**SW**  
**1/4 - 1/2 Mile**  
**Lower**

**NV WELLS      NV2000000032971**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	67571	Well log:	87086
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	08		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/26/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6
Depth drilled:	75	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	75
Casing diameter:	2		
Casing reduc:	0	Top perf:	10
Bottom perf:	75	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00
Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E109  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032973**

Sequence #:	67573	Well log:	87088
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	10		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/26/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6
Depth drilled:	75	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	75
Casing diameter:	2		
Casing reduc:	0	Top perf:	10
Bottom perf:	75	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00
Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E110**  
**SW**  
**1/4 - 1/2 Mile**  
**Lower**

**NV WELLS      NV2000000032975**

Sequence #:	67575	Well log:	87090
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	12		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	07/26/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6
Depth drilled:	75	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	75
Casing diameter:	2		
Casing reduc:	0	Top perf:	10
Bottom perf:	75	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00
Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E111  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032974**

Sequence #:	67574	Well log:	87089
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	11	Subdivisio:	Not Reported
Parcel no:	140-04-501-001	Block no:	Not Reported
Lot no:	Not Reported	Date cmplt:	D
Well finish:	07/26/2002 00:00:00	Depth seal:	6
Gravel pack:	Y		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	75	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	75
Casing diameter:	2		
Casing reduc:	0	Top perf:	10
Bottom perf:	75	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00
Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E112  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032970**

Sequence #:	67570	Well log:	87085
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	07		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/26/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6
Depth drilled:	75	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	75
Casing diameter:	2		
Casing reduc:	0	Top perf:	10
Bottom perf:	75	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00
Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E113  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032966**

Sequence #:	67566	Well log:	87081
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	03	Subdivisio:	Not Reported
Parcel no:	140-04-501-001	Block no:	Not Reported
Lot no:	Not Reported	Date cmplt:	D
Well finish:	07/26/2002 00:00:00	Depth seal:	6
Gravel pack:	Y	Depth bedrock:	0
Depth drilled:	75	Depth case:	75
Aquifer depth:	Not Reported		
Casing diameter:	2	Top perf:	10
Casing reduc:	0	Perf interval:	2
Bottom perf:	75		
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E114  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS    NV2000000032965**

Sequence #:	67565	Well log:	87080
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	02		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/26/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6
Depth drilled:	75	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	75
Casing diameter:	2		
Casing reduc:	0	Top perf:	10
Bottom perf:	75	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00
Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**E115**  
**SW**  
**1/4 - 1/2 Mile**  
**Lower**

**NV WELLS      NV2000000032967**

Sequence #:	67567	Well log:	87082
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	04		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/26/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6
Depth drilled:	75	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	75
Casing diameter:	2		
Casing reduc:	0	Top perf:	10
Bottom perf:	75	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00
Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E116**  
**SW**  
**1/4 - 1/2 Mile**  
**Lower**

**NV WELLS      NV2000000032969**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	67569	Well log:	87084
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	06		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/26/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6
Depth drilled:	75	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	75
Casing diameter:	2		
Casing reduc:	0	Top perf:	10
Bottom perf:	75	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00
Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E117  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032968**

Sequence #:	67568	Well log:	87083
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	05		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/26/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6
Depth drilled:	75	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	75
Casing diameter:	2		
Casing reduc:	0	Top perf:	10
Bottom perf:	75	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00
Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E118**  
**SW**  
**1/4 - 1/2 Mile**  
**Lower**

**NV WELLS    NV2000000032976**

Sequence #:	67576	Well log:	87091
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	13		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	07/26/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6
Depth drilled:	75	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	75
Casing diameter:	2		
Casing reduc:	0	Top perf:	10
Bottom perf:	75	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00
Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E119  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032984**

Sequence #:	67584	Well log:	87099
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	21	Subdivisio:	Not Reported
Parcel no:	140-04-501-001	Block no:	Not Reported
Lot no:	Not Reported	Date cmplt:	D
Well finish:	07/26/2002 00:00:00	Depth seal:	6
Gravel pack:	Y		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	75	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	75
Casing diameter:	2		
Casing reduc:	0	Top perf:	10
Bottom perf:	75	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00
Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E120  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032983**

Sequence #:	67583	Well log:	87098
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	20		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/26/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6
Depth drilled:	75	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	75
Casing diameter:	2		
Casing reduc:	0	Top perf:	10
Bottom perf:	75	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00
Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E121  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032985**

Sequence #:	67585	Well log:	87100
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	22		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/26/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6
Depth drilled:	75	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	75
Casing diameter:	2		
Casing reduc:	0	Top perf:	10
Bottom perf:	75	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E122**  
**SW**  
**1/4 - 1/2 Mile**  
**Lower**

**NV WELLS      NV2000000032987**

Sequence #:	67587	Well log:	87102
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	24		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/26/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6
Depth drilled:	75	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	75
Casing diameter:	2		
Casing reduc:	0	Top perf:	10
Bottom perf:	75	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00
Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**E123**  
**SW**  
**1/4 - 1/2 Mile**  
**Lower**

**NV WELLS      NV2000000032986**

Sequence #:	67586	Well log:	87101
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	23		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/26/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6
Depth drilled:	75	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	75
Casing diameter:	2		
Casing reduc:	0	Top perf:	10
Bottom perf:	75	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00
Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E124**  
**SW**  
**1/4 - 1/2 Mile**  
**Lower**

**NV WELLS      NV2000000032982**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	67582	Well log:	87097
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	19		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/26/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6
Depth drilled:	75	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	75
Casing diameter:	2		
Casing reduc:	0	Top perf:	10
Bottom perf:	75	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00
Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E125  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032978**

Sequence #:	67578	Well log:	87093
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	15		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/26/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6
Depth drilled:	75	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	75
Casing diameter:	2		
Casing reduc:	0	Top perf:	10
Bottom perf:	75	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00
Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E126**  
**SW**  
**1/4 - 1/2 Mile**  
**Lower**

**NV WELLS      NV2000000032977**

Sequence #:	67577	Well log:	87092
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	14		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	07/26/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6
Depth drilled:	75	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	75
Casing diameter:	2		
Casing reduc:	0	Top perf:	10
Bottom perf:	75	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00
Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E127  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032979**

Sequence #:	67579	Well log:	87094
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	16	Subdivisio:	Not Reported
Parcel no:	140-04-501-001	Block no:	Not Reported
Lot no:	Not Reported	Date cmplt:	D
Well finish:	07/26/2002 00:00:00	Depth seal:	6
Gravel pack:	Y		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	75	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	75
Casing diameter:	2		
Casing reduc:	0	Top perf:	10
Bottom perf:	75	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00
Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E128  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032981**

Sequence #:	67581	Well log:	87096
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	18		
Parcel no:	140-04-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/26/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6
Depth drilled:	75	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	75
Casing diameter:	2		
Casing reduc:	0	Top perf:	10
Bottom perf:	75	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00
Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

**E129  
SW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032980**

Sequence #:	67580	Well log:	87095
App:	Not Reported	Notice of :	20506
Waiver no:	Not Reported	Date log r:	07/30/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	SCHMIDT, BERNARD A		
Owner addr:	4743 RANGE RD		
Owner no:	17	Subdivisio:	Not Reported
Parcel no:	140-04-501-001	Block no:	Not Reported
Lot no:	Not Reported	Date cmplt:	D
Well finish:	07/26/2002 00:00:00	Depth seal:	6
Gravel pack:	Y	Depth bedrock:	0
Depth drilled:	75	Depth case:	75
Aquifer depth:	Not Reported		
Casing diameter:	2	Top perf:	10
Casing reduc:	0	Perf interval:	2
Bottom perf:	75		
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38155	Contract 1:	REDDING DRILLING
Contract 2:	8170 HAVEN ST LAS VEGAS NV 89123		
Contract 3:	0		
Driller li:	1617	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/22/2002 00:00:00
Update use:	Not Reported	Date updat:	11/20/2002 00:00:00
Edit statu:	F	Well start:	07/02/2002 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	35	Gravel p 2:	75
Utm x:	675641.849099		
Utm y:	4012724.58816		

**F130**  
**NE**  
**1/4 - 1/2 Mile**  
**Higher**

**NV WELLS    NV2000000033876**

Sequence #:	53898	Well log:	75323
App:	Not Reported	Notice of :	18604
Waiver no:	Not Reported	Date log r:	04/20/1999 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	C
Legal quarter:	SW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2508010864258
Longitude:	-115.03800201416	Lat long s:	NV003
Lat long acc:	M		
Owner current:	CALNEV FUEL STORAGE FACILITY		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	123-34-401-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	02/25/1999 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	90	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	0		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	41809	Contract 1:	VERDE DRILLING
Contract 2:	301 W DEER VALLEY RD #7 PHOENIX AZ 85027		
Contract 3:	0		
Driller li:	2070	Source age:	NV003
User id:	DBRANTLE	Date entry:	06/11/1999 00:00:00
Update use:	Not Reported	Date updat:	06/11/1999 00:00:00
Edit statu:	F	Well start:	02/25/1999 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676253.435457		
Utm y:	4013353.51575		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**F131**  
**NE**  
**1/4 - 1/2 Mile**  
**Higher**

**NV WELLS      NV2000000033875**

Sequence #:	53897	Well log:	75322
App:	Not Reported	Notice of :	18604
Waiver no:	Not Reported	Date log r:	04/20/1999 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	C
Legal quarter:	SW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2508010864258
Longitude:	-115.03800201416	Lat long s:	NV003
Lat long acc:	M		
Owner current:	CALNEV FUEL STORAGE FACILITY		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	123-34-401-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	02/25/1999 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	90	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	0		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	41809	Contract 1:	VERDE DRILLING
Contract 2:	301 W DEER VALLEY RD #7 PHOENIX AZ 85027		
Contract 3:	0		
Driller li:	2070	Source age:	NV003
User id:	DBRANTLE	Date entry:	06/11/1999 00:00:00
Update use:	dsdavis	Date updat:	06/11/1999 00:00:00
Edit statu:	F	Well start:	02/25/1999 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676253.435457		
Utm y:	4013353.51575		

**F132**  
**NE**  
**1/4 - 1/2 Mile**  
**Higher**

**NV WELLS      NV2000000033878**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	53900	Well log:	75325
App:	Not Reported	Notice of :	18603
Waiver no:	Not Reported	Date log r:	04/20/1999 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	C
Legal quarter:	SW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2508010864258
Longitude:	-115.03800201416	Lat long s:	NV003
Lat long acc:	M		
Owner current:	CALNEV FUEL STORAGE FACILITY		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	123-34-499-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	02/25/1999 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	56
Depth drilled:	115	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	115
Casing diameter:	2		
Casing reduc:	0	Top perf:	66
Bottom perf:	115	Perf interval:	1
Static wl:	87		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	41809	Contract 1:	VERDE DRILLING
Contract 2:	301 W DEER VALLEY RD #7 PHOENIX AZ 85027		
Contract 3:	0		
Driller li:	2070	Source age:	NV003
User id:	DBRANTLE	Date entry:	06/11/1999 00:00:00
Update use:	Not Reported	Date updat:	06/11/1999 00:00:00
Edit statu:	F	Well start:	02/24/1999 00:00:00
Gravel p 1:	56	Gravel p 2:	115
Utm x:	676253.435457		
Utm y:	4013353.51575		

**F133**  
**NE**  
**1/4 - 1/2 Mile**  
**Higher**

**NV WELLS      NV2000000033877**

Sequence #:	53899	Well log:	75324
App:	Not Reported	Notice of :	18605
Waiver no:	Not Reported	Date log r:	04/20/1999 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	34	Sec quarter:	C
Legal quarter:	SW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2508010864258
Longitude:	-115.03800201416	Lat long s:	NV003
Lat long acc:	M		
Owner current:	CALNEV FUEL STORAGE FACILITY		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	123-34-401-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	02/23/1999 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	60
Depth drilled:	105	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	105
Casing diameter:	4		
Casing reduc:	0	Top perf:	66
Bottom perf:	105	Perf interval:	1
Static wl:	86.88		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	41809	Contract 1:	VERDE DRILLING
Contract 2:	301 W DEER VALLEY RD #7 PHOENIX AZ 85027		
Contract 3:	0		
Driller li:	2070	Source age:	NV003
User id:	DBRANTLE	Date entry:	06/11/1999 00:00:00
Update use:	Not Reported	Date updat:	06/11/1999 00:00:00
Edit statu:	F	Well start:	02/23/1999 00:00:00
Gravel p 1:	60	Gravel p 2:	105
Utm x:	676253.435457		
Utm y:	4013353.51575		

### D134

SE

1/4 - 1/2 Mile

Lower

FED USGS

USGS3098950

Agency cd:	USGS	Site no:	361442115021701
Site name:	212 S20 E62 03BBB 2		
Latitude:	361442		
Longitude:	1150217	Dec lat:	36.24497067
Dec lon:	-115.0388902	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	32
State:	32	County:	003
Country:	US	Land net:	NWNWNWS03 T20S R62E M
Location map:	LAS VEGAS NE, NV	Map scale:	24000
Altitude:	1880.		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Las Vegas Wash. Nevada. Area = 1860 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	03/22/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	47
Depth drilled:	110	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	110
Casing diameter:	4		
Casing reduc:	0	Top perf:	50
Bottom perf:	110	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	45849	Contract 1:	T H F DRILLING INC
Contract 2:	9431 RESENDA AVE FONTANA CA 92335		
Contract 3:	0		
Driller li:	2183	Source age:	NV003
User id:	DBRANTLE	Date entry:	09/25/2002 00:00:00
Update use:	DBRANTLE	Date updat:	11/22/2002 00:00:00
Edit statu:	F	Well start:	03/21/2002 00:00:00
Gravel p 1:	47	Gravel p 2:	110
Utm x:	676025.046817		
Utm y:	4013533.86243		

**G136  
North  
1/4 - 1/2 Mile  
Higher**

**NV WELLS      NV2000000034022**

Sequence #:	97704	Well log:	98436
App:	Not Reported	Notice of :	28805
Waiver no:	R-1303	Date log r:	01/04/2006 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	CB
Legal quarter:	NW SW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.041000366211	Lat long s:	Not Reported
Lat long acc:	M		
Owner current:	KINDER MORGAN ENERGY PARTNERS		
Owner addr:	BEESLEY DR & N LAS VEGAS BLVD		
Owner no:	Not Reported		
Parcel no:	123-34-499-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	11/20/2005 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	86

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	120	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	120
Casing diameter:	4		
Casing reduc:	0	Top perf:	90
Bottom perf:	120	Perf interval:	1
Static wl:	102		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	12852	Contract 1:	W D C EXPLORATION & WELLS
Contract 2:	500 MAIN ST WOODLAND CA 95695		
Contract 3:	0		
Driller li:	2057	Source age:	NV003
User id:	DBRANTLE	Date entry:	01/27/2006 00:00:00
Update use:	Not Reported	Date updat:	02/01/2006 00:00:00
Edit statu:	F	Well start:	11/20/2005 00:00:00
Gravel p 1:	86	Gravel p 2:	120
Utm x:	676025.046817		
Utm y:	4013533.86243		

**G137  
NNE  
1/4 - 1/2 Mile  
Higher**

**NV WELLS      NV2000000034025**

Sequence #:	11321	Well log:	35584
App:	Not Reported	Notice of :	8234
Waiver no:	MO-2074	Date log r:	09/27/1991 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	CB
Legal quarter:	NW SW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	REBEL OIL CO		
Owner addr:	5054 N SLOAN DR		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/03/1991 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	38
Depth drilled:	125	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	125
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	104		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	DON WILSON
Contract 2:	4670 S POLARIS LAS VEGAS NV		
Contract 3:	0		
Driller li:	1589	Source age:	NV003
User id:	RJMATHIS	Date entry:	05/18/2000 00:00:00
Update use:	DBRANTLE	Date updat:	09/12/2000 00:00:00
Edit statu:	F	Well start:	08/06/1991 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676050.007239		
Utm y:	4013534.36737		

**G138**  
**NNE**  
**1/4 - 1/2 Mile**  
**Higher**

**NV WELLS      NV2000000034026**

Sequence #:	11322	Well log:	35585
App:	Not Reported	Notice of :	0
Waiver no:	MO-2060	Date log r:	09/27/1991 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	R
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	CB
Legal quarter:	NW SW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	REBEL OIL CO		
Owner addr:	5054 N SLOAN DR		
Owner no:	Not Reported	Subdivisio:	Not Reported
Parcel no:	Not Reported	Block no:	Not Reported
Lot no:	Not Reported	Date cmplt:	D
Well finish:	06/21/1991 00:00:00	Depth seal:	65
Gravel pack:	Y	Depth bedrock:	0
Depth drilled:	121	Depth case:	121
Aquifer depth:	Not Reported		
Casing diameter:	2	Top perf:	0
Casing reduc:	0	Perf interval:	0
Bottom perf:	0		
Static wl:	105		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	DON WILSON
Contract 2:	4670 S POLARIS LV NV		
Contract 3:	0		
Driller li:	1589	Source age:	NV003
User id:	RJMATHIS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	10/19/1998 00:00:00
Edit statu:	F	Well start:	08/06/1991 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	0	Gravel p 2:	0
Utm x:	676050.007239		
Utm y:	4013534.36737		

**G139**  
**NNE**  
**1/4 - 1/2 Mile**  
**Higher**

**NV WELLS    NV2000000034023**

Sequence #:	11319	Well log:	35582
App:	Not Reported	Notice of :	8245
Waiver no:	MO-2081	Date log r:	09/27/1991 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	R
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	CB
Legal quarter:	NW SW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	REBEL OIL CO		
Owner addr:	5054 N SLOAN DR		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	08/20/1991 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	46
Depth drilled:	123	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	123
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	104		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	DON WILSON
Contract 2:	4670 S POLARIS LV NV		
Contract 3:	0		
Driller li:	1589	Source age:	NV003
User id:	RJMATHIS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	10/19/1998 00:00:00
Edit statu:	F	Well start:	08/06/1991 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676050.007239		
Utm y:	4013534.36737		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**G140**  
**NNE**  
**1/4 - 1/2 Mile**  
**Higher**

**NV WELLS      NV2000000034024**

Sequence #:	11320	Well log:	35583
App:	Not Reported	Notice of :	8246
Waiver no:	MO-2081	Date log r:	09/27/1991 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	R
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	CB
Legal quarter:	NW SW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	REBEL OIL CO		
Owner addr:	5054 N SLOAN DR		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	08/19/1991 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	63
Depth drilled:	123	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	123
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	104		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	DON WILSON
Contract 2:	4670 S POLARIS LV NV		
Contract 3:	0		
Driller li:	1589	Source age:	NV003
User id:	RJMATHIS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	10/19/1998 00:00:00
Edit statu:	F	Well start:	08/06/1991 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676050.007239		
Utm y:	4013534.36737		

**G141**  
**NNE**  
**1/4 - 1/2 Mile**  
**Higher**

**NV WELLS      NV2000000034027**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	11323	Well log:	35586
App:	Not Reported	Notice of :	0
Waiver no:	MO-2060	Date log r:	09/27/1991 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	R
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	CB
Legal quarter:	NW SW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	REBEL OIL CO		
Owner addr:	5054 N SLOAN DR		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	06/12/1991 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	70
Depth drilled:	125	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	125
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	103		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	DON WILSON
Contract 2:	4670 S POLARIS AVE		
Contract 3:	0		
Driller li:	1589	Source age:	NV003
User id:	RJMATHIS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	10/19/1998 00:00:00
Edit statu:	F	Well start:	08/06/1991 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676050.007239		
Utm y:	4013534.36737		

**G142  
NNE  
1/4 - 1/2 Mile  
Higher**

**NV WELLS      NV2000000034030**

Sequence #:	18747	Well log:	43010
App:	Not Reported	Notice of :	12113
Waiver no:	MO-2334	Date log r:	10/21/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	34	Sec quarter:	CB
Legal quarter:	NW SW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	REBEL OIL CO		
Owner addr:	530 N LAS VEGAS BLVD		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	09/17/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	75
Depth drilled:	120	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	120
Casing diameter:	2.38		
Casing reduc:	0	Top perf:	80
Bottom perf:	120	Perf interval:	1
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	F
Qual lith :	F		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS AVE LV NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	BJFOSTER	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	10/17/1996 00:00:00
Edit statu:	F	Well start:	08/20/1993 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676050.007239		
Utm y:	4013534.36737		

**G143  
NNE  
1/4 - 1/2 Mile  
Higher**

**NV WELLS      NV2000000034031**

Sequence #:	30063	Well log:	52297
App:	Not Reported	Notice of :	17537
Waiver no:	MO-2690	Date log r:	07/08/1996 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	CB
Legal quarter:	NW SW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	REBEL TANK FARM		
Owner addr:	5054 N SLOAN LN		
Owner no:	MW-08		
Parcel no:	520-650-004	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	03/12/1996 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	74
Depth drilled:	120	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	120
Casing diameter:	2.37		
Casing reduc:	0	Top perf:	80
Bottom perf:	120	Perf interval:	1
Static wl:	100		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	KENT GROOVER
Contract 2:	731 PILOT RD STE H LAS VEGAS NV 89119		
Contract 3:	0		
Driller li:	1953	Source age:	NV003
User id:	CRWAKEFI	Date entry:	08/15/1996 00:00:00
Update use:	dsdavis	Date updat:	02/10/1998 00:00:00
Edit statu:	F	Well start:	03/12/1996 00:00:00
Gravel p 1:	74	Gravel p 2:	120
Utm x:	676050.007239		
Utm y:	4013534.36737		

**G144  
NNE  
1/4 - 1/2 Mile  
Higher**

**NV WELLS      NV2000000034028**

Sequence #:	15385	Well log:	39647
App:	Not Reported	Notice of :	10596
Waiver no:	MO-2182	Date log r:	11/10/1992 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	CB
Legal quarter:	NW SW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	REBEL OIL CO		
Owner addr:	5054 N SLOAN DR		
Owner no:	Not Reported	Subdivisio:	Not Reported
Parcel no:	Not Reported	Block no:	Not Reported
Lot no:	Not Reported	Date cmplt:	D
Well finish:	08/10/1992 00:00:00	Depth seal:	70
Gravel pack:	Y		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	120	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	120
Casing diameter:	2		
Casing reduc:	0	Top perf:	80
Bottom perf:	120	Perf interval:	1
Static wl:	104		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S PLARIS AVE LV NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	10/16/1996 00:00:00
Edit statu:	F	Well start:	09/22/1992 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676050.007239		
Utm y:	4013534.36737		

**G145  
NNE  
1/4 - 1/2 Mile  
Higher**

**NV WELLS      NV2000000034029**

Sequence #:	18116	Well log:	42379
App:	Not Reported	Notice of :	12109
Waiver no:	MO-2333	Date log r:	10/07/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	CB
Legal quarter:	NW SW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	N LAS VEGAS BLVD LAS VEGAS NV		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	09/16/1993 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	70
Depth drilled:	120	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	119
Casing diameter:	2		
Casing reduc:	0	Top perf:	79
Bottom perf:	119	Perf interval:	1
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	Not Reported
Contract 2:	4670 S POLARIS AVE LV NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	01/06/1997 00:00:00
Edit statu:	F	Well start:	08/30/1993 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676050.007239		
Utm y:	4013534.36737		

**H146  
ENE  
1/4 - 1/2 Mile  
Higher**

**NV WELLS      NV2000000033455**

Sequence #:	40668	Well log:	62791
App:	Not Reported	Notice of :	17252
Waiver no:	MO-2661A	Date log r:	03/14/1997 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	CD
Legal quarter:	SE SW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2489013671875
Longitude:	-115.036003112793	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S AIR FORCE		
Owner addr:	4349 DUFFER DR NELLIS AFB		
Owner no:	MW-116		
Parcel no:	520-640-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	01/31/1997 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	112
Depth drilled:	125	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	125
Casing diameter:	2.25		
Casing reduc:	0	Top perf:	120
Bottom perf:	125	Perf interval:	1
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	39528	Contract 1:	WEBER ENVIRONMENTAL INC
Contract 2:	115 S WEBER DR STE 1 CHANDLER AZ 85226		
Contract 3:	0		
Driller li:	1847	Source age:	NV003
User id:	DBRANTLE	Date entry:	03/17/1997 00:00:00
Update use:	dsdavis	Date updat:	12/17/1997 00:00:00
Edit statu:	F	Well start:	01/30/1997 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	119	Gravel p 2:	125
Utm x:	676457.496901		
Utm y:	4013141.85299		

**H147  
ENE  
1/4 - 1/2 Mile  
Higher**

**NV WELLS    NV2000000033456**

Sequence #:	61703	Well log:	82960
App:	Not Reported	Notice of :	42628
Waiver no:	Not Reported	Date log r:	04/09/2001 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	Z
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	CD
Legal quarter:	SE SW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2489013671875
Longitude:	-115.036003112793	Lat long s:	NV003
Lat long acc:	M		
Owner current:	NELLIS AFB		
Owner addr:	4910 WORTSMITH AVE		
Owner no:	Not Reported		
Parcel no:	123-34-401-003	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	01/25/2001 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	84
Depth drilled:	160	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	160
Casing diameter:	2.375		
Casing reduc:	0	Top perf:	91
Bottom perf:	160	Perf interval:	2
Static wl:	78		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	10157	Contract 1:	BOART LONGYEAR
Contract 2:	2640 W 1700 S SALT LAKE CITY UT 84104-4240		
Contract 3:	0		
Driller li:	2147	Source age:	NV003
User id:	DBRANTLE	Date entry:	05/25/2001 00:00:00
Update use:	DBRANTLE	Date updat:	06/21/2001 00:00:00
Edit statu:	F	Well start:	01/23/2001 00:00:00
Gravel p 1:	89	Gravel p 2:	160
Utm x:	676457.496901		
Utm y:	4013141.85299		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**H148**  
**ENE**  
**1/4 - 1/2 Mile**  
**Higher**

**NV WELLS      NV2000000033457**

Sequence #:	61704	Well log:	82961
App:	Not Reported	Notice of :	42629
Waiver no:	Not Reported	Date log r:	04/09/2001 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	Z
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	CD
Legal quarter:	SE SW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2489013671875
Longitude:	-115.036003112793	Lat long s:	NV003
Lat long acc:	M		
Owner current:	NELLIS AFB		
Owner addr:	4910 WORTSMITH AVE		
Owner no:	Not Reported		
Parcel no:	123-34-401-003	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	02/01/2001 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	93
Depth drilled:	140	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	140
Casing diameter:	2.375		
Casing reduc:	0	Top perf:	100
Bottom perf:	140	Perf interval:	2
Static wl:	78		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	10157	Contract 1:	BOART LONGYEAR
Contract 2:	2640 W 1700 S SALT LAKE CITY UT 84104-4240		
Contract 3:	0		
Driller li:	2147	Source age:	NV003
User id:	DBRANTLE	Date entry:	05/25/2001 00:00:00
Update use:	DBRANTLE	Date updat:	06/21/2001 00:00:00
Edit statu:	F	Well start:	01/30/2001 00:00:00
Gravel p 1:	98	Gravel p 2:	140
Utm x:	676457.496901		
Utm y:	4013141.85299		

**I149**  
**NNW**  
**1/4 - 1/2 Mile**  
**Higher**

**NV WELLS      NV2000000034003**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	9232	Well log:	33515
App:	Not Reported	Notice of :	2937
Waiver no:	Not Reported	Date log r:	04/27/1990 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DA
Legal quarter:	NE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	MW-11		
Parcel no:	520-650-005	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	04/01/1990 00:00:00	Date cmplt:	Y
Gravel pack:	Y	Depth seal:	80
Depth drilled:	150	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	142
Casing diameter:	5		
Casing reduc:	0	Top perf:	92
Bottom perf:	142	Perf interval:	1
Static wl:	103.5		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	4286A	Contract 1:	THOMPSON DRILLING CO INC
Contract 2:	4185 W HARMON LAS VEGAS NV 89103		
Contract 3:	290		
Driller li:	1686	Source age:	NV003
User id:	TLELLIS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	02/10/1998 00:00:00
Edit statu:	F	Well start:	04/01/1990 00:00:00
Gravel p 1:	92	Gravel p 2:	150
Utm x:	675625.680235		
Utm y:	4013525.79307		

**1150  
NNW  
1/4 - 1/2 Mile  
Higher**

**NV WELLS      NV2000000034002**

Sequence #:	9229	Well log:	33512
App:	Not Reported	Notice of :	2938
Waiver no:	Not Reported	Date log r:	04/27/1990 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	33	Sec quarter:	DA
Legal quarter:	NE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	MW-12		
Parcel no:	520-650-005	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	02/20/1990 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	80
Depth drilled:	150	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	150
Casing diameter:	5		
Casing reduc:	0	Top perf:	97
Bottom perf:	147	Perf interval:	1
Static wl:	97		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	4286A	Contract 1:	THOMPSON DRILLING CO INC
Contract 2:	4185 W HARMON LAS VEGAS NV 89103		
Contract 3:	290		
Driller li:	1686	Source age:	NV003
User id:	TLELLIS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	02/10/1998 00:00:00
Edit statu:	F	Well start:	01/03/1990 00:00:00
Gravel p 1:	84	Gravel p 2:	150
Utm x:	675625.680235		
Utm y:	4013525.79307		

**I151  
NNW  
1/4 - 1/2 Mile  
Higher**

**NV WELLS      NV2000000034001**

Sequence #:	8178	Well log:	32509
App:	Not Reported	Notice of :	2954
Waiver no:	Not Reported	Date log r:	10/02/1989 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DA
Legal quarter:	NE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	MW-08		
Parcel no:	520-650-003	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	05/05/1989 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	0
Depth drilled:	150	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	150
Casing diameter:	5		
Casing reduc:	0	Top perf:	110
Bottom perf:	150	Perf interval:	1
Static wl:	101		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	12852	Contract 1:	WATER DEVELOPMENT CORP (THE)
Contract 2:	P O BOX 888 WOODLAND CA 95696		
Contract 3:	0		
Driller li:	834	Source age:	NV003
User id:	NAFLECKS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	02/10/1998 00:00:00
Edit statu:	F	Well start:	05/02/1989 00:00:00
Gravel p 1:	104	Gravel p 2:	150
Utm x:	675625.680235		
Utm y:	4013525.79307		

**1152  
NNW  
1/4 - 1/2 Mile  
Higher**

**NV WELLS      NV2000000034006**

Sequence #:	11097	Well log:	35360
App:	Not Reported	Notice of :	4149
Waiver no:	Not Reported	Date log r:	06/17/1991 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DA
Legal quarter:	NE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	TEXACO		
Owner addr:	Not Reported		
Owner no:	WELL 01		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	11/01/1990 00:00:00	Date cmplt:	D
Gravel pack:	N	Depth seal:	74

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	123	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	123
Casing diameter:	4		
Casing reduc:	0	Top perf:	83
Bottom perf:	123	Perf interval:	1
Static wl:	94		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	4286A	Contract 1:	THOMPSON DRILLING CO INC
Contract 2:	4185 W HARMON LAS VEGAS NV 89103		
Contract 3:	290		
Driller li:	1686	Source age:	NV003
User id:	slclary	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	02/10/1998 00:00:00
Edit statu:	F	Well start:	10/25/1990 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	675625.680235		
Utm y:	4013525.79307		

**I153  
NNW  
1/4 - 1/2 Mile  
Higher**

**NV WELLS    NV2000000034005**

Sequence #:	9234	Well log:	33517
App:	Not Reported	Notice of :	2939
Waiver no:	Not Reported	Date log r:	04/27/1990 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DA
Legal quarter:	NE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	MW-13		
Parcel no:	520-650-005	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	02/18/1990 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	80
Depth drilled:	155	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	147
Casing diameter:	5		
Casing reduc:	0	Top perf:	97
Bottom perf:	147	Perf interval:	1
Static wl:	97		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	4286A	Contract 1:	THOMPSON DRILLING CO INC
Contract 2:	4185 W HARMON LAS VEGAS NV 89103		
Contract 3:	290		
Driller li:	1686	Source age:	NV003
User id:	TLELLIS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	02/10/1998 00:00:00
Edit statu:	F	Well start:	04/01/1990 00:00:00
Gravel p 1:	87	Gravel p 2:	147
Utm x:	675625.680235		
Utm y:	4013525.79307		

**1154  
NNW  
1/4 - 1/2 Mile  
Higher**

**NV WELLS      NV2000000034004**

Sequence #:	9233	Well log:	33516
App:	Not Reported	Notice of :	2936
Waiver no:	Not Reported	Date log r:	04/27/1990 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DA
Legal quarter:	NE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	MW-10		
Parcel no:	520-650-005	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	02/13/1990 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	80
Depth drilled:	150	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	141
Casing diameter:	5		
Casing reduc:	0	Top perf:	91
Bottom perf:	141	Perf interval:	1
Static wl:	105.5		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	4286A	Contract 1:	THOMPSON DRILLING CO INC
Contract 2:	4185 W HARMON LAS VEGAS NV 89103		
Contract 3:	290		
Driller li:	1686	Source age:	NV003
User id:	TLELLIS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	02/10/1998 00:00:00
Edit statu:	F	Well start:	04/01/1990 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	86	Gravel p 2:	150
Utm x:	675625.680235		
Utm y:	4013525.79307		

**I155  
NNW  
1/4 - 1/2 Mile  
Higher**

**NV WELLS    NV2000000034000**

Sequence #:	8177	Well log:	32508
App:	Not Reported	Notice of :	2953
Waiver no:	Not Reported	Date log r:	10/02/1989 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DA
Legal quarter:	NE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	MW-07		
Parcel no:	520-650-003	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	06/04/1989 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	100
Depth drilled:	150	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	150
Casing diameter:	5		
Casing reduc:	0	Top perf:	110
Bottom perf:	150	Perf interval:	1
Static wl:	98		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	12852	Contract 1:	WATER DEVELOPMENT CORP (THE)
Contract 2:	P O BOX 888 WOODLAND CA 95696		
Contract 3:	0		
Driller li:	834	Source age:	NV003
User id:	NAFLECKS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	02/10/1998 00:00:00
Edit statu:	F	Well start:	06/01/1989 00:00:00
Gravel p 1:	104	Gravel p 2:	150
Utm x:	675625.680235		
Utm y:	4013525.79307		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**I156**  
**NNW**  
**1/4 - 1/2 Mile**  
**Higher**

**NV WELLS      NV2000000033996**

Sequence #:	8173	Well log:	32504
App:	Not Reported	Notice of :	2949
Waiver no:	Not Reported	Date log r:	10/02/1989 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DA
Legal quarter:	NE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	MW-03		
Parcel no:	520-650-005	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	05/05/1989 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	102
Depth drilled:	150	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	150
Casing diameter:	5		
Casing reduc:	0	Top perf:	110
Bottom perf:	150	Perf interval:	1
Static wl:	104.5		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	12852	Contract 1:	WATER DEVELOPMENT CORP (THE)
Contract 2:	P O BOX 888 WOODLAND CA 95695		
Contract 3:	0		
Driller li:	834	Source age:	NV003
User id:	NAFLECKS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	02/10/1998 00:00:00
Edit statu:	F	Well start:	05/02/1989 00:00:00
Gravel p 1:	107	Gravel p 2:	150
Utm x:	675625.680235		
Utm y:	4013525.79307		

**I157**  
**NNW**  
**1/4 - 1/2 Mile**  
**Higher**

**NV WELLS      NV2000000033995**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	8172	Well log:	32503
App:	Not Reported	Notice of :	2948
Waiver no:	Not Reported	Date log r:	10/02/1989 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DA
Legal quarter:	NE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	MW-02		
Parcel no:	520-650-005	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	05/12/1989 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	92
Depth drilled:	140	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	140
Casing diameter:	5		
Casing reduc:	0	Top perf:	100
Bottom perf:	138	Perf interval:	1
Static wl:	106.7		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	12852	Contract 1:	WATER DEVELOPMENT CORP (THE)
Contract 2:	P O BOX 888 WOODLAND CA 95695		
Contract 3:	0		
Driller li:	834	Source age:	NV003
User id:	NAFLECKS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	02/10/1998 00:00:00
Edit statu:	F	Well start:	05/09/1989 00:00:00
Gravel p 1:	97	Gravel p 2:	140
Utm x:	675625.680235		
Utm y:	4013525.79307		

**I158  
NNW  
1/4 - 1/2 Mile  
Higher**

**NV WELLS      NV2000000033994**

Sequence #:	8171	Well log:	32502
App:	Not Reported	Notice of :	2934
Waiver no:	Not Reported	Date log r:	10/02/1989 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	33	Sec quarter:	DD
Legal quarter:	SE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	MW-09		
Parcel no:	520-650-005	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	05/27/1989 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	101
Depth drilled:	150	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	150
Casing diameter:	5		
Casing reduc:	0	Top perf:	110
Bottom perf:	150	Perf interval:	1
Static wl:	92.5		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	12852	Contract 1:	WATER DEVELOPMENT CORP (THE)
Contract 2:	P O BOX 888 WOODLAND CA 95696		
Contract 3:	0		
Driller li:	834	Source age:	NV003
User id:	NAFLECKS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	07/01/1998 00:00:00
Edit statu:	F	Well start:	05/24/1989 00:00:00
Gravel p 1:	106	Gravel p 2:	150
Utm x:	675625.680235		
Utm y:	4013525.79307		

**I159  
NNW  
1/4 - 1/2 Mile  
Higher**

**NV WELLS      NV2000000033999**

Sequence #:	8176	Well log:	32507
App:	Not Reported	Notice of :	2952
Waiver no:	Not Reported	Date log r:	10/02/1989 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DA
Legal quarter:	NE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	MW-06		
Parcel no:	520-650-005	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	06/06/1989 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	100
Depth drilled:	150	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	150
Casing diameter:	5		
Casing reduc:	0	Top perf:	110
Bottom perf:	150	Perf interval:	1
Static wl:	96.5		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	12852	Contract 1:	WATER DEVELOPMENT CORP (THE)
Contract 2:	P O BOX 888 WOODLAND CA 95696		
Contract 3:	0		
Driller li:	834	Source age:	NV003
User id:	NAFLECKS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	02/10/1998 00:00:00
Edit statu:	F	Well start:	06/03/1989 00:00:00
Gravel p 1:	105	Gravel p 2:	150
Utm x:	675625.680235		
Utm y:	4013525.79307		

**1160  
NNW  
1/4 - 1/2 Mile  
Higher**

**NV WELLS      NV2000000033998**

Sequence #:	8175	Well log:	32506
App:	Not Reported	Notice of :	2951
Waiver no:	Not Reported	Date log r:	10/02/1989 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DA
Legal quarter:	NE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	MW-05		
Parcel no:	520-650-005	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	05/20/1989 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	100

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	150	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	150
Casing diameter:	5		
Casing reduc:	0	Top perf:	110
Bottom perf:	150	Perf interval:	1
Static wl:	101		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	12852	Contract 1:	WATER DEVELOPMENT CORP (THE)
Contract 2:	P O BOX 888 WOODLAND CA 95696		
Contract 3:	0		
Driller li:	834	Source age:	NV003
User id:	NAFLECKS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	02/10/1998 00:00:00
Edit statu:	F	Well start:	05/17/1989 00:00:00
Gravel p 1:	106	Gravel p 2:	150
Utm x:	675625.680235		
Utm y:	4013525.79307		

**I161  
NNW  
1/4 - 1/2 Mile  
Higher**

**NV WELLS      NV2000000033997**

Sequence #:	8174	Well log:	32505
App:	Not Reported	Notice of :	2950
Waiver no:	Not Reported	Date log r:	10/02/1989 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DA
Legal quarter:	NE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	MW-04		
Parcel no:	520-650-005	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	05/24/1989 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	99
Depth drilled:	149	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	149
Casing diameter:	5		
Casing reduc:	0	Top perf:	109
Bottom perf:	149	Perf interval:	1
Static wl:	118		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	12852	Contract 1:	WATER DEVELOPMENT CORP (THE)
Contract 2:	P O BOX 888 WOODLAND CA 95695		
Contract 3:	0		
Driller li:	834	Source age:	NV003
User id:	NAFLECKS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	02/10/1998 00:00:00
Edit statu:	F	Well start:	05/21/1989 00:00:00
Gravel p 1:	104	Gravel p 2:	149
Utm x:	675625.680235		
Utm y:	4013525.79307		

**1162  
NNW  
1/4 - 1/2 Mile  
Higher**

**NV WELLS    NV2000000034007**

Sequence #:	11098	Well log:	35361
App:	Not Reported	Notice of :	4149
Waiver no:	Not Reported	Date log r:	06/17/1991 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DA
Legal quarter:	NE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	TEXACO		
Owner addr:	Not Reported		
Owner no:	WELL 02		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	11/09/1990 00:00:00	Date cmplt:	D
Gravel pack:	N	Depth seal:	72
Depth drilled:	123	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	123
Casing diameter:	4		
Casing reduc:	0	Top perf:	83
Bottom perf:	123	Perf interval:	1
Static wl:	93		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	4286A	Contract 1:	THOMPSON DRILLING CO INC
Contract 2:	4185 W HARMON LAS VEGAS NV 89103		
Contract 3:	290		
Driller li:	1686	Source age:	NV003
User id:	slclary	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	02/10/1998 00:00:00
Edit statu:	F	Well start:	11/02/1990 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	0	Gravel p 2:	0
Utm x:	675625.680235		
Utm y:	4013525.79307		

**I163  
NNW  
1/4 - 1/2 Mile  
Higher**

**NV WELLS    NV2000000034017**

Sequence #:	68833	Well log:	87485
App:	Not Reported	Notice of :	46032
Waiver no:	Not Reported	Date log r:	01/17/2003 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	U
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DA
Legal quarter:	NE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	KINDER-MORGAN ENERGY PARTNERS LP		
Owner addr:	5049 N SLOAN LN		
Owner no:	RW-03R		
Parcel no:	123-33-701-002	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	12/17/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	67
Depth drilled:	121	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	121
Casing diameter:	4		
Casing reduc:	0	Top perf:	70
Bottom perf:	120	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	21976	Contract 1:	LANG EXPLORATORY DRILLING
Contract 2:	2286 W 1500 S SALT LAKE CITY UT 84104-4240		
Contract 3:	0		
Driller li:	2198	Source age:	NV003
User id:	DBRANTLE	Date entry:	01/21/2003 00:00:00
Update use:	Not Reported	Date updat:	03/03/2003 00:00:00
Edit statu:	F	Well start:	12/14/2002 00:00:00
Gravel p 1:	67	Gravel p 2:	120
Utm x:	675625.680235		
Utm y:	4013525.79307		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**I164**  
**NNW**  
**1/4 - 1/2 Mile**  
**Higher**

**NV WELLS      NV2000000034016**

Sequence #:	68832	Well log:	87484
App:	Not Reported	Notice of :	46032
Waiver no:	Not Reported	Date log r:	01/17/2003 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	U
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DA
Legal quarter:	NE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	KINDER-MORGAN ENERGY PARTNERS LP		
Owner addr:	5049 N SLOAN LN		
Owner no:	RW-02R		
Parcel no:	123-33-701-002	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	01/10/2003 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	67
Depth drilled:	121	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	121
Casing diameter:	4		
Casing reduc:	0	Top perf:	70
Bottom perf:	120	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	21976	Contract 1:	LANG EXPLORATORY DRILLING
Contract 2:	2286 W 1500 S SALT LAKE CITY UT 84104-4240		
Contract 3:	0		
Driller li:	2198	Source age:	NV003
User id:	DBRANTLE	Date entry:	01/21/2003 00:00:00
Update use:	Not Reported	Date updat:	03/03/2003 00:00:00
Edit statu:	F	Well start:	01/08/2003 00:00:00
Gravel p 1:	67	Gravel p 2:	120
Utm x:	675625.680235		
Utm y:	4013525.79307		

**I165**  
**NNW**  
**1/4 - 1/2 Mile**  
**Higher**

**NV WELLS      NV2000000034015**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	65698	Well log:	86057
App:	19446	Notice of :	23092
Waiver no:	Not Reported	Date log r:	05/10/2002 00:00:00
Date log 1:	D	Site type:	E
Work type:	D		
Work type 2:	Not Reported		
Proposed use:	P	Drilling method:	U
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DA
Legal quarter:	NE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	123-33-701-004	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	04/25/2002 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	8		
Casing reduc:	0	Top perf:	50
Bottom perf:	88	Perf interval:	1
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	18917	Contract 1:	ALLEN DRILLING INC
Contract 2:	4847 S VALLEY VIEW LAS VEGAS NV 89103		
Contract 3:	0		
Driller li:	2117	Source age:	NV003
User id:	DBRANTLE	Date entry:	05/17/2002 00:00:00
Update use:	DBRANTLE	Date updat:	05/17/2002 00:00:00
Edit statu:	F	Well start:	04/23/2002 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	675625.680235		
Utm y:	4013525.79307		

**I166  
NNW  
1/4 - 1/2 Mile  
Higher**

**NV WELLS      NV2000000034020**

Sequence #:	68836	Well log:	87488
App:	Not Reported	Notice of :	46032
Waiver no:	Not Reported	Date log r:	01/17/2003 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	U
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	33	Sec quarter:	DA
Legal quarter:	NE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	KINDER-MORGAN ENERGY PARTNERS LP		
Owner addr:	5049 N SLOAN LN		
Owner no:	RW-05R		
Parcel no:	123-33-701-002	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	12/11/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	67
Depth drilled:	121	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	121
Casing diameter:	4		
Casing reduc:	0	Top perf:	70
Bottom perf:	120	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	21976	Contract 1:	LANG EXPLORATORY DRILLING
Contract 2:	2286 W 1500 S SALT LAKE CITY UT 84104-4240		
Contract 3:	0		
Driller li:	2198	Source age:	NV003
User id:	DBRANTLE	Date entry:	01/21/2003 00:00:00
Update use:	Not Reported	Date updat:	03/03/2003 00:00:00
Edit statu:	F	Well start:	12/06/2002 00:00:00
Gravel p 1:	67	Gravel p 2:	120
Utm x:	675625.680235		
Utm y:	4013525.79307		

**I167  
NNW  
1/4 - 1/2 Mile  
Higher**

**NV WELLS      NV2000000034019**

Sequence #:	68835	Well log:	87487
App:	Not Reported	Notice of :	46032
Waiver no:	Not Reported	Date log r:	01/17/2003 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	U
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DA
Legal quarter:	NE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	KINDER-MORGAN ENERGY PARTNERS LP		
Owner addr:	5049 N SLOAN LN		
Owner no:	RW-01R		
Parcel no:	123-33-701-002	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	01/07/2003 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	67
Depth drilled:	121	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	121
Casing diameter:	4		
Casing reduc:	0	Top perf:	70
Bottom perf:	120	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	21976	Contract 1:	LANG EXPLORATORY DRILLING
Contract 2:	2286 W 1500 S SALT LAKE CITY UT 84104-4240		
Contract 3:	0		
Driller li:	2198	Source age:	NV003
User id:	DBRANTLE	Date entry:	01/21/2003 00:00:00
Update use:	Not Reported	Date updat:	03/03/2003 00:00:00
Edit statu:	F	Well start:	12/17/2002 00:00:00
Gravel p 1:	67	Gravel p 2:	120
Utm x:	675625.680235		
Utm y:	4013525.79307		

**1168  
NNW  
1/4 - 1/2 Mile  
Higher**

**NV WELLS      NV2000000034018**

Sequence #:	68834	Well log:	87486
App:	Not Reported	Notice of :	46032
Waiver no:	Not Reported	Date log r:	01/17/2003 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	U
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DA
Legal quarter:	NE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	KINDER-MORGAN ENERGY PARTNERS LP		
Owner addr:	5049 N SLOAN LN		
Owner no:	RW-04R		
Parcel no:	123-33-701-002	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	12/14/2002 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	67

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	121	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	121
Casing diameter:	4		
Casing reduc:	0	Top perf:	70
Bottom perf:	120	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	21976	Contract 1:	LANG EXPLORATORY DRILLING
Contract 2:	2286 W 1500 S SALT LAKE CITY UT 84104-4240		
Contract 3:	0		
Driller li:	2198	Source age:	NV003
User id:	DBRANTLE	Date entry:	01/21/2003 00:00:00
Update use:	DBRANTLE	Date updat:	03/03/2003 00:00:00
Edit statu:	F	Well start:	12/11/2002 00:00:00
Gravel p 1:	67	Gravel p 2:	120
Utm x:	675625.680235		
Utm y:	4013525.79307		

**I169  
NNW  
1/4 - 1/2 Mile  
Higher**

**NV WELLS    NV2000000034014**

Sequence #:	45027	Well log:	66464
App:	Not Reported	Notice of :	11365
Waiver no:	MO-2223	Date log r:	01/05/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DA
Legal quarter:	NE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	12/28/1992 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	77
Depth drilled:	120	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	120
Casing diameter:	2		
Casing reduc:	0	Top perf:	80
Bottom perf:	120	Perf interval:	1
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KCOON	Date entry:	07/08/1997 00:00:00
Update use:	user15	Date updat:	02/02/1998 00:00:00
Edit statu:	F	Well start:	12/28/1992 00:00:00
Gravel p 1:	77	Gravel p 2:	120
Utm x:	675625.680235		
Utm y:	4013525.79307		

**1170  
NNW  
1/4 - 1/2 Mile  
Higher**

**NV WELLS    NV2000000034010**

Sequence #:	12086	Well log:	36349
App:	Not Reported	Notice of :	9478
Waiver no:	Not Reported	Date log r:	02/11/1992 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DA
Legal quarter:	NE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported	Subdivisio:	Not Reported
Parcel no:	Not Reported	Block no:	Not Reported
Lot no:	Not Reported	Date cmplt:	D
Well finish:	01/22/1992 00:00:00	Depth seal:	3
Gravel pack:	Y	Depth bedrock:	0
Depth drilled:	120	Depth case:	120
Aquifer depth:	Not Reported		
Casing diameter:	2	Top perf:	80
Casing reduc:	0	Perf interval:	1
Bottom perf:	120		
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	34757	Contract 1:	CONVERSE CONSULTANTS
Contract 2:	731 PILOT RD STE H LAS VEGAS NV 89119-4429		
Contract 3:	0		
Driller li:	1589	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	10/19/1998 00:00:00
Edit statu:	F	Well start:	12/19/1991 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	0	Gravel p 2:	0
Utm x:	675625.680235		
Utm y:	4013525.79307		

**I171  
NNW  
1/4 - 1/2 Mile  
Higher**

**NV WELLS    NV2000000034009**

Sequence #:	11100	Well log:	35363
App:	Not Reported	Notice of :	4149
Waiver no:	Not Reported	Date log r:	06/17/1991 00:00:00
Date log 1:	D	Site type:	E
Work type:	R		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DA
Legal quarter:	NE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	TEXACO		
Owner addr:	Not Reported		
Owner no:	WELL 04		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	11/27/1990 00:00:00	Date cmplt:	D
Gravel pack:	N	Depth seal:	72
Depth drilled:	125	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	125
Casing diameter:	4		
Casing reduc:	0	Top perf:	85
Bottom perf:	125	Perf interval:	1
Static wl:	96		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	4286A	Contract 1:	THOMPSON DRILLING CO INC
Contract 2:	4185 W HARMON LAS VEGAS NV 89103		
Contract 3:	290		
Driller li:	1686	Source age:	NV003
User id:	slclary	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	02/10/1998 00:00:00
Edit statu:	F	Well start:	11/20/1990 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	675625.680235		
Utm y:	4013525.79307		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**I172**  
**NNW**  
**1/4 - 1/2 Mile**  
**Higher**

**NV WELLS      NV2000000034008**

Sequence #:	11099	Well log:	35362
App:	Not Reported	Notice of :	4149
Waiver no:	Not Reported	Date log r:	11/20/1990 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DA
Legal quarter:	NE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	TEXACO		
Owner addr:	Not Reported		
Owner no:	WELL 03		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	11/20/1990 00:00:00	Date cmplt:	D
Gravel pack:	N	Depth seal:	72
Depth drilled:	120	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	120
Casing diameter:	4		
Casing reduc:	0	Top perf:	80
Bottom perf:	120	Perf interval:	1
Static wl:	91		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	4286A	Contract 1:	THOMPSON DRILLING CO INC
Contract 2:	4185 W HARMON LAS VEGAS NV 89103		
Contract 3:	290		
Driller li:	1686	Source age:	NV003
User id:	slclary	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	02/10/1998 00:00:00
Edit statu:	F	Well start:	11/12/1990 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	675625.680235		
Utm y:	4013525.79307		

**I173**  
**NNW**  
**1/4 - 1/2 Mile**  
**Higher**

**NV WELLS      NV2000000034013**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	45026	Well log:	66463
App:	Not Reported	Notice of :	11366
Waiver no:	MO-2223	Date log r:	01/05/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DA
Legal quarter:	NE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	12/29/1992 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	83
Depth drilled:	127	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	127
Casing diameter:	2		
Casing reduc:	0	Top perf:	92
Bottom perf:	127	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KCOON	Date entry:	07/08/1997 00:00:00
Update use:	user15	Date updat:	02/02/1998 00:00:00
Edit statu:	F	Well start:	12/28/1992 00:00:00
Gravel p 1:	123	Gravel p 2:	127
Utm x:	675625.680235		
Utm y:	4013525.79307		

**1174  
NNW  
1/4 - 1/2 Mile  
Higher**

**NV WELLS    NV2000000034012**

Sequence #:	35973	Well log:	58149
App:	Not Reported	Notice of :	17560
Waiver no:	MO-2726	Date log r:	10/17/1996 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	33	Sec quarter:	DA
Legal quarter:	NE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	TEXACO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	520-580-003	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	06/25/1996 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	65
Depth drilled:	121	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	121
Casing diameter:	2.37		
Casing reduc:	0	Top perf:	70
Bottom perf:	120	Perf interval:	1
Static wl:	90		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	THOMAS HIGH
Contract 2:	731 PILOT RD STE H LAS VEGAS NV 89119		
Contract 3:	0		
Driller li:	1869	Source age:	NV003
User id:	DBRANTLE	Date entry:	12/10/1996 00:00:00
Update use:	Not Reported	Date updat:	01/07/1997 00:00:00
Edit statu:	F	Well start:	06/25/1996 00:00:00
Gravel p 1:	69	Gravel p 2:	121
Utm x:	675625.680235		
Utm y:	4013525.79307		

**I175  
NNW  
1/4 - 1/2 Mile  
Higher**

**NV WELLS      NV2000000034011**

Sequence #:	12087	Well log:	36350
App:	Not Reported	Notice of :	9477
Waiver no:	MO-2004	Date log r:	02/11/1992 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DA
Legal quarter:	NE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	01/21/1992 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	3
Depth drilled:	120	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	120
Casing diameter:	2		
Casing reduc:	0	Top perf:	80
Bottom perf:	120	Perf interval:	1
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	34757	Contract 1:	CONVERSE CONSULTANTS
Contract 2:	731 PILOT RD STE H LAS VEGAS NV 89119-4429		
Contract 3:	0		
Driller li:	1589	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	10/19/1998 00:00:00
Edit statu:	F	Well start:	12/19/1991 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	675625.680235		
Utm y:	4013525.79307		

**J176  
ESE  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000033023**

Sequence #:	45131	Well log:	66568
App:	Not Reported	Notice of :	14292
Waiver no:	MO-2509	Date log r:	03/06/1995 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	BA
Legal quarter:	NE NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.036003112793	Lat long s:	NV003
Lat long acc:	T		
Owner current:	DAMES & MOORE		
Owner addr:	NELLIS AFB SITE SD-30		
Owner no:	Not Reported		
Parcel no:	Not Reported		
Lot no:	Not Reported		
Well finish:	11/16/1994 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	62

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	105	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	100
Casing diameter:	2.5		
Casing reduc:	0	Top perf:	70
Bottom perf:	100	Perf interval:	1
Static wl:	75		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	35639	Contract 1:	B L WEBER GROUP INC (THE)
Contract 2:	16825 S WEBER DR CHANDLER AZ 85226-4112		
Contract 3:	0		
Driller li:	1910	Source age:	NV003
User id:	KCOON	Date entry:	07/09/1997 00:00:00
Update use:	Not Reported	Date updat:	04/20/1998 00:00:00
Edit statu:	F	Well start:	11/16/1994 00:00:00
Gravel p 1:	64	Gravel p 2:	105
Utm x:	676465.618937		
Utm y:	4012741.24997		

**J177  
ESE  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000033022**

Sequence #:	45130	Well log:	66567
App:	Not Reported	Notice of :	14291
Waiver no:	MO-2509	Date log r:	03/06/1995 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	BA
Legal quarter:	NE NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.036003112793	Lat long s:	NV003
Lat long acc:	T		
Owner current:	DAMES & MOORE		
Owner addr:	NELLIS AFB SITE SD-30		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	11/15/1994 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	62
Depth drilled:	105	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	100
Casing diameter:	2.5		
Casing reduc:	0	Top perf:	70
Bottom perf:	100	Perf interval:	1
Static wl:	76		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	35639	Contract 1:	B L WEBER GROUP INC (THE)
Contract 2:	16825 S WEBER DR CHANDLER AZ 85226-4112		
Contract 3:	0		
Driller li:	1910	Source age:	NV003
User id:	KCOON	Date entry:	07/09/1997 00:00:00
Update use:	dsdavis	Date updat:	04/20/1998 00:00:00
Edit statu:	F	Well start:	11/14/1994 00:00:00
Gravel p 1:	64	Gravel p 2:	105
Utm x:	676465.618937		
Utm y:	4012741.24997		

**J178  
ESE  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000033025**

Sequence #:	45133	Well log:	66570
App:	Not Reported	Notice of :	14294
Waiver no:	Not Reported	Date log r:	03/06/1995 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	BA
Legal quarter:	NE NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.036003112793	Lat long s:	NV003
Lat long acc:	T		
Owner current:	DAMES & MOORE		
Owner addr:	NELLIS AFB SITE SD-30		
Owner no:	Not Reported	Subdivisio:	Not Reported
Parcel no:	Not Reported	Block no:	Not Reported
Lot no:	Not Reported	Date cmplt:	D
Well finish:	11/23/1994 00:00:00	Depth seal:	115
Gravel pack:	Y	Depth bedrock:	0
Depth drilled:	135	Depth case:	130
Aquifer depth:	Not Reported		
Casing diameter:	2.5	Top perf:	120
Casing reduc:	0	Perf interval:	1
Bottom perf:	130		
Static wl:	123		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	35639	Contract 1:	B L WEBER GROUP INC (THE)
Contract 2:	16825 S WEBER DR CHANDLER AZ 85226-4112		
Contract 3:	0		
Driller li:	1910	Source age:	NV003
User id:	KCOON	Date entry:	07/09/1997 00:00:00
Update use:	Not Reported	Date updat:	04/20/1998 00:00:00
Edit statu:	F	Well start:	11/22/1994 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	112	Gravel p 2:	135
Utm x:	676465.618937		
Utm y:	4012741.24997		

**J179  
ESE  
1/4 - 1/2 Mile  
Lower**

**NV WELLS    NV2000000033024**

Sequence #:	45132	Well log:	66569
App:	Not Reported	Notice of :	14293
Waiver no:	MO-2509	Date log r:	03/06/1995 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	BA
Legal quarter:	NE NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.036003112793	Lat long s:	NV003
Lat long acc:	T		
Owner current:	DAMES & MOORE		
Owner addr:	NELLIS AFB SITE SD-30		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	11/21/1994 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	62
Depth drilled:	105	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	100
Casing diameter:	2.5		
Casing reduc:	0	Top perf:	70
Bottom perf:	100	Perf interval:	1
Static wl:	74		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	35639	Contract 1:	B L WEBER GROUP INC (THE)
Contract 2:	16825 S WEBER DR CHANDLER AZ 85226-4112		
Contract 3:	0		
Driller li:	1910	Source age:	NV003
User id:	KCOON	Date entry:	07/09/1997 00:00:00
Update use:	Not Reported	Date updat:	04/20/1998 00:00:00
Edit statu:	F	Well start:	11/18/1994 00:00:00
Gravel p 1:	64	Gravel p 2:	105
Utm x:	676465.618937		
Utm y:	4012741.24997		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**J180**  
**ESE**  
**1/4 - 1/2 Mile**  
**Lower**

**NV WELLS      NV2000000033021**

Sequence #:	43346	Well log:	64809
App:	Not Reported	Notice of :	17263
Waiver no:	MO-2780	Date log r:	04/25/1997 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	BA
Legal quarter:	NE NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.036003112793	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S AIR FORCE		
Owner addr:	4349 DUFFER DR NELLIS AFB NV		
Owner no:	Not Reported		
Parcel no:	140-10-101-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	02/26/1997 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	37
Depth drilled:	89	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	63
Casing diameter:	4.25		
Casing reduc:	0	Top perf:	43
Bottom perf:	63	Perf interval:	2
Static wl:	45		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	39528	Contract 1:	WEBER ENVIRONMENTAL INC
Contract 2:	115 S WEBER DR STE 1 CHANDLER AZ 85226		
Contract 3:	0		
Driller li:	2057	Source age:	NV003
User id:	DBRANTLE	Date entry:	05/07/1997 00:00:00
Update use:	dsdavis	Date updat:	06/04/1997 00:00:00
Edit statu:	F	Well start:	02/25/1997 00:00:00
Gravel p 1:	40	Gravel p 2:	64
Utm x:	676465.618937		
Utm y:	4012741.24997		

**J181**  
**ESE**  
**1/4 - 1/2 Mile**  
**Lower**

**NV WELLS      NV2000000033019**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	43344	Well log:	64807
App:	Not Reported	Notice of :	17263
Waiver no:	MO-2780	Date log r:	04/25/1997 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	BA
Legal quarter:	NE NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.036003112793	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S AIR FORCE		
Owner addr:	4349 DUFFER DR NELLIS AFB NV		
Owner no:	Not Reported		
Parcel no:	140-10-101-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	02/28/1997 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	37
Depth drilled:	67	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	66
Casing diameter:	4.25		
Casing reduc:	0	Top perf:	43
Bottom perf:	66	Perf interval:	2
Static wl:	45		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	39528	Contract 1:	WEBER ENVIRONMENTAL INC
Contract 2:	115 S WEBER DR STE 1 CHANDLER AZ 85226		
Contract 3:	0		
Driller li:	2057	Source age:	NV003
User id:	DBRANTLE	Date entry:	05/07/1997 00:00:00
Update use:	dsdavis	Date updat:	06/04/1997 00:00:00
Edit statu:	F	Well start:	02/27/1997 00:00:00
Gravel p 1:	40	Gravel p 2:	66
Utm x:	676465.618937		
Utm y:	4012741.24997		

**J182  
ESE  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000033020**

Sequence #:	43345	Well log:	64808
App:	Not Reported	Notice of :	17263
Waiver no:	MO-2780	Date log r:	04/25/1997 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	03	Sec quarter:	BA
Legal quarter:	NE NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.036003112793	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S AIR FORCE		
Owner addr:	4349 DUFFER DR NELLIS AFB NV		
Owner no:	Not Reported		
Parcel no:	140-10-101-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/01/1997 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	37
Depth drilled:	67	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	66
Casing diameter:	4.25		
Casing reduc:	0	Top perf:	48
Bottom perf:	66	Perf interval:	2
Static wl:	45		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	39528	Contract 1:	WEBER ENVIRONMENTAL INC
Contract 2:	115 S WEBER DR STE 1 CHANDLER AZ 85226		
Contract 3:	0		
Driller li:	2057	Source age:	NV003
User id:	DBRANTLE	Date entry:	05/07/1997 00:00:00
Update use:	Not Reported	Date updat:	06/04/1997 00:00:00
Edit statu:	F	Well start:	02/28/1997 00:00:00
Gravel p 1:	40	Gravel p 2:	66
Utm x:	676465.618937		
Utm y:	4012741.24997		

**K183**

**NE  
1/4 - 1/2 Mile  
Higher**

**NV WELLS      NV2000000034036**

Sequence #:	98523	Well log:	99255
App:	Not Reported	Notice of :	28847
Waiver no:	Not Reported	Date log r:	05/12/2006 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	CA
Legal quarter:	NE SW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.036003112793	Lat long s:	Not Reported
Lat long acc:	M		
Owner current:	KINDER MORGAN		
Owner addr:	BEASLEY DR & LAS VEGAS BLVD		
Owner no:	05		
Parcel no:	123-34-499-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	03/21/2006 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	83
Depth drilled:	115	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	115
Casing diameter:	4		
Casing reduc:	0	Top perf:	85
Bottom perf:	115	Perf interval:	1
Static wl:	90		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	12852	Contract 1:	W D C EXPLORATION & WELLS
Contract 2:	500 MAIN ST WOODLAND CA 95695		
Contract 3:	0		
Driller li:	2057	Source age:	NV003
User id:	SGARDELL	Date entry:	06/07/2006 00:00:00
Update use:	Not Reported	Date updat:	06/07/2006 00:00:00
Edit statu:	F	Well start:	03/13/2006 00:00:00
Gravel p 1:	83	Gravel p 2:	115
Utm x:	676449.374162		
Utm y:	4013542.45622		

**K184  
NE  
1/4 - 1/2 Mile  
Higher**

**NV WELLS      NV2000000034037**

Sequence #:	98524	Well log:	99256
App:	Not Reported	Notice of :	28847
Waiver no:	Not Reported	Date log r:	05/12/2006 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	CA
Legal quarter:	NE SW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.036003112793	Lat long s:	Not Reported
Lat long acc:	M		
Owner current:	KINDER MORGAN		
Owner addr:	BEASLEY DR & LAS VEGAS BLVD		
Owner no:	06		
Parcel no:	123-34-499-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/21/2006 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	83

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	115	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	115
Casing diameter:	4		
Casing reduc:	0	Top perf:	85
Bottom perf:	115	Perf interval:	1
Static wl:	90		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	12852	Contract 1:	W D C EXPLORATION & WELLS
Contract 2:	500 MAIN ST WOODLAND CA 95695		
Contract 3:	0		
Driller li:	2057	Source age:	NV003
User id:	SGARDELL	Date entry:	06/07/2006 00:00:00
Update use:	Not Reported	Date updat:	06/07/2006 00:00:00
Edit statu:	F	Well start:	03/13/2006 00:00:00
Gravel p 1:	83	Gravel p 2:	115
Utm x:	676449.374162		
Utm y:	4013542.45622		

**K185**  
**NE**  
**1/4 - 1/2 Mile**  
**Higher**

**NV WELLS      NV2000000034038**

Sequence #:	98525	Well log:	99257
App:	Not Reported	Notice of :	28847
Waiver no:	Not Reported	Date log r:	05/12/2006 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	CA
Legal quarter:	NE SW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.036003112793	Lat long s:	Not Reported
Lat long acc:	M		
Owner current:	KINDER MORGAN		
Owner addr:	BEASLEY DR & LAS VEGAS BLVD		
Owner no:	07		
Parcel no:	123-34-499-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/21/2006 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	83
Depth drilled:	115	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	115
Casing diameter:	4		
Casing reduc:	0	Top perf:	85
Bottom perf:	115	Perf interval:	1
Static wl:	90		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	12852	Contract 1:	W D C EXPLORATION & WELLS
Contract 2:	500 MAIN ST WOODLAND CA 95695		
Contract 3:	0		
Driller li:	2057	Source age:	NV003
User id:	SGARDELL	Date entry:	06/07/2006 00:00:00
Update use:	Not Reported	Date updat:	06/07/2006 00:00:00
Edit statu:	F	Well start:	03/13/2006 00:00:00
Gravel p 1:	83	Gravel p 2:	115
Utm x:	676449.374162		
Utm y:	4013542.45622		

**K186**  
**NE**  
**1/4 - 1/2 Mile**  
**Higher**

**NV WELLS    NV2000000034035**

Sequence #:	98522	Well log:	99254
App:	Not Reported	Notice of :	28847
Waiver no:	Not Reported	Date log r:	05/12/2006 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	CA
Legal quarter:	NE SW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.036003112793	Lat long s:	Not Reported
Lat long acc:	M		
Owner current:	KINDER MORGAN		
Owner addr:	BEASLEY DR & LAS VEGAS BLVD		
Owner no:	04		
Parcel no:	123-34-499-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/21/2006 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	83
Depth drilled:	115	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	115
Casing diameter:	4		
Casing reduc:	0	Top perf:	85
Bottom perf:	115	Perf interval:	1
Static wl:	90		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	12852	Contract 1:	W D C EXPLORATION & WELLS
Contract 2:	500 MAIN ST WOODLAND CA 95695		
Contract 3:	0		
Driller li:	2057	Source age:	NV003
User id:	SGARDELL	Date entry:	06/07/2006 00:00:00
Update use:	Not Reported	Date updat:	06/07/2006 00:00:00
Edit statu:	F	Well start:	03/13/2006 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	83	Gravel p 2:	115
Utm x:	676449.374162		
Utm y:	4013542.45622		

**K187**  
**NE**  
**1/4 - 1/2 Mile**  
**Higher**

**NV WELLS    NV2000000034032**

Sequence #:	98519	Well log:	99251
App:	Not Reported	Notice of :	28847
Waiver no:	Not Reported	Date log r:	05/12/2006 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	CA
Legal quarter:	NE SW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.036003112793	Lat long s:	Not Reported
Lat long acc:	M		
Owner current:	KINDER MORGAN		
Owner addr:	BEASLEY DR & LAS VEGAS BLVD		
Owner no:	01		
Parcel no:	123-34-499-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/21/2006 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	83
Depth drilled:	115	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	115
Casing diameter:	4		
Casing reduc:	0	Top perf:	85
Bottom perf:	115	Perf interval:	1
Static wl:	90		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	12852	Contract 1:	W D C EXPLORATION & WELLS
Contract 2:	500 MAIN ST WOODLAND CA 95695		
Contract 3:	0		
Driller li:	2057	Source age:	NV003
User id:	SGARDELL	Date entry:	06/07/2006 00:00:00
Update use:	Not Reported	Date updat:	06/07/2006 00:00:00
Edit statu:	F	Well start:	03/13/2006 00:00:00
Gravel p 1:	83	Gravel p 2:	115
Utm x:	676449.374162		
Utm y:	4013542.45622		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**K188**

**NE**  
**1/4 - 1/2 Mile**  
**Higher**

**NV WELLS      NV2000000034033**

Sequence #:	98520	Well log:	99252
App:	Not Reported	Notice of :	28847
Waiver no:	Not Reported	Date log r:	05/12/2006 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	CA
Legal quarter:	NE SW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.036003112793	Lat long s:	Not Reported
Lat long acc:	M		
Owner current:	KINDER MORGAN		
Owner addr:	BEASLEY DR & LAS VEGAS BLVD		
Owner no:	02		
Parcel no:	123-34-499-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/21/2006 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	83
Depth drilled:	115	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	115
Casing diameter:	4		
Casing reduc:	0	Top perf:	85
Bottom perf:	115	Perf interval:	1
Static wl:	90		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	12852	Contract 1:	W D C EXPLORATION & WELLS
Contract 2:	500 MAIN ST WOODLAND CA 95695		
Contract 3:	0		
Driller li:	2057	Source age:	NV003
User id:	SGARDELL	Date entry:	06/07/2006 00:00:00
Update use:	Not Reported	Date updat:	06/07/2006 00:00:00
Edit statu:	F	Well start:	03/13/2006 00:00:00
Gravel p 1:	83	Gravel p 2:	115
Utm x:	676449.374162		
Utm y:	4013542.45622		

**K189**

**NE**  
**1/4 - 1/2 Mile**  
**Higher**

**NV WELLS      NV2000000034034**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	98521	Well log:	99253
App:	Not Reported	Notice of :	28847
Waiver no:	Not Reported	Date log r:	05/12/2006 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	CA
Legal quarter:	NE SW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.036003112793	Lat long s:	Not Reported
Lat long acc:	M		
Owner current:	KINDER MORGAN		
Owner addr:	BEASLEY DR & LAS VEGAS BLVD		
Owner no:	03		
Parcel no:	123-34-499-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/21/2006 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	83
Depth drilled:	115	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	115
Casing diameter:	4		
Casing reduc:	0	Top perf:	85
Bottom perf:	115	Perf interval:	1
Static wl:	90		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	12852	Contract 1:	W D C EXPLORATION & WELLS
Contract 2:	500 MAIN ST WOODLAND CA 95695		
Contract 3:	0		
Driller li:	2057	Source age:	NV003
User id:	SGARDELL	Date entry:	06/07/2006 00:00:00
Update use:	Not Reported	Date updat:	06/07/2006 00:00:00
Edit statu:	F	Well start:	03/13/2006 00:00:00
Gravel p 1:	83	Gravel p 2:	115
Utm x:	676449.374162		
Utm y:	4013542.45622		

**K190  
NE  
1/4 - 1/2 Mile  
Higher**

**NV WELLS      NV2000000034043**

Sequence #:	98530	Well log:	99262
App:	Not Reported	Notice of :	28846
Waiver no:	Not Reported	Date log r:	05/12/2006 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	34	Sec quarter:	CA
Legal quarter:	NE SW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.036003112793	Lat long s:	Not Reported
Lat long acc:	M		
Owner current:	KINDER MORGAN		
Owner addr:	BEASLEY DR & LAS VEGAS BLVD		
Owner no:	05		
Parcel no:	123-34-499-003	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/12/2006 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	80
Depth drilled:	115	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	115
Casing diameter:	4		
Casing reduc:	0	Top perf:	85
Bottom perf:	115	Perf interval:	1
Static wl:	90		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	12852	Contract 1:	W D C EXPLORATION & WELLS
Contract 2:	500 MAIN ST WOODLAND CA 95695		
Contract 3:	0		
Driller li:	2057	Source age:	NV003
User id:	SGARDELL	Date entry:	06/07/2006 00:00:00
Update use:	Not Reported	Date updat:	06/07/2006 00:00:00
Edit statu:	F	Well start:	03/05/2006 00:00:00
Gravel p 1:	83	Gravel p 2:	115
Utm x:	676449.374162		
Utm y:	4013542.45622		

**K191**  
**NE**  
**1/4 - 1/2 Mile**  
**Higher**

**NV WELLS      NV2000000034044**

Sequence #:	98531	Well log:	99263
App:	Not Reported	Notice of :	28846
Waiver no:	Not Reported	Date log r:	05/12/2006 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	CA
Legal quarter:	NE SW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.036003112793	Lat long s:	Not Reported
Lat long acc:	M		
Owner current:	KINDER MORGAN		
Owner addr:	BEASLEY DR & LAS VEGAS BLVD		
Owner no:	06		
Parcel no:	123-34-499-003	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	03/12/2006 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	80
Depth drilled:	115	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	115
Casing diameter:	4		
Casing reduc:	0	Top perf:	85
Bottom perf:	115	Perf interval:	1
Static wl:	90		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	12852	Contract 1:	W D C EXPLORATION & WELLS
Contract 2:	500 MAIN ST WOODLAND CA 95695		
Contract 3:	0		
Driller li:	2057	Source age:	NV003
User id:	SGARDELL	Date entry:	06/07/2006 00:00:00
Update use:	Not Reported	Date updat:	06/07/2006 00:00:00
Edit statu:	F	Well start:	03/05/2006 00:00:00
Gravel p 1:	83	Gravel p 2:	115
Utm x:	676449.374162		
Utm y:	4013542.45622		

**K192  
NE  
1/4 - 1/2 Mile  
Higher**

**NV WELLS      NV2000000034045**

Sequence #:	98532	Well log:	99264
App:	Not Reported	Notice of :	28846
Waiver no:	Not Reported	Date log r:	05/12/2006 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	CA
Legal quarter:	NE SW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.036003112793	Lat long s:	Not Reported
Lat long acc:	M		
Owner current:	KINDER MORGAN		
Owner addr:	BEASLEY DR & LAS VEGAS BLVD		
Owner no:	07		
Parcel no:	123-34-499-003	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/12/2006 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	80

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	115	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	115
Casing diameter:	4		
Casing reduc:	0	Top perf:	85
Bottom perf:	115	Perf interval:	1
Static wl:	90		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	12852	Contract 1:	W D C EXPLORATION & WELLS
Contract 2:	500 MAIN ST WOODLAND CA 95695		
Contract 3:	0		
Driller li:	2057	Source age:	NV003
User id:	SGARDELL	Date entry:	06/07/2006 00:00:00
Update use:	Not Reported	Date updat:	06/07/2006 00:00:00
Edit statu:	F	Well start:	03/05/2006 00:00:00
Gravel p 1:	83	Gravel p 2:	115
Utm x:	676449.374162		
Utm y:	4013542.45622		

**K193**  
**NE**  
**1/4 - 1/2 Mile**  
**Higher**

**NV WELLS      NV2000000034042**

Sequence #:	98529	Well log:	99261
App:	Not Reported	Notice of :	28846
Waiver no:	Not Reported	Date log r:	05/12/2006 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	CA
Legal quarter:	NE SW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.036003112793	Lat long s:	Not Reported
Lat long acc:	M		
Owner current:	KINDER MORGAN		
Owner addr:	BEASLEY DR & LAS VEGAS BLVD		
Owner no:	04		
Parcel no:	123-34-499-003	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/12/2006 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	80
Depth drilled:	115	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	115
Casing diameter:	4		
Casing reduc:	0	Top perf:	85
Bottom perf:	115	Perf interval:	1
Static wl:	90		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	12852	Contract 1:	W D C EXPLORATION & WELLS
Contract 2:	500 MAIN ST WOODLAND CA 95695		
Contract 3:	0		
Driller li:	2057	Source age:	NV003
User id:	SGARDELL	Date entry:	06/07/2006 00:00:00
Update use:	Not Reported	Date updat:	06/07/2006 00:00:00
Edit statu:	F	Well start:	03/05/2006 00:00:00
Gravel p 1:	83	Gravel p 2:	115
Utm x:	676449.374162		
Utm y:	4013542.45622		

**K194**  
**NE**  
**1/4 - 1/2 Mile**  
**Higher**

**NV WELLS      NV2000000034039**

Sequence #:	98526	Well log:	99258
App:	Not Reported	Notice of :	28846
Waiver no:	Not Reported	Date log r:	05/12/2006 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	CA
Legal quarter:	NE SW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.036003112793	Lat long s:	Not Reported
Lat long acc:	M		
Owner current:	KINDER MORGAN		
Owner addr:	BEASLEY DR & LAS VEGAS BLVD		
Owner no:	01		
Parcel no:	123-34-499-003	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/12/2006 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	80
Depth drilled:	115	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	115
Casing diameter:	4		
Casing reduc:	0	Top perf:	85
Bottom perf:	115	Perf interval:	1
Static wl:	90		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	12852	Contract 1:	W D C EXPLORATION & WELLS
Contract 2:	500 MAIN ST WOODLAND CA 95695		
Contract 3:	0		
Driller li:	2057	Source age:	NV003
User id:	SGARDELL	Date entry:	06/07/2006 00:00:00
Update use:	Not Reported	Date updat:	06/07/2006 00:00:00
Edit statu:	F	Well start:	03/05/2006 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	83	Gravel p 2:	115
Utm x:	676449.374162		
Utm y:	4013542.45622		

**K195**  
**NE**  
**1/4 - 1/2 Mile**  
**Higher**

**NV WELLS    NV2000000034040**

Sequence #:	98527	Well log:	99259
App:	Not Reported	Notice of :	28846
Waiver no:	Not Reported	Date log r:	05/12/2006 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	CA
Legal quarter:	NE SW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.036003112793	Lat long s:	Not Reported
Lat long acc:	M		
Owner current:	KINDER MORGAN		
Owner addr:	BEASLEY DR & LAS VEGAS BLVD		
Owner no:	02		
Parcel no:	123-34-499-003	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/12/2006 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	80
Depth drilled:	115	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	115
Casing diameter:	4		
Casing reduc:	0	Top perf:	85
Bottom perf:	115	Perf interval:	1
Static wl:	90		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	12852	Contract 1:	W D C EXPLORATION & WELLS
Contract 2:	500 MAIN ST WOODLAND CA 95695		
Contract 3:	0		
Driller li:	2057	Source age:	NV003
User id:	SGARDELL	Date entry:	06/07/2006 00:00:00
Update use:	Not Reported	Date updat:	06/07/2006 00:00:00
Edit statu:	F	Well start:	03/05/2006 00:00:00
Gravel p 1:	83	Gravel p 2:	115
Utm x:	676449.374162		
Utm y:	4013542.45622		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**K196**

**NE**  
**1/4 - 1/2 Mile**  
**Higher**

**NV WELLS      NV2000000034041**

Sequence #:	98528	Well log:	99260
App:	Not Reported	Notice of :	28846
Waiver no:	Not Reported	Date log r:	05/12/2006 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	CA
Legal quarter:	NE SW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.036003112793	Lat long s:	Not Reported
Lat long acc:	M		
Owner current:	KINDER MORGAN		
Owner addr:	BEASLEY DR & LAS VEGAS BLVD		
Owner no:	03		
Parcel no:	123-34-499-003	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/12/2006 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	80
Depth drilled:	115	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	115
Casing diameter:	4		
Casing reduc:	0	Top perf:	85
Bottom perf:	115	Perf interval:	1
Static wl:	90		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	12852	Contract 1:	W D C EXPLORATION & WELLS
Contract 2:	500 MAIN ST WOODLAND CA 95695		
Contract 3:	0		
Driller li:	2057	Source age:	NV003
User id:	SGARDELL	Date entry:	06/07/2006 00:00:00
Update use:	Not Reported	Date updat:	06/07/2006 00:00:00
Edit statu:	F	Well start:	03/05/2006 00:00:00
Gravel p 1:	83	Gravel p 2:	115
Utm x:	676449.374162		
Utm y:	4013542.45622		

**L197**  
**SSW**  
**1/4 - 1/2 Mile**  
**Lower**

**NV WELLS      NV2000000032485**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	1971	Well log:	27160
App:	Not Reported	Notice of :	0
Waiver no:	Not Reported	Date log r:	01/01/1941 00:00:00
Date log 1:	Y	Site type:	N
Work type:	N		
Work type 2:	Not Reported	Drilling method:	U
Proposed use:	Z	Ha:	212
Sc:	32003	Legal town:	20S
Town:	S20	Legal range:	62E
Range:	E62	Sec quarter:	AD
Section:	04	Quarters section:	Not Reported
Legal quarter:	SE NE	Latitude:	36.24169921875
Ref:	MD	Lat long s:	NV003
Longitude:	-115.044998168945		
Lat long acc:	T		
Owner current:	NELLIS AFB		
Owner addr:	Not Reported		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	11/07/1953 00:00:00	Date cmplt:	Not Reported
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	784	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	784
Casing diameter:	16		
Casing reduc:	0	Top perf:	90
Bottom perf:	784	Perf interval:	1
Static wl:	63		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	F
Qual lith :	F		
Remarks:	PROP USE=UNKNOWN		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	Not Reported
Contract 2:	Not Reported		
Contract 3:	0		
Driller li:	8	Source age:	NV003
User id:	Not Reported	Date entry:	05/17/2004 00:00:00
Update use:	dsdavis	Date updat:	10/15/1996 00:00:00
Edit statu:	F	Well start:	10/19/1953 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	675649.932482		
Utm y:	4012323.98602		

**L198**  
**SSW**  
**1/4 - 1/2 Mile**  
**Lower**

**NV WELLS      NV2000000032486**

Sequence #:	6497	Well log:	30851
App:	13764	Notice of :	0
Waiver no:	Not Reported	Date log r:	05/14/1941 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported	Drilling method:	C
Proposed use:	P	Ha:	212
Sc:	32003	Legal town:	20S
Town:	S20	Legal range:	62E
Range:	E62		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	04	Sec quarter:	AD
Legal quarter:	SE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.24169921875
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S GOVERNMENT		
Owner addr:	751 S FIGUEROA LOS ANGELES CA		
Owner no:	416		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	04/21/1941 00:00:00	Date cmplt:	D
Gravel pack:	N	Depth seal:	0
Depth drilled:	800	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	800
Casing diameter:	16		
Casing reduc:	0	Top perf:	90
Bottom perf:	784	Perf interval:	1
Static wl:	35		
Temperature:	0		
Yield:	400		
Drawdown:	180		
Hours pump:	0		
Test method:	P	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	Not Reported
Contract 2:	Not Reported		
Contract 3:	0		
Driller li:	8	Source age:	NV003
User id:	NAFLECKS	Date entry:	05/18/2000 00:00:00
Update use:	DBRANTLE	Date updat:	04/28/2000 00:00:00
Edit statu:	F	Well start:	04/01/1941 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	675649.932482		
Utm y:	4012323.98602		

**M199**  
**WSW**  
**1/4 - 1/2 Mile**  
**Lower**

**NV WELLS      NV2000000032914**

Sequence #:	7183	Well log:	31533
App:	Not Reported	Notice of :	0
Waiver no:	Not Reported	Date log r:	05/04/1989 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AB
Legal quarter:	NW NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.050003051758	Lat long s:	NV003
Lat long acc:	T		
Owner current:	NELLIS AFB		
Owner addr:	FACILITY 1014		
Owner no:	MW-023		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	02/10/1989 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	51
Depth drilled:	99	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	99
Casing diameter:	2		
Casing reduc:	0	Top perf:	69
Bottom perf:	99	Perf interval:	1
Static wl:	80.2		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	H-F DRILLING INC
Contract 2:	1456B S MANHATTAN FULLERTON CA		
Contract 3:	0		
Driller li:	1614	Source age:	NV003
User id:	NAFLECKS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	02/09/1989 00:00:00
Gravel p 1:	58	Gravel p 2:	99
Utm x:	675242.446033		
Utm y:	4012716.53779		

**M200**  
**WSW**  
**1/4 - 1/2 Mile**  
**Lower**

**NV WELLS      NV2000000032915**

Sequence #:	12668	Well log:	36931
App:	Not Reported	Notice of :	12323
Waiver no:	Not Reported	Date log r:	12/18/1989 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AB
Legal quarter:	NW NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.050003051758	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S ARMY		
Owner addr:	NELLIS AFB		
Owner no:	MW-035		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	10/28/1989 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	60

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	99	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	97
Casing diameter:	4		
Casing reduc:	0	Top perf:	67
Bottom perf:	97	Perf interval:	1
Static wl:	73		
Temperature:	70		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	H-F DRILLING INC
Contract 2:	1456B S MANHATTN FULLERTON CA		
Contract 3:	0		
Driller li:	1614	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	11/12/1997 00:00:00
Edit statu:	F	Well start:	10/27/1989 00:00:00
Gravel p 1:	65	Gravel p 2:	99
Utm x:	675242.446033		
Utm y:	4012716.53779		

**M201  
WSW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032916**

Sequence #:	12669	Well log:	36932
App:	Not Reported	Notice of :	12324
Waiver no:	Not Reported	Date log r:	12/18/1989 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AB
Legal quarter:	NW NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.050003051758	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S ARMY		
Owner addr:	NELLIS AFB		
Owner no:	MW-036		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	10/29/1989 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	58
Depth drilled:	99	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	97
Casing diameter:	4		
Casing reduc:	0	Top perf:	67
Bottom perf:	97	Perf interval:	1
Static wl:	73		
Temperature:	70		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	H-F DRILLING INC
Contract 2:	1456B S MANHATTN FULLERTON CA		
Contract 3:	1614		
Driller li:	1614	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	11/12/1997 00:00:00
Edit statu:	F	Well start:	10/28/1989 00:00:00
Gravel p 1:	63	Gravel p 2:	99
Utm x:	675242.446033		
Utm y:	4012716.53779		

**M202**  
**WSW**  
**1/4 - 1/2 Mile**  
**Lower**

**NV WELLS      NV2000000032910**

Sequence #:	77228	Well log:	91697
App:	Not Reported	Notice of :	19964
Waiver no:	Not Reported	Date log r:	12/29/2003 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AB
Legal quarter:	NW NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.050003051758	Lat long s:	NV003
Lat long acc:	M		
Owner current:	NELLIS AFB		
Owner addr:	4773 N LAS VEGAS BLVD		
Owner no:	Not Reported		
Parcel no:	140-04-502-002	Subdivisio:	SUNRISE MANOR
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	05/31/2000 00:00:00	Date cmplt:	D
Gravel pack:	N	Depth seal:	0
Depth drilled:	100	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	100
Casing diameter:	6		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	31386	Contract 1:	WEST HAZMAT DRILLING CORP
Contract 2:	1016 E KATELLA AVE ANAHEIM CA 92805		
Contract 3:	0		
Driller li:	2169	Source age:	NV003
User id:	DBRANTLE	Date entry:	01/13/2004 00:00:00
Update use:	Not Reported	Date updat:	03/05/2004 00:00:00
Edit statu:	F	Well start:	05/31/2000 00:00:00

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	0	Gravel p 2:	0
Utm x:	675217.483352		
Utm y:	4012716.03525		

**M203  
WSW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032909**

Sequence #:	77227	Well log:	91696
App:	Not Reported	Notice of :	18660
Waiver no:	Not Reported	Date log r:	01/02/2004 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AB
Legal quarter:	NW NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.050003051758	Lat long s:	NV003
Lat long acc:	M		
Owner current:	NELLIS AFB		
Owner addr:	4773 N LAS VEGAS BLVD		
Owner no:	Not Reported	Subdivisio:	SUNRISE MANOR
Parcel no:	140-04-502-002	Block no:	Not Reported
Lot no:	Not Reported	Date cmplt:	D
Well finish:	05/31/2000 00:00:00	Depth seal:	0
Gravel pack:	N	Depth bedrock:	0
Depth drilled:	126	Depth case:	126
Aquifer depth:	Not Reported		
Casing diameter:	2	Top perf:	0
Casing reduc:	0	Perf interval:	0
Bottom perf:	0		
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	31386	Contract 1:	WEST HAZMAT DRILLING CORP
Contract 2:	1016 E KATELLA AVE ANAHEIM CA 92805		
Contract 3:	0		
Driller li:	2169	Source age:	NV003
User id:	DBRANTLE	Date entry:	01/13/2004 00:00:00
Update use:	DBRANTLE	Date updat:	03/05/2004 00:00:00
Edit statu:	F	Well start:	05/31/2000 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	675217.483352		
Utm y:	4012716.03525		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**M204**  
**WSW**  
**1/4 - 1/2 Mile**  
**Lower**

**NV WELLS      NV2000000032911**

Sequence #:	77229	Well log:	91698
App:	Not Reported	Notice of :	19964
Waiver no:	Not Reported	Date log r:	01/02/2004 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AB
Legal quarter:	NW NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.050003051758	Lat long s:	NV003
Lat long acc:	M		
Owner current:	NELLIS AFB		
Owner addr:	4773 N LAS VEGAS BLVD		
Owner no:	Not Reported		
Parcel no:	140-04-502-002	Subdivisio:	SUNRISE MANOR
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	05/31/2000 00:00:00	Date cmplt:	D
Gravel pack:	N	Depth seal:	0
Depth drilled:	100	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	100
Casing diameter:	6		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	31386	Contract 1:	WEST HAZMAT DRILLING CORP
Contract 2:	1016 E KATELLA AVE ANAHEIM CA 92805		
Contract 3:	0		
Driller li:	2169	Source age:	NV003
User id:	DBRANTLE	Date entry:	01/13/2004 00:00:00
Update use:	DBRANTLE	Date updat:	03/05/2004 00:00:00
Edit statu:	F	Well start:	05/31/2000 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	675217.483352		
Utm y:	4012716.03525		

**M205**  
**WSW**  
**1/4 - 1/2 Mile**  
**Lower**

**NV WELLS      NV2000000032913**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	96638	Well log:	97394
App:	Not Reported	Notice of :	11122
Waiver no:	Not Reported	Date log r:	08/22/2005 00:00:00
Date log 1:	Not Reported	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AB
Legal quarter:	NW NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.050003051758	Lat long s:	Not Reported
Lat long acc:	M		
Owner current:	NELLIS AIRFORCE BASE		
Owner addr:	Not Reported		
Owner no:	MW-36		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/06/1999 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	98	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	0		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	1
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	OLENSKI
Contract 2:	SACRAMENTO CA		
Contract 3:	0		
Driller li:	1656	Source age:	NV003
User id:	MTHORSON	Date entry:	08/26/2005 00:00:00
Update use:	Not Reported	Date updat:	09/28/2005 00:00:00
Edit statu:	F	Well start:	07/06/1991 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	675217.483352		
Utm y:	4012716.03525		

**M206  
WSW  
1/4 - 1/2 Mile  
Lower**

**NV WELLS      NV2000000032912**

Sequence #:	96637	Well log:	97393
App:	Not Reported	Notice of :	8289
Waiver no:	Not Reported	Date log r:	08/22/2005 00:00:00
Date log 1:	Not Reported	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	04	Sec quarter:	AB
Legal quarter:	NW NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.050003051758	Lat long s:	Not Reported
Lat long acc:	M		
Owner current:	NELLIS AIRFORCE BASE		
Owner addr:	Not Reported		
Owner no:	MW-35		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/21/1991 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	98	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	0		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	1
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	OLENSKI
Contract 2:	SACRAMENTO CA		
Contract 3:	0		
Driller li:	1656	Source age:	NV003
User id:	MTHORSON	Date entry:	08/26/2005 00:00:00
Update use:	Not Reported	Date updat:	09/28/2005 00:00:00
Edit statu:	F	Well start:	07/20/1991 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	675217.483352		
Utm y:	4012716.03525		

**207**  
**SSW**  
**1/4 - 1/2 Mile**  
**Lower**

**FED USGS      USGS3099083**

Agency cd:	USGS	Site no:	361412115023501
Site name:	212 S20 E62 04ADD 1    USAF Nellis 1		
Latitude:	361427.2		
Longitude:	1150240.7	Dec lat:	36.24088889
Dec lon:	-115.04463889	Coor meth:	G
Coor accr:	5	Latlong datum:	NAD83
Dec latlong datum:	NAD83	District:	32
State:	32	County:	003
Country:	US	Land net:	SESENE04 T20S R62E M
Location map:	LAS VEGAS NE, NV	Map scale:	24000
Altitude:	1871.		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Las Vegas Wash. Nevada. Area = 1860 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19410421
Date inventoried:	Not Reported	Mean greenwich time offset:	PST

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag: Y  
 Type of ground water site: Single well, other than collector or Ranney type  
 Aquifer Type: Not Reported  
 Aquifer: Not Reported  
 Well depth: 800. Hole depth: 800.  
 Source of depth data: other reported  
 Project number: Not Reported  
 Real time data flag: 0  
 Daily flow data end date: 0000-00-00  
 Daily flow data begin date: 0000-00-00  
 Daily flow data count: 0  
 Peak flow data begin date: 0000-00-00  
 Peak flow data end date: 0000-00-00  
 Peak flow data count: 0  
 Water quality data begin date: 1995-02-23  
 Water quality data end date: 1995-02-23  
 Water quality data count: 1  
 Ground water data begin date: 1973-02-15  
 Ground water data end date: 1991-09-11  
 Ground water data count: 16

**Ground-water levels, Number of Measurements: 16**

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1991-09-11	72.64		1991-06-05	58.42	
1991-03-06	56.74		1990-12-27	59.92	
1990-09-12	61.68		1990-03-19	58.75	
1982-03-03	62.36		1981-02-26	63.76	
1980-02-26	62.14		1979-02-27	63.55	
1978-03-01	65.52		1977-03-01	73.50	
1976-03-02	81.88		1975-02-26	73.88	
1974-03-06	69.89		1973-02-15	80	

**N208**  
**SE**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS NV2000000032494**

Sequence #:	12199	Well log:	36462
App:	Not Reported	Notice of :	8453
Waiver no:	MO-2104	Date log r:	02/28/1992 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	BD
Legal quarter:	SE NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.24169921875
Longitude:	-115.036003112793	Lat long s:	NV003
Lat long acc:	T		
Owner current:	ENGINEERING SCIENCE INC		
Owner addr:	NELLIS AFB		
Owner no:	Not Reported	Subdivisio:	Not Reported
Parcel no:	Not Reported	Block no:	Not Reported
Lot no:	Not Reported	Date cmplt:	D
Well finish:	11/20/1991 00:00:00	Depth seal:	28
Gravel pack:	Y		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	50	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	50
Casing diameter:	4		
Casing reduc:	0	Top perf:	30
Bottom perf:	50	Perf interval:	1
Static wl:	43		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS LV NV		
Contract 3:	0		
Driller li:	1589	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	11/20/1991 00:00:00
Gravel p 1:	28	Gravel p 2:	50
Utm x:	676473.74027		
Utm y:	4012340.64717		

**N209  
SE  
1/2 - 1 Mile  
Lower**

**NV WELLS      NV2000000032493**

Sequence #:	12198	Well log:	36461
App:	Not Reported	Notice of :	8454
Waiver no:	MO-2104	Date log r:	02/28/1992 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	BD
Legal quarter:	SE NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.24169921875
Longitude:	-115.036003112793	Lat long s:	NV003
Lat long acc:	T		
Owner current:	ENGINEERING SCIENCE INC		
Owner addr:	NELLIS AFB		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	11/21/1991 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	28
Depth drilled:	60	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	60
Casing diameter:	4		
Casing reduc:	0	Top perf:	30
Bottom perf:	60	Perf interval:	1
Static wl:	54		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS LV NV		
Contract 3:	0		
Driller li:	1589	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	11/21/1991 00:00:00
Gravel p 1:	28	Gravel p 2:	60
Utm x:	676473.74027		
Utm y:	4012340.64717		

**N210  
SE  
1/2 - 1 Mile  
Lower**

**NV WELLS      NV2000000032495**

Sequence #:	12200	Well log:	36463
App:	Not Reported	Notice of :	8452
Waiver no:	MO-2104	Date log r:	02/28/1992 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	BD
Legal quarter:	SE NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.24169921875
Longitude:	-115.036003112793	Lat long s:	NV003
Lat long acc:	T		
Owner current:	ENGINEERING SCIENCE INC		
Owner addr:	NELLIS AFB		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	11/18/1991 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	28
Depth drilled:	60	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	60
Casing diameter:	4		
Casing reduc:	0	Top perf:	30
Bottom perf:	60	Perf interval:	1
Static wl:	41		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS LV NV		
Contract 3:	0		
Driller li:	1589	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	11/18/1991 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	28	Gravel p 2:	60
Utm x:	676473.74027		
Utm y:	4012340.64717		

**N211  
SE  
1/2 - 1 Mile  
Lower**

**NV WELLS      NV2000000032497**

Sequence #:	12202	Well log:	36465
App:	Not Reported	Notice of :	9457
Waiver no:	MO-2107	Date log r:	02/28/1992 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	BD
Legal quarter:	SE NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.24169921875
Longitude:	-115.036003112793	Lat long s:	NV003
Lat long acc:	T		
Owner current:	ENGINEERING SCIENCE INC		
Owner addr:	NELLIS AFB		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	11/22/1991 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	28
Depth drilled:	60	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	60
Casing diameter:	4		
Casing reduc:	0	Top perf:	30
Bottom perf:	60	Perf interval:	1
Static wl:	55		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS LV NV		
Contract 3:	0		
Driller li:	1589	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	11/22/1991 00:00:00
Gravel p 1:	26	Gravel p 2:	60
Utm x:	676473.74027		
Utm y:	4012340.64717		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**N212**  
**SE**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000032496**

Sequence #:	12201	Well log:	36464
App:	Not Reported	Notice of :	9458
Waiver no:	MO-2107	Date log r:	02/28/1992 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	BD
Legal quarter:	SE NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.24169921875
Longitude:	-115.036003112793	Lat long s:	NV003
Lat long acc:	T		
Owner current:	ENGINEERING SCIENCE INC		
Owner addr:	NELLIS AFB		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	11/23/1991 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	28
Depth drilled:	60	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	60
Casing diameter:	4		
Casing reduc:	0	Top perf:	30
Bottom perf:	60	Perf interval:	1
Static wl:	55		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS LV NV		
Contract 3:	0		
Driller li:	1589	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	11/23/1991 00:00:00
Gravel p 1:	26	Gravel p 2:	60
Utm x:	676473.74027		
Utm y:	4012340.64717		

**N213**  
**SE**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000032492**

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	9751	Well log:	34023
App:	Not Reported	Notice of :	12295
Waiver no:	Not Reported	Date log r:	06/29/1990 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	BD
Legal quarter:	SE NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.24169921875
Longitude:	-115.036003112793	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S ARMY CORPS OF ENGINEERS		
Owner addr:	Not Reported		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	04/20/1990 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	0
Depth drilled:	87	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	86
Casing diameter:	4		
Casing reduc:	0	Top perf:	56
Bottom perf:	86	Perf interval:	1
Static wl:	65		
Temperature:	74		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	H-F DRILLING INC
Contract 2:	1456B MANHATTAN FULLERTON NV		
Contract 3:	1614		
Driller li:	1614	Source age:	NV003
User id:	AVTYPER	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	10/19/1998 00:00:00
Edit statu:	F	Well start:	04/19/1990 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676473.74027		
Utm y:	4012340.64717		

**N214  
SE  
1/2 - 1 Mile  
Lower**

**NV WELLS      NV2000000032488**

Sequence #:	7175	Well log:	31525
App:	Not Reported	Notice of :	0
Waiver no:	Not Reported	Date log r:	05/04/1989 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	03	Sec quarter:	BD
Legal quarter:	SE NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.24169921875
Longitude:	-115.036003112793	Lat long s:	NV003
Lat long acc:	T		
Owner current:	NELLIS AFB		
Owner addr:	FACILITY 941		
Owner no:	MW-032		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	02/26/1989 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	43
Depth drilled:	98	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	96
Casing diameter:	2		
Casing reduc:	0	Top perf:	66
Bottom perf:	96	Perf interval:	1
Static wl:	72.2		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	F		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	H-F DRILLING INC
Contract 2:	2456B S MANHATTAN FULLERTON CA		
Contract 3:	0		
Driller li:	1614	Source age:	NV003
User id:	NAFLECKS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	02/25/1989 00:00:00
Gravel p 1:	53	Gravel p 2:	98
Utm x:	676473.74027		
Utm y:	4012340.64717		

**N215**  
**SE**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000032487**

Sequence #:	7174	Well log:	31524
App:	Not Reported	Notice of :	0
Waiver no:	Not Reported	Date log r:	05/04/1989 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	BD
Legal quarter:	SE NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.24169921875
Longitude:	-115.036003112793	Lat long s:	NV003
Lat long acc:	T		
Owner current:	NELLIS AFB		
Owner addr:	FACILITY 941		
Owner no:	MW-033		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	02/26/1989 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	45
Depth drilled:	90	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	89
Casing diameter:	2		
Casing reduc:	0	Top perf:	59
Bottom perf:	89	Perf interval:	1
Static wl:	67.5		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	P		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	H-F DRILLING INC
Contract 2:	1456B S MANHATTAN FULLERTON CA		
Contract 3:	0		
Driller li:	1614	Source age:	NV003
User id:	NAFLECKS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	02/26/1989 00:00:00
Gravel p 1:	49	Gravel p 2:	90
Utm x:	676473.74027		
Utm y:	4012340.64717		

**N216  
SE  
1/2 - 1 Mile  
Lower**

**NV WELLS      NV2000000032489**

Sequence #:	7176	Well log:	31526
App:	Not Reported	Notice of :	0
Waiver no:	Not Reported	Date log r:	05/04/1989 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	BD
Legal quarter:	SE NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.24169921875
Longitude:	-115.036003112793	Lat long s:	NV003
Lat long acc:	T		
Owner current:	NELLIS AFB		
Owner addr:	FACILITY 941		
Owner no:	MW-031		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	02/24/1989 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	44

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	88	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	88
Casing diameter:	2		
Casing reduc:	0	Top perf:	58
Bottom perf:	88	Perf interval:	1
Static wl:	71		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	F		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	H-F DRILLING INC
Contract 2:	1456B S MANHATTAN FULLERTON CA		
Contract 3:	0		
Driller li:	1614	Source age:	NV003
User id:	NAFLECKS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	02/24/1989 00:00:00
Gravel p 1:	48	Gravel p 2:	88
Utm x:	676473.74027		
Utm y:	4012340.64717		

**N217  
SE  
1/2 - 1 Mile  
Lower**

**NV WELLS      NV2000000032491**

Sequence #:	9750	Well log:	34022
App:	Not Reported	Notice of :	12295
Waiver no:	Not Reported	Date log r:	06/29/1990 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	BD
Legal quarter:	SE NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.24169921875
Longitude:	-115.036003112793	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S ARMY		
Owner addr:	NELLIS AFB		
Owner no:	MW-45		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	04/20/1990 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	0
Depth drilled:	87	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	86
Casing diameter:	4		
Casing reduc:	0	Top perf:	56
Bottom perf:	86	Perf interval:	1
Static wl:	65		
Temperature:	74		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	H-F DRILLING INC
Contract 2:	1456B MANHATTAN FULLERTON NV		
Contract 3:	1614		
Driller li:	1614	Source age:	NV003
User id:	AVTYPER	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	04/19/1990 00:00:00
Gravel p 1:	49	Gravel p 2:	87
Utm x:	676473.74027		
Utm y:	4012340.64717		

**N218  
SE  
1/2 - 1 Mile  
Lower**

**NV WELLS      NV2000000032490**

Sequence #:	7177	Well log:	31527
App:	Not Reported	Notice of :	0
Waiver no:	Not Reported	Date log r:	05/04/1989 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	BD
Legal quarter:	SE NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.24169921875
Longitude:	-115.036003112793	Lat long s:	NV003
Lat long acc:	T		
Owner current:	NELLIS AFB		
Owner addr:	FACILITY 941		
Owner no:	MW-030		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	02/23/1989 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	48
Depth drilled:	92	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	92
Casing diameter:	2		
Casing reduc:	0	Top perf:	62
Bottom perf:	92	Perf interval:	1
Static wl:	70		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	H-F DRILLING INC
Contract 2:	1456B S MANHATTAN FULLERTON CA		
Contract 3:	0		
Driller li:	1614	Source age:	NV003
User id:	NAFLECKS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	02/23/1989 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	53	Gravel p 2:	92
Utm x:	676473.74027		
Utm y:	4012340.64717		

**N219**  
**SE**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS    NV2000000032498**

Sequence #:	15909	Well log:	40172
App:	Not Reported	Notice of :	12273
Waiver no:	Not Reported	Date log r:	06/18/1990 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	BD
Legal quarter:	SE NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.24169921875
Longitude:	-115.036003112793	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S ARMY		
Owner addr:	NELLIS AFB		
Owner no:	MW-44		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	04/19/1990 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	53
Depth drilled:	98	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	96
Casing diameter:	4		
Casing reduc:	0	Top perf:	66
Bottom perf:	96	Perf interval:	1
Static wl:	68		
Temperature:	73		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	H-F DRILLING INC
Contract 2:	1456B S MANHATN FULLERTON CA		
Contract 3:	1614		
Driller li:	1614	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	04/18/1990 00:00:00
Gravel p 1:	60	Gravel p 2:	98
Utm x:	676473.74027		
Utm y:	4012340.64717		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**N220**  
**SE**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000032506**

Sequence #:	17315	Well log:	41578
App:	Not Reported	Notice of :	23734
Waiver no:	MO-2248	Date log r:	06/18/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	BD
Legal quarter:	SE NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.24169921875
Longitude:	-115.036003112793	Lat long s:	NV003
Lat long acc:	T		
Owner current:	NELLIS AFB		
Owner addr:	NELLIS AFB		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	05/05/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	40
Depth drilled:	57	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	57
Casing diameter:	4		
Casing reduc:	0	Top perf:	42
Bottom perf:	57	Perf interval:	1
Static wl:	51		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS LV NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/13/1998 00:00:00
Edit statu:	F	Well start:	05/05/1993 00:00:00
Gravel p 1:	40	Gravel p 2:	57
Utm x:	676473.74027		
Utm y:	4012340.64717		

**N221**  
**SE**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000032505**

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	17314	Well log:	41577
App:	Not Reported	Notice of :	23733
Waiver no:	MO-2248	Date log r:	06/18/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	BD
Legal quarter:	SE NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.24169921875
Longitude:	-115.036003112793	Lat long s:	NV003
Lat long acc:	T		
Owner current:	NELLIS AFB		
Owner addr:	NELLIS AFB		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	05/06/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	37
Depth drilled:	54	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	54
Casing diameter:	4		
Casing reduc:	0	Top perf:	39
Bottom perf:	54	Perf interval:	1
Static wl:	47		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS LV NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	05/06/1993 00:00:00
Gravel p 1:	37	Gravel p 2:	54
Utm x:	676473.74027		
Utm y:	4012340.64717		

**N222  
SE  
1/2 - 1 Mile  
Lower**

**NV WELLS      NV2000000032507**

Sequence #:	17316	Well log:	41579
App:	Not Reported	Notice of :	23735
Waiver no:	MO-2248	Date log r:	06/18/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	03	Sec quarter:	BD
Legal quarter:	SE NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.24169921875
Longitude:	-115.036003112793	Lat long s:	NV003
Lat long acc:	T		
Owner current:	NELLIS AFB		
Owner addr:	NELLIS AFB		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	05/04/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	38
Depth drilled:	55	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	55
Casing diameter:	4		
Casing reduc:	0	Top perf:	40
Bottom perf:	55	Perf interval:	1
Static wl:	50		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS LV NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	05/04/1993 00:00:00
Gravel p 1:	38	Gravel p 2:	55
Utm x:	676473.74027		
Utm y:	4012340.64717		

**N223**  
**SE**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000032509**

Sequence #:	17318	Well log:	41581
App:	Not Reported	Notice of :	23737
Waiver no:	MO-2248	Date log r:	06/18/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	BD
Legal quarter:	SE NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.24169921875
Longitude:	-115.036003112793	Lat long s:	NV003
Lat long acc:	T		
Owner current:	NELLIS AFB		
Owner addr:	NELLIS AFB		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	04/27/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	38
Depth drilled:	55	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	55
Casing diameter:	4		
Casing reduc:	0	Top perf:	40
Bottom perf:	55	Perf interval:	1
Static wl:	49		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS LV NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	04/27/1993 00:00:00
Gravel p 1:	38	Gravel p 2:	55
Utm x:	676473.74027		
Utm y:	4012340.64717		

**N224  
SE  
1/2 - 1 Mile  
Lower**

**NV WELLS      NV2000000032508**

Sequence #:	17317	Well log:	41580
App:	Not Reported	Notice of :	23736
Waiver no:	MO-2248	Date log r:	06/18/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	BD
Legal quarter:	SE NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.24169921875
Longitude:	-115.036003112793	Lat long s:	NV003
Lat long acc:	T		
Owner current:	NELLIS AFB		
Owner addr:	NELLIS AFB		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	04/28/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	38

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	55	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	55
Casing diameter:	4		
Casing reduc:	0	Top perf:	40
Bottom perf:	55	Perf interval:	1
Static wl:	50		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS LV NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	04/28/1993 00:00:00
Gravel p 1:	38	Gravel p 2:	55
Utm x:	676473.74027		
Utm y:	4012340.64717		

**N225  
SE  
1/2 - 1 Mile  
Lower**

**NV WELLS      NV2000000032504**

Sequence #:	17313	Well log:	41576
App:	Not Reported	Notice of :	23732
Waiver no:	MO-2248	Date log r:	06/18/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	BD
Legal quarter:	SE NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.24169921875
Longitude:	-115.036003112793	Lat long s:	NV003
Lat long acc:	T		
Owner current:	NELLIS AFB		
Owner addr:	NELLIS AFB		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	05/07/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	37
Depth drilled:	54	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	54
Casing diameter:	4		
Casing reduc:	0	Top perf:	39
Bottom perf:	54	Perf interval:	1
Static wl:	47		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS LV NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	05/07/1993 00:00:00
Gravel p 1:	37	Gravel p 2:	54
Utm x:	676473.74027		
Utm y:	4012340.64717		

**N226  
SE  
1/2 - 1 Mile  
Lower**

**NV WELLS      NV2000000032500**

Sequence #:	17309	Well log:	41572
App:	Not Reported	Notice of :	23728
Waiver no:	MO-2248	Date log r:	06/18/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	BD
Legal quarter:	SE NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.24169921875
Longitude:	-115.036003112793	Lat long s:	NV003
Lat long acc:	T		
Owner current:	NELLIS AFB		
Owner addr:	NELLIS AFB		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	05/12/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	41
Depth drilled:	58	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	58
Casing diameter:	4		
Casing reduc:	0	Top perf:	43
Bottom perf:	58	Perf interval:	1
Static wl:	45		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS LV NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	05/12/1993 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	41	Gravel p 2:	58
Utm x:	676473.74027		
Utm y:	4012340.64717		

**N227**  
**SE**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS    NV2000000032499**

Sequence #:	15910	Well log:	40173
App:	Not Reported	Notice of :	12274
Waiver no:	Not Reported	Date log r:	06/18/1990 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	BD
Legal quarter:	SE NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.24169921875
Longitude:	-115.036003112793	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S ARMY		
Owner addr:	NELLIS AFB		
Owner no:	MW-43		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	04/16/1990 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	59
Depth drilled:	100	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	100
Casing diameter:	4		
Casing reduc:	0	Top perf:	70
Bottom perf:	100	Perf interval:	1
Static wl:	74		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	H-F DRILLING INC
Contract 2:	1456B S MANHATN FULLERTON CA		
Contract 3:	1614		
Driller li:	1614	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	04/16/1990 00:00:00
Gravel p 1:	65	Gravel p 2:	100
Utm x:	676473.74027		
Utm y:	4012340.64717		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**N228**  
**SE**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000032501**

Sequence #:	17310	Well log:	41573
App:	Not Reported	Notice of :	23729
Waiver no:	MO-2248	Date log r:	06/18/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	U
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	BD
Legal quarter:	SE NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.24169921875
Longitude:	-115.036003112793	Lat long s:	NV003
Lat long acc:	T		
Owner current:	NELLIS AFB		
Owner addr:	Not Reported		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	05/11/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	43
Depth drilled:	60	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	60
Casing diameter:	4		
Casing reduc:	0	Top perf:	45
Bottom perf:	60	Perf interval:	1
Static wl:	55		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS LV NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	05/11/1993 00:00:00
Gravel p 1:	43	Gravel p 2:	60
Utm x:	676473.74027		
Utm y:	4012340.64717		

**N229**  
**SE**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000032503**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	17312	Well log:	41575
App:	Not Reported	Notice of :	23731
Waiver no:	MO-2248	Date log r:	06/18/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	BD
Legal quarter:	SE NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.24169921875
Longitude:	-115.036003112793	Lat long s:	NV003
Lat long acc:	T		
Owner current:	NELLIS AFB		
Owner addr:	NELLIS AFB		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	05/08/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	37
Depth drilled:	54	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	54
Casing diameter:	4		
Casing reduc:	0	Top perf:	39
Bottom perf:	54	Perf interval:	1
Static wl:	46		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS LV NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	05/08/1993 00:00:00
Gravel p 1:	37	Gravel p 2:	54
Utm x:	676473.74027		
Utm y:	4012340.64717		

**N230  
SE  
1/2 - 1 Mile  
Lower**

**NV WELLS      NV2000000032502**

Sequence #:	17311	Well log:	41574
App:	Not Reported	Notice of :	23730
Waiver no:	MO-2248	Date log r:	06/18/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	03	Sec quarter:	BD
Legal quarter:	SE NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.24169921875
Longitude:	-115.036003112793	Lat long s:	NV003
Lat long acc:	T		
Owner current:	NELLIS AFB		
Owner addr:	NELLIS AFB		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	05/10/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	41
Depth drilled:	58	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	58
Casing diameter:	4		
Casing reduc:	0	Top perf:	43
Bottom perf:	58	Perf interval:	1
Static wl:	52		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS LV NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	05/10/1993 00:00:00
Gravel p 1:	41	Gravel p 2:	58
Utm x:	676473.74027		
Utm y:	4012340.64717		

**O231  
North  
1/2 - 1 Mile  
Higher**

**NV WELLS      NV2000000034518**

Sequence #:	18112	Well log:	42375
App:	Not Reported	Notice of :	10780
Waiver no:	MO-2258	Date log r:	09/14/1993 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	07/15/1993 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	130	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	130
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS AVE LV NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	01/06/1997 00:00:00
Edit statu:	F	Well start:	08/30/1993 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O232  
North  
1/2 - 1 Mile  
Higher**

**NV WELLS      NV2000000034519**

Sequence #:	18113	Well log:	42376
App:	Not Reported	Notice of :	10780
Waiver no:	MO-2258	Date log r:	09/14/1993 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported	Subdivisio:	Not Reported
Parcel no:	Not Reported	Block no:	Not Reported
Lot no:	Not Reported	Date cmplt:	D
Well finish:	07/13/1993 00:00:00	Depth seal:	0
Gravel pack:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	130	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	130
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS AVE LV NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	01/06/1997 00:00:00
Edit statu:	F	Well start:	08/30/1993 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O233**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**NV WELLS      NV2000000034520**

Sequence #:	18114	Well log:	42377
App:	Not Reported	Notice of :	10780
Waiver no:	MO-2258	Date log r:	09/14/1993 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/09/1993 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	130	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	130
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS AVE LV NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	01/06/1997 00:00:00
Edit statu:	F	Well start:	08/30/1993 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O234  
North  
1/2 - 1 Mile  
Higher**

**NV WELLS      NV2000000034515**

Sequence #:	17292	Well log:	41555
App:	Not Reported	Notice of :	23716
Waiver no:	MO-2258	Date log r:	06/18/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported	Subdivisio:	Not Reported
Parcel no:	Not Reported	Block no:	Not Reported
Lot no:	Not Reported	Date cmplt:	D
Well finish:	06/02/1993 00:00:00	Depth seal:	122
Gravel pack:	Y	Depth bedrock:	0
Depth drilled:	128	Depth case:	128
Aquifer depth:	Not Reported		
Casing diameter:	2	Top perf:	126
Casing reduc:	0	Perf interval:	1
Bottom perf:	128		
Static wl:	95		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS LV NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	12/31/1996 00:00:00
Edit statu:	F	Well start:	05/05/1993 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	0	Gravel p 2:	0
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O235**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**NV WELLS    NV2000000034516**

Sequence #:	18110	Well log:	42373
App:	Not Reported	Notice of :	10780
Waiver no:	MO-2258	Date log r:	09/14/1993 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/21/1993 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	130	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	130
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS AVE LV NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	01/06/1997 00:00:00
Edit statu:	F	Well start:	08/30/1993 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676041.902203		
Utm y:	4013934.9705		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**O236**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**NV WELLS      NV2000000034517**

Sequence #:	18111	Well log:	42374
App:	Not Reported	Notice of :	10780
Waiver no:	MO-2258	Date log r:	09/14/1993 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	U
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/19/1993 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	130	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	130
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS AVE LV NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	01/06/1997 00:00:00
Edit statu:	F	Well start:	08/30/1993 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O237**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**NV WELLS      NV2000000034524**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	45032	Well log:	66469
App:	Not Reported	Notice of :	12112
Waiver no:	MO-2258A	Date log r:	12/16/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	12/03/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	75
Depth drilled:	130	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	129
Casing diameter:	4.5		
Casing reduc:	0	Top perf:	79
Bottom perf:	126	Perf interval:	1
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	THOMAS HIGH
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV 89103		
Contract 3:	0		
Driller li:	1869	Source age:	NV003
User id:	KCOON	Date entry:	07/08/1997 00:00:00
Update use:	user15	Date updat:	02/02/1998 00:00:00
Edit statu:	F	Well start:	12/02/1993 00:00:00
Gravel p 1:	75	Gravel p 2:	130
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O238  
North  
1/2 - 1 Mile  
Higher**

**NV WELLS      NV2000000034525**

Sequence #:	45033	Well log:	66470
App:	Not Reported	Notice of :	12112
Waiver no:	Not Reported	Date log r:	12/16/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	11/23/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	75
Depth drilled:	130	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	129
Casing diameter:	4.5		
Casing reduc:	0	Top perf:	79
Bottom perf:	126	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	THOMAS HIGH
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV 89103		
Contract 3:	0		
Driller li:	1869	Source age:	NV003
User id:	KCOON	Date entry:	07/08/1997 00:00:00
Update use:	user15	Date updat:	02/02/1998 00:00:00
Edit statu:	F	Well start:	11/22/1993 00:00:00
Gravel p 1:	75	Gravel p 2:	130
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O239**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**NV WELLS      NV2000000034526**

Sequence #:	45034	Well log:	66471
App:	Not Reported	Notice of :	12112
Waiver no:	MO-2258A	Date log r:	12/16/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	11/22/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	75
Depth drilled:	130	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	129
Casing diameter:	4.5		
Casing reduc:	0	Top perf:	79
Bottom perf:	126	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	THOMAS HIGH
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV 89103		
Contract 3:	0		
Driller li:	1869	Source age:	NV003
User id:	KCOON	Date entry:	07/08/1997 00:00:00
Update use:	user15	Date updat:	02/02/1998 00:00:00
Edit statu:	F	Well start:	11/19/1993 00:00:00
Gravel p 1:	75	Gravel p 2:	130
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O240  
North  
1/2 - 1 Mile  
Higher**

**NV WELLS      NV2000000034521**

Sequence #:	18115	Well log:	42378
App:	Not Reported	Notice of :	10780
Waiver no:	MO-2258	Date log r:	09/14/1993 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported	Subdivisio:	Not Reported
Parcel no:	Not Reported	Block no:	Not Reported
Lot no:	Not Reported	Date cmplt:	D
Well finish:	07/07/1993 00:00:00	Depth seal:	0
Gravel pack:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	130	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	130
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS AVE LV NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	01/06/1997 00:00:00
Edit statu:	F	Well start:	08/30/1993 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O241  
North  
1/2 - 1 Mile  
Higher**

**NV WELLS      NV2000000034522**

Sequence #:	39273	Well log:	61425
App:	Not Reported	Notice of :	17677
Waiver no:	Not Reported	Date log r:	02/19/1997 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	U
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	520-580-003	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	11/19/1996 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	0		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	N
Qual lith :	N		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	Not Reported
Contract 2:	Not Reported		
Contract 3:	0		
Driller li:	1869	Source age:	NV003
User id:	DBRANTLE	Date entry:	02/21/1997 00:00:00
Update use:	Not Reported	Date updat:	02/24/1997 00:00:00
Edit statu:	F	Well start:	11/19/1996 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O242  
North  
1/2 - 1 Mile  
Higher**

**NV WELLS      NV2000000034523**

Sequence #:	45031	Well log:	66468
App:	Not Reported	Notice of :	12112
Waiver no:	MO-2258A	Date log r:	12/16/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported	Subdivisio:	Not Reported
Parcel no:	Not Reported	Block no:	Not Reported
Lot no:	Not Reported	Date cmplt:	D
Well finish:	12/10/1993 00:00:00	Depth seal:	75
Gravel pack:	Y	Depth bedrock:	0
Depth drilled:	130	Depth case:	129
Aquifer depth:	Not Reported		
Casing diameter:	4.5	Top perf:	79
Casing reduc:	0	Perf interval:	2
Bottom perf:	126		
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	THOMAS HIGH
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV 89103		
Contract 3:	0		
Driller li:	1869	Source age:	NV003
User id:	KCOON	Date entry:	07/08/1997 00:00:00
Update use:	user15	Date updat:	02/02/1998 00:00:00
Edit statu:	F	Well start:	12/06/1993 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	75	Gravel p 2:	130
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O243**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**NV WELLS    NV2000000034506**

Sequence #:	16459	Well log:	40722
App:	Not Reported	Notice of :	23707
Waiver no:	MO-2258	Date log r:	03/26/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/16/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	123
Depth drilled:	128	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	127
Casing diameter:	2		
Casing reduc:	0	Top perf:	125
Bottom perf:	127	Perf interval:	1
Static wl:	100		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS AVE LV NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	01/06/1997 00:00:00
Edit statu:	F	Well start:	02/01/1993 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676041.902203		
Utm y:	4013934.9705		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**O244**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**NV WELLS      NV2000000034507**

Sequence #:	17284	Well log:	41547
App:	Not Reported	Notice of :	23708
Waiver no:	MO-2258	Date log r:	06/18/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	05/19/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	122
Depth drilled:	127	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	127
Casing diameter:	2		
Casing reduc:	0	Top perf:	125
Bottom perf:	127	Perf interval:	1
Static wl:	100		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS AVE LV NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	12/31/1996 00:00:00
Edit statu:	F	Well start:	05/05/1993 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O245**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**NV WELLS      NV2000000034508**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	17285	Well log:	41548
App:	Not Reported	Notice of :	23709
Waiver no:	MO-2258	Date log r:	06/18/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	05/20/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	122
Depth drilled:	127	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	127
Casing diameter:	2		
Casing reduc:	0	Top perf:	125
Bottom perf:	127	Perf interval:	1
Static wl:	110		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS LV NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	12/31/1996 00:00:00
Edit statu:	F	Well start:	05/05/1993 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O246  
North  
1/2 - 1 Mile  
Higher**

**NV WELLS      NV2000000034503**

Sequence #:	8881	Well log:	33195
App:	53759	Notice of :	5896
Waiver no:	Not Reported	Date log r:	04/06/1990 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	P	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	WOOD, WARREN		
Owner addr:	Not Reported		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	01/25/1990 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	125
Depth drilled:	370	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	370
Casing diameter:	8.62		
Casing reduc:	0	Top perf:	290
Bottom perf:	350	Perf interval:	1
Static wl:	95		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	10062	Contract 1:	DIMICK DRILLING
Contract 2:	5360 N BONITA VISTA ST LAS VEGAS NV 89129		
Contract 3:	552		
Driller li:	552	Source age:	NV003
User id:	TLELLIS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	03/06/1997 00:00:00
Edit statu:	F	Well start:	01/12/1990 00:00:00
Gravel p 1:	125	Gravel p 2:	370
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O247**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**NV WELLS      NV2000000034504**

Sequence #:	16457	Well log:	40720
App:	Not Reported	Notice of :	23705
Waiver no:	MO-2258	Date log r:	03/26/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	03/15/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	123
Depth drilled:	127	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	127
Casing diameter:	2		
Casing reduc:	0	Top perf:	125
Bottom perf:	127	Perf interval:	1
Static wl:	100		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	01/06/1997 00:00:00
Edit statu:	F	Well start:	02/01/1993 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O248  
North  
1/2 - 1 Mile  
Higher**

**NV WELLS      NV2000000034505**

Sequence #:	16458	Well log:	40721
App:	Not Reported	Notice of :	23706
Waiver no:	MO-2258	Date log r:	03/26/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported	Subdivisio:	Not Reported
Parcel no:	Not Reported	Block no:	Not Reported
Lot no:	Not Reported	Date cmplt:	D
Well finish:	03/15/1993 00:00:00	Depth seal:	123
Gravel pack:	Y		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	127	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	127
Casing diameter:	2		
Casing reduc:	0	Top perf:	125
Bottom perf:	127	Perf interval:	1
Static wl:	100		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS AVE LV NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	01/06/1997 00:00:00
Edit statu:	F	Well start:	02/01/1993 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O249  
North  
1/2 - 1 Mile  
Higher**

**NV WELLS      NV2000000034512**

Sequence #:	17289	Well log:	41552
App:	Not Reported	Notice of :	23713
Waiver no:	MO-2258	Date log r:	06/18/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	05/27/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	122
Depth drilled:	128	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	128
Casing diameter:	2		
Casing reduc:	0	Top perf:	126
Bottom perf:	128	Perf interval:	1
Static wl:	103		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS LV NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	12/31/1996 00:00:00
Edit statu:	F	Well start:	05/05/1993 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O250  
North  
1/2 - 1 Mile  
Higher**

**NV WELLS      NV2000000034513**

Sequence #:	17290	Well log:	41553
App:	Not Reported	Notice of :	23714
Waiver no:	MO-2258	Date log r:	06/18/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported	Subdivisio:	Not Reported
Parcel no:	Not Reported	Block no:	Not Reported
Lot no:	Not Reported	Date cmplt:	D
Well finish:	06/01/1993 00:00:00	Depth seal:	122
Gravel pack:	Y	Depth bedrock:	0
Depth drilled:	128	Depth case:	128
Aquifer depth:	Not Reported		
Casing diameter:	2	Top perf:	126
Casing reduc:	0	Perf interval:	1
Bottom perf:	128		
Static wl:	100		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS LV NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	12/31/1996 00:00:00
Edit statu:	F	Well start:	05/05/1993 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	0	Gravel p 2:	0
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O251**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**NV WELLS    NV2000000034514**

Sequence #:	17291	Well log:	41554
App:	Not Reported	Notice of :	23715
Waiver no:	MO-2258	Date log r:	06/18/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	06/02/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	122
Depth drilled:	128	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	128
Casing diameter:	2		
Casing reduc:	0	Top perf:	126
Bottom perf:	128	Perf interval:	1
Static wl:	96		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS LV NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	12/31/1996 00:00:00
Edit statu:	F	Well start:	05/05/1993 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676041.902203		
Utm y:	4013934.9705		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**O252**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**NV WELLS      NV2000000034509**

Sequence #:	17286	Well log:	41549
App:	Not Reported	Notice of :	23710
Waiver no:	MO-2258	Date log r:	06/18/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	05/21/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	122
Depth drilled:	127	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	127
Casing diameter:	2		
Casing reduc:	0	Top perf:	125
Bottom perf:	127	Perf interval:	1
Static wl:	118		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS LV NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	12/31/1996 00:00:00
Edit statu:	F	Well start:	05/05/1993 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O253**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**NV WELLS      NV2000000034510**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	17287	Well log:	41550
App:	Not Reported	Notice of :	23711
Waiver no:	MO-2258	Date log r:	06/18/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	05/26/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	122
Depth drilled:	128	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	128
Casing diameter:	2		
Casing reduc:	0	Top perf:	126
Bottom perf:	128	Perf interval:	1
Static wl:	107		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS LV NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	12/31/1996 00:00:00
Edit statu:	F	Well start:	05/05/1993 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O254  
North  
1/2 - 1 Mile  
Higher**

**NV WELLS      NV2000000034511**

Sequence #:	17288	Well log:	41551
App:	Not Reported	Notice of :	23712
Waiver no:	MO-2258	Date log r:	05/27/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	05/27/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	122
Depth drilled:	128	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	128
Casing diameter:	2		
Casing reduc:	0	Top perf:	126
Bottom perf:	128	Perf interval:	1
Static wl:	108		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS LV NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	12/31/1996 00:00:00
Edit statu:	F	Well start:	05/05/1993 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O255  
North  
1/2 - 1 Mile  
Higher**

**NV WELLS      NV2000000034542**

Sequence #:	45093	Well log:	66530
App:	Not Reported	Notice of :	12090
Waiver no:	MO-2304	Date log r:	11/02/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	07/19/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	120
Depth drilled:	130	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	129
Casing diameter:	2.37		
Casing reduc:	0	Top perf:	125
Bottom perf:	127	Perf interval:	1
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KCOON	Date entry:	07/09/1997 00:00:00
Update use:	user15	Date updat:	02/02/1998 00:00:00
Edit statu:	F	Well start:	07/16/1993 00:00:00
Gravel p 1:	123	Gravel p 2:	130
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O256  
North  
1/2 - 1 Mile  
Higher**

**NV WELLS      NV2000000034543**

Sequence #:	45097	Well log:	66534
App:	Not Reported	Notice of :	12090
Waiver no:	MO-2304	Date log r:	11/02/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported	Subdivisio:	Not Reported
Parcel no:	Not Reported	Block no:	Not Reported
Lot no:	Not Reported	Date cmplt:	D
Well finish:	07/15/1993 00:00:00	Depth seal:	120
Gravel pack:	Y		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	130	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	129
Casing diameter:	2.37		
Casing reduc:	0	Top perf:	125
Bottom perf:	127	Perf interval:	1
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KCOON	Date entry:	07/09/1997 00:00:00
Update use:	user15	Date updat:	02/02/1998 00:00:00
Edit statu:	F	Well start:	07/14/1993 00:00:00
Gravel p 1:	123	Gravel p 2:	130
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O257**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**NV WELLS      NV2000000034544**

Sequence #:	45098	Well log:	66535
App:	Not Reported	Notice of :	12090
Waiver no:	MO-2304	Date log r:	11/02/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/27/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	120
Depth drilled:	130	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	129
Casing diameter:	2.37		
Casing reduc:	0	Top perf:	125
Bottom perf:	127	Perf interval:	1
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KCOON	Date entry:	07/09/1997 00:00:00
Update use:	user15	Date updat:	02/02/1998 00:00:00
Edit statu:	F	Well start:	07/26/1993 00:00:00
Gravel p 1:	123	Gravel p 2:	130
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O258  
North  
1/2 - 1 Mile  
Higher**

**NV WELLS      NV2000000034539**

Sequence #:	45078	Well log:	66515
App:	Not Reported	Notice of :	12112
Waiver no:	MO-2258A	Date log r:	11/02/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	10/05/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	75
Depth drilled:	130	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	129
Casing diameter:	4.5		
Casing reduc:	0	Top perf:	79
Bottom perf:	126	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KCOON	Date entry:	07/09/1997 00:00:00
Update use:	user15	Date updat:	02/02/1998 00:00:00
Edit statu:	F	Well start:	10/04/1993 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	75	Gravel p 2:	130
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O259**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**NV WELLS    NV2000000034540**

Sequence #:	45081	Well log:	66518
App:	Not Reported	Notice of :	12112
Waiver no:	MO-2258A	Date log r:	11/02/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	10/01/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	75
Depth drilled:	130	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	129
Casing diameter:	4.5		
Casing reduc:	0	Top perf:	79
Bottom perf:	126	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KCOON	Date entry:	07/09/1997 00:00:00
Update use:	user15	Date updat:	02/02/1998 00:00:00
Edit statu:	F	Well start:	10/01/1993 00:00:00
Gravel p 1:	75	Gravel p 2:	130
Utm x:	676041.902203		
Utm y:	4013934.9705		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**O260**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**NV WELLS      NV2000000034541**

Sequence #:	45082	Well log:	66519
App:	Not Reported	Notice of :	12112
Waiver no:	MO-2258A	Date log r:	11/02/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	09/30/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	75
Depth drilled:	130	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	129
Casing diameter:	4.5		
Casing reduc:	0	Top perf:	79
Bottom perf:	126	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KCOON	Date entry:	07/09/1997 00:00:00
Update use:	user15	Date updat:	02/02/1998 00:00:00
Edit statu:	F	Well start:	09/29/1993 00:00:00
Gravel p 1:	75	Gravel p 2:	130
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O261**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**NV WELLS      NV2000000034548**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	45113	Well log:	66550
App:	Not Reported	Notice of :	13761
Waiver no:	MO-2258A	Date log r:	12/30/1994 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	U
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	TW-13		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	11/14/1994 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	0		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	N		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	THOMAS HIGH
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV 89103		
Contract 3:	0		
Driller li:	1869	Source age:	NV003
User id:	KCOON	Date entry:	07/09/1997 00:00:00
Update use:	dsdavis	Date updat:	02/10/1998 00:00:00
Edit statu:	F	Well start:	11/14/1994 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O262  
North  
1/2 - 1 Mile  
Higher**

**NV WELLS      NV2000000034549**

Sequence #:	45117	Well log:	66554
App:	Not Reported	Notice of :	13761
Waiver no:	MO-2258A	Date log r:	12/30/1994 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	U
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	TW-11		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	11/14/1994 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	0		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	N		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	THOMAS HIGH
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV 89103		
Contract 3:	0		
Driller li:	1869	Source age:	NV003
User id:	KCOON	Date entry:	07/09/1997 00:00:00
Update use:	dsdavis	Date updat:	02/10/1998 00:00:00
Edit statu:	F	Well start:	11/14/1994 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O263**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**NV WELLS      NV2000000034550**

Sequence #:	45119	Well log:	66556
App:	Not Reported	Notice of :	13761
Waiver no:	Not Reported	Date log r:	12/30/1994 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	U
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	8-R		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	11/14/1994 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	0		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	N		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	THOMAS HIGH
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV 89103		
Contract 3:	0		
Driller li:	1869	Source age:	NV003
User id:	KCOON	Date entry:	07/09/1997 00:00:00
Update use:	dsdavis	Date updat:	02/10/1998 00:00:00
Edit statu:	F	Well start:	11/14/1994 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O264  
North  
1/2 - 1 Mile  
Higher**

**NV WELLS      NV2000000034545**

Sequence #:	45104	Well log:	66541
App:	Not Reported	Notice of :	12090
Waiver no:	MO-2304	Date log r:	11/02/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported	Subdivisio:	Not Reported
Parcel no:	Not Reported	Block no:	Not Reported
Lot no:	Not Reported	Date cmplt:	D
Well finish:	08/14/1993 00:00:00	Depth seal:	120
Gravel pack:	Y		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	130	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	129
Casing diameter:	2.37		
Casing reduc:	0	Top perf:	125
Bottom perf:	127	Perf interval:	1
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KCOON	Date entry:	07/09/1997 00:00:00
Update use:	user15	Date updat:	02/02/1998 00:00:00
Edit statu:	F	Well start:	08/12/1993 00:00:00
Gravel p 1:	122	Gravel p 2:	130
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O265**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**NV WELLS      NV2000000034546**

Sequence #:	45105	Well log:	66542
App:	Not Reported	Notice of :	12090
Waiver no:	MO-2304	Date log r:	11/02/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	08/16/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	120
Depth drilled:	130	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	129
Casing diameter:	2.37		
Casing reduc:	0	Top perf:	125
Bottom perf:	127	Perf interval:	1
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KCOON	Date entry:	07/09/1997 00:00:00
Update use:	user15	Date updat:	02/02/1998 00:00:00
Edit statu:	F	Well start:	08/16/1993 00:00:00
Gravel p 1:	123	Gravel p 2:	130
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O266  
North  
1/2 - 1 Mile  
Higher**

**NV WELLS      NV2000000034547**

Sequence #:	45106	Well log:	66543
App:	Not Reported	Notice of :	12090
Waiver no:	MO-2304	Date log r:	11/02/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported	Subdivisio:	Not Reported
Parcel no:	Not Reported	Block no:	Not Reported
Lot no:	Not Reported	Date cmplt:	D
Well finish:	08/17/1993 00:00:00	Depth seal:	120
Gravel pack:	Y	Depth bedrock:	0
Depth drilled:	130	Depth case:	129
Aquifer depth:	Not Reported		
Casing diameter:	2.37	Top perf:	125
Casing reduc:	0	Perf interval:	1
Bottom perf:	127		
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KCOON	Date entry:	07/09/1997 00:00:00
Update use:	user15	Date updat:	02/02/1998 00:00:00
Edit statu:	F	Well start:	08/17/1993 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	123	Gravel p 2:	130
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O267**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**NV WELLS    NV2000000034530**

Sequence #:	45038	Well log:	66475
App:	Not Reported	Notice of :	12112
Waiver no:	MO-2258A	Date log r:	11/16/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	11/02/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	75
Depth drilled:	130	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	129
Casing diameter:	4.5		
Casing reduc:	0	Top perf:	79
Bottom perf:	126	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	WILLIAM MAXWELL
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV		
Contract 3:	0		
Driller li:	1589	Source age:	NV003
User id:	KCOON	Date entry:	07/08/1997 00:00:00
Update use:	user15	Date updat:	02/02/1998 00:00:00
Edit statu:	F	Well start:	11/01/1993 00:00:00
Gravel p 1:	75	Gravel p 2:	130
Utm x:	676041.902203		
Utm y:	4013934.9705		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**O268**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**NV WELLS      NV2000000034531**

Sequence #:	45039	Well log:	66476
App:	Not Reported	Notice of :	12112
Waiver no:	MO-2258A	Date log r:	11/04/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	11/01/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	75
Depth drilled:	130	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	129
Casing diameter:	4.5		
Casing reduc:	0	Top perf:	79
Bottom perf:	126	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	WILLIAM MAXWELL
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV		
Contract 3:	0		
Driller li:	1589	Source age:	NV003
User id:	KCOON	Date entry:	07/08/1997 00:00:00
Update use:	user15	Date updat:	02/02/1998 00:00:00
Edit statu:	F	Well start:	10/29/1993 00:00:00
Gravel p 1:	75	Gravel p 2:	130
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O269**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**NV WELLS      NV2000000034532**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	45040	Well log:	66477
App:	Not Reported	Notice of :	12112
Waiver no:	MO-2258A	Date log r:	11/04/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	11/01/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	75
Depth drilled:	130	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	129
Casing diameter:	4.5		
Casing reduc:	0	Top perf:	79
Bottom perf:	126	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	THOMAS HIGH
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV 89103		
Contract 3:	0		
Driller li:	1869	Source age:	NV003
User id:	KCOON	Date entry:	07/08/1997 00:00:00
Update use:	user15	Date updat:	02/02/1998 00:00:00
Edit statu:	F	Well start:	10/29/1993 00:00:00
Gravel p 1:	75	Gravel p 2:	130
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O270  
North  
1/2 - 1 Mile  
Higher**

**NV WELLS      NV2000000034527**

Sequence #:	45035	Well log:	66472
App:	Not Reported	Notice of :	12112
Waiver no:	MO-2258A	Date log r:	12/16/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	11/12/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	75
Depth drilled:	130	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	129
Casing diameter:	4.5		
Casing reduc:	0	Top perf:	79
Bottom perf:	126	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	THOMAS HIGH
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV 89103		
Contract 3:	0		
Driller li:	1869	Source age:	NV003
User id:	KCOON	Date entry:	07/08/1997 00:00:00
Update use:	user15	Date updat:	02/02/1998 00:00:00
Edit statu:	F	Well start:	11/11/1993 00:00:00
Gravel p 1:	75	Gravel p 2:	130
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O271  
North  
1/2 - 1 Mile  
Higher**

**NV WELLS      NV2000000034528**

Sequence #:	45036	Well log:	66473
App:	Not Reported	Notice of :	12112
Waiver no:	MO-2258A	Date log r:	11/16/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	11/09/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	75
Depth drilled:	130	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	129
Casing diameter:	4.5		
Casing reduc:	0	Top perf:	79
Bottom perf:	126	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	THOMAS HIGH
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV 89103		
Contract 3:	0		
Driller li:	1869	Source age:	NV003
User id:	KCOON	Date entry:	07/08/1997 00:00:00
Update use:	user15	Date updat:	02/02/1998 00:00:00
Edit statu:	F	Well start:	11/08/1993 00:00:00
Gravel p 1:	75	Gravel p 2:	130
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O272  
North  
1/2 - 1 Mile  
Higher**

**NV WELLS      NV2000000034529**

Sequence #:	45037	Well log:	66474
App:	Not Reported	Notice of :	12112
Waiver no:	MO-2258A	Date log r:	11/16/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported	Subdivisio:	Not Reported
Parcel no:	Not Reported	Block no:	Not Reported
Lot no:	Not Reported	Date cmplt:	D
Well finish:	11/04/1993 00:00:00	Depth seal:	75
Gravel pack:	Y		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	130	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	129
Casing diameter:	4.5		
Casing reduc:	0	Top perf:	74
Bottom perf:	126	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	WILLIAM MAXWELL
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV		
Contract 3:	0		
Driller li:	1859	Source age:	NV003
User id:	KCOON	Date entry:	07/08/1997 00:00:00
Update use:	user15	Date updat:	02/02/1998 00:00:00
Edit statu:	F	Well start:	11/03/1993 00:00:00
Gravel p 1:	75	Gravel p 2:	130
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O273**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**NV WELLS      NV2000000034536**

Sequence #:	45044	Well log:	66481
App:	Not Reported	Notice of :	12112
Waiver no:	MO-2558A	Date log r:	11/04/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	10/20/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	75
Depth drilled:	130	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	129
Casing diameter:	4.5		
Casing reduc:	0	Top perf:	79
Bottom perf:	126	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	THOMAS HIGH
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV 89103		
Contract 3:	0		
Driller li:	1869	Source age:	NV003
User id:	KCOON	Date entry:	07/08/1997 00:00:00
Update use:	user15	Date updat:	02/02/1998 00:00:00
Edit statu:	F	Well start:	10/14/1993 00:00:00
Gravel p 1:	75	Gravel p 2:	130
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O274  
North  
1/2 - 1 Mile  
Higher**

**NV WELLS      NV2000000034537**

Sequence #:	45045	Well log:	66482
App:	Not Reported	Notice of :	12112
Waiver no:	MO-2258A	Date log r:	11/04/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	10/07/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	75
Depth drilled:	130	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	129
Casing diameter:	4.5		
Casing reduc:	0	Top perf:	79
Bottom perf:	126	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	THOMAS HIGH
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV 89103		
Contract 3:	0		
Driller li:	1869	Source age:	NV003
User id:	KCOON	Date entry:	07/08/1997 00:00:00
Update use:	user15	Date updat:	02/02/1998 00:00:00
Edit statu:	F	Well start:	10/07/1993 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	75	Gravel p 2:	130
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O275**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**NV WELLS    NV2000000034538**

Sequence #:	45046	Well log:	66483
App:	Not Reported	Notice of :	12112
Waiver no:	MO-2258A	Date log r:	11/02/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	10/06/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	75
Depth drilled:	130	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	129
Casing diameter:	4.5		
Casing reduc:	0	Top perf:	79
Bottom perf:	126	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KCOON	Date entry:	07/08/1997 00:00:00
Update use:	user15	Date updat:	02/02/1998 00:00:00
Edit statu:	F	Well start:	10/06/1993 00:00:00
Gravel p 1:	75	Gravel p 2:	130
Utm x:	676041.902203		
Utm y:	4013934.9705		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**O276**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**NV WELLS      NV2000000034533**

Sequence #:	45041	Well log:	66478
App:	Not Reported	Notice of :	12112
Waiver no:	MO-2258A	Date log r:	11/04/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	10/28/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	75
Depth drilled:	130	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	129
Casing diameter:	4.5		
Casing reduc:	0	Top perf:	79
Bottom perf:	126	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	THOMAS HIGH
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV 89103		
Contract 3:	0		
Driller li:	1869	Source age:	NV003
User id:	KCOON	Date entry:	07/08/1997 00:00:00
Update use:	user15	Date updat:	02/02/1998 00:00:00
Edit statu:	F	Well start:	10/27/1993 00:00:00
Gravel p 1:	75	Gravel p 2:	130
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O277**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**NV WELLS      NV2000000034534**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	45042	Well log:	66479
App:	Not Reported	Notice of :	12112
Waiver no:	MO-2258A	Date log r:	11/04/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	10/26/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	75
Depth drilled:	130	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	129
Casing diameter:	4.5		
Casing reduc:	0	Top perf:	79
Bottom perf:	126	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	THOMAS HIGH
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV 89103		
Contract 3:	0		
Driller li:	1869	Source age:	NV003
User id:	KCOON	Date entry:	07/08/1997 00:00:00
Update use:	user15	Date updat:	02/02/1998 00:00:00
Edit statu:	F	Well start:	10/26/1993 00:00:00
Gravel p 1:	75	Gravel p 2:	130
Utm x:	676041.902203		
Utm y:	4013934.9705		

**O278  
North  
1/2 - 1 Mile  
Higher**

**NV WELLS      NV2000000034535**

Sequence #:	45043	Well log:	66480
App:	Not Reported	Notice of :	12112
Waiver no:	MO-2558A	Date log r:	11/04/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	34	Sec quarter:	BC
Legal quarter:	SW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	10/25/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	75
Depth drilled:	130	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	129
Casing diameter:	4.5		
Casing reduc:	0	Top perf:	79
Bottom perf:	126	Perf interval:	2
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	THOMAS HIGH
Contract 2:	4670 S POLARIS AVE LAS VEGAS NV 89103		
Contract 3:	0		
Driller li:	1869	Source age:	NV003
User id:	KCOON	Date entry:	07/08/1997 00:00:00
Update use:	user15	Date updat:	02/02/1998 00:00:00
Edit statu:	F	Well start:	10/22/1993 00:00:00
Gravel p 1:	75	Gravel p 2:	130
Utm x:	676041.902203		
Utm y:	4013934.9705		

**279**  
**ESE**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000033026**

Sequence #:	9502	Well log:	33782
App:	Not Reported	Notice of :	6293
Waiver no:	Not Reported	Date log r:	06/18/1990 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	AB
Legal quarter:	NW NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.03099822998	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S ARMY		
Owner addr:	NELLIS AFB		
Owner no:	MW-50		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	05/07/1990 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	55
Depth drilled:	94	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	94
Casing diameter:	4		
Casing reduc:	0	Top perf:	64
Bottom perf:	94	Perf interval:	1
Static wl:	78		
Temperature:	73		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	H-F DRILLING INC
Contract 2:	1456B N MANHATTAN AV FULLERTON		
Contract 3:	1614		
Driller li:	1614	Source age:	NV003
User id:	AVTYPER	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	05/06/1990 00:00:00
Gravel p 1:	60	Gravel p 2:	94
Utm x:	676889.985751		
Utm y:	4012749.86379		

**280  
South  
1/2 - 1 Mile  
Lower**

**FED USGS USGS3099095**

Agency cd:	USGS	Site no:	361421115022301
Site name:	212 S20 E62 03BBB 1 USAF		
Latitude:	361421		
Longitude:	1150223	Dec lat:	36.23913745
Dec lon:	-115.04055669	Coor meth:	M
Coor accr:	M	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	32
State:	32	County:	003
Country:	US	Land net:	NWNWNWS03 T20S R62E M
Location map:	LAS VEGAS NE, NV	Map scale:	24000
Altitude:	1890.		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Las Vegas Wash. Nevada. Area = 1860 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	1497	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0  
 Water quality data end date: 0000-00-00  
 Ground water data begin date: 1972-02-24  
 Ground water data count: 2

Water quality data begin date: 0000-00-00  
 Water quality data count: 0  
 Ground water data end date: 1973-02-21

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1973-02-21	100.04		1972-02-24	104.34	

**P281**  
**SW**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS NV2000000032482**

Sequence #:	69274	Well log:	87770
App:	Not Reported	Notice of :	21007
Waiver no:	Not Reported	Date log r:	02/28/2003 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AC
Legal quarter:	SW NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.24169921875
Longitude:	-115.050003051758	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S AIR FORCE		
Owner addr:	SS-28 NELLIS AFB		
Owner no:	Not Reported		
Parcel no:	140-03-601-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	02/15/2003 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	35
Depth drilled:	80	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	80
Casing diameter:	2		
Casing reduc:	0	Top perf:	40
Bottom perf:	80	Perf interval:	1
Static wl:	61		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	54931	Contract 1:	Not Reported
Contract 2:	Not Reported		
Contract 3:	0		
Driller li:	1869	Source age:	NV003
User id:	DBRANTLE	Date entry:	03/04/2003 00:00:00
Update use:	Not Reported	Date updat:	01/26/2006 00:00:00
Edit statu:	F	Well start:	02/15/2003 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	35	Gravel p 2:	80
Utm x:	675225.547185		
Utm y:	4012315.43346		

**P282**  
**SW**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS    NV2000000032483**

Sequence #:	69275	Well log:	87771
App:	Not Reported	Notice of :	21007
Waiver no:	Not Reported	Date log r:	02/28/2003 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AC
Legal quarter:	SW NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.24169921875
Longitude:	-115.050003051758	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S AIR FORCE		
Owner addr:	SS-28 NELLIS AFB		
Owner no:	Not Reported		
Parcel no:	140-03-601-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	02/16/2003 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	35
Depth drilled:	80	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	80
Casing diameter:	2		
Casing reduc:	0	Top perf:	40
Bottom perf:	80	Perf interval:	1
Static wl:	61		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	54931	Contract 1:	Not Reported
Contract 2:	Not Reported		
Contract 3:	0		
Driller li:	1869	Source age:	NV003
User id:	DBRANTLE	Date entry:	03/04/2003 00:00:00
Update use:	Not Reported	Date updat:	01/26/2006 00:00:00
Edit statu:	F	Well start:	02/16/2003 00:00:00
Gravel p 1:	35	Gravel p 2:	80
Utm x:	675225.547185		
Utm y:	4012315.43346		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**P283**  
**SW**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000032484**

Sequence #:	69276	Well log:	87772
App:	Not Reported	Notice of :	21007
Waiver no:	Not Reported	Date log r:	02/28/2003 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	AC
Legal quarter:	SW NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.24169921875
Longitude:	-115.050003051758	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S AIR FORCE		
Owner addr:	SS-28 NELLIS AFB		
Owner no:	Not Reported		
Parcel no:	140-03-601-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	02/16/2003 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	35
Depth drilled:	80	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	80
Casing diameter:	2		
Casing reduc:	0	Top perf:	40
Bottom perf:	80	Perf interval:	1
Static wl:	61		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	54931	Contract 1:	Not Reported
Contract 2:	Not Reported		
Contract 3:	0		
Driller li:	1869	Source age:	NV003
User id:	DBRANTLE	Date entry:	03/04/2003 00:00:00
Update use:	Not Reported	Date updat:	01/26/2006 00:00:00
Edit statu:	F	Well start:	02/16/2003 00:00:00
Gravel p 1:	35	Gravel p 2:	80
Utm x:	675225.547185		
Utm y:	4012315.43346		

**284**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**NV WELLS      NV2000000034551**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	43761	Well log:	65224
App:	62712	Notice of :	1944
Waiver no:	Not Reported	Date log r:	06/04/1997 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	P	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BD
Legal quarter:	SE NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.03800201416	Lat long s:	NV003
Lat long acc:	G		
Owner current:	MELONAS, ARISTOTLE		
Owner addr:	5260 BEESLEY DR		
Owner no:	Not Reported		
Parcel no:	520-660-007	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	05/24/1997 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	58
Depth drilled:	343	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	343
Casing diameter:	6.62		
Casing reduc:	0	Top perf:	188
Bottom perf:	328	Perf interval:	3
Static wl:	99		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	6294A	Contract 1:	BRINER DRILLING INC
Contract 2:	555 N PARKSON RD HENDERSON NV 89015		
Contract 3:	0		
Driller li:	1338	Source age:	NV003
User id:	DBRANTLE	Date entry:	06/09/1997 00:00:00
Update use:	Not Reported	Date updat:	06/11/1997 00:00:00
Edit statu:	F	Well start:	05/22/1997 00:00:00
Gravel p 1:	58	Gravel p 2:	343
Utm x:	676441.250721		
Utm y:	4013943.05967		

**Q285  
ENE  
1/2 - 1 Mile  
Higher**

**NV WELLS      NV2000000034046**

Sequence #:	11101	Well log:	35364
App:	Not Reported	Notice of :	3328
Waiver no:	Not Reported	Date log r:	06/11/1991 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	R
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	34	Sec quarter:	DB
Legal quarter:	NW SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.03099822998	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CITY OF LAS VEGAS		
Owner addr:	MT HOOD ST AND LV BLVD		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	05/28/1991 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	68
Depth drilled:	125	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	125
Casing diameter:	21		
Casing reduc:	0	Top perf:	75
Bottom perf:	125	Perf interval:	1
Static wl:	100		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	DON WILSON
Contract 2:	4670 S POLARIS AVE LV NV		
Contract 3:	0		
Driller li:	1589	Source age:	NV003
User id:	slclary	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	10/19/1998 00:00:00
Edit statu:	F	Well start:	11/20/1990 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676873.701871		
Utm y:	4013551.07072		

**Q286**  
**ENE**  
**1/2 - 1 Mile**  
**Higher**

**NV WELLS      NV2000000034047**

Sequence #:	45121	Well log:	66558
App:	Not Reported	Notice of :	3328
Waiver no:	Not Reported	Date log r:	07/22/1992 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	U	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	DB
Legal quarter:	NW SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.252498626709
Longitude:	-115.03099822998	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CITY OF LAS VEGAS		
Owner addr:	MT HOOD & LV BLVD LAS VEGAS NV		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	06/01/1991 00:00:00	Date cmplt:	M
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	125	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	0		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	RICHARD LEBLANC
Contract 2:	4670 S POLARIS LAS VEGAS NV		
Contract 3:	0		
Driller li:	1817	Source age:	NV003
User id:	KCOON	Date entry:	07/09/1997 00:00:00
Update use:	Not Reported	Date updat:	02/10/1998 00:00:00
Edit statu:	F	Well start:	12/11/1992 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676873.701871		
Utm y:	4013551.07072		

**287**  
**South**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000032142**

Sequence #:	45137	Well log:	66574
App:	Not Reported	Notice of :	11385
Waiver no:	MO-2458	Date log r:	12/27/1994 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	CB
Legal quarter:	NW SW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2380981445313
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	DAMES & MOORE		
Owner addr:	NELLIS AFB		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	08/29/1994 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	25

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	65	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	60
Casing diameter:	4.5		
Casing reduc:	0	Top perf:	30
Bottom perf:	60	Perf interval:	1
Static wl:	51		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	35639	Contract 1:	B L WEBER GROUP INC (THE)
Contract 2:	16825 S WEBER DR CHANDLER AZ 85226-4112		
Contract 3:	0		
Driller li:	1910	Source age:	NV003
User id:	KCOON	Date entry:	07/09/1997 00:00:00
Update use:	Not Reported	Date updat:	04/20/1998 00:00:00
Edit statu:	F	Well start:	08/24/1994 00:00:00
Gravel p 1:	27	Gravel p 2:	65
Utm x:	676057.455351		
Utm y:	4011931.45217		

**R288**  
**SE**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000032512**

Sequence #:	9747	Well log:	34019
App:	Not Reported	Notice of :	12294
Waiver no:	Not Reported	Date log r:	06/29/1990 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	AC
Legal quarter:	SW NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.24169921875
Longitude:	-115.031997680664	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S ARMY		
Owner addr:	NELLIS AFB		
Owner no:	MW-47		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	04/30/1990 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	51
Depth drilled:	93	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	92
Casing diameter:	4		
Casing reduc:	0	Top perf:	62
Bottom perf:	92	Perf interval:	1
Static wl:	69		
Temperature:	72		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	H-F DRILLING INC
Contract 2:	1456B MANHATTAN FULLERTON NV		
Contract 3:	1614		
Driller li:	1614	Source age:	NV003
User id:	AVTYPER	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	04/30/1990 00:00:00
Gravel p 1:	59	Gravel p 2:	93
Utm x:	676873.162721		
Utm y:	4012348.7534		

**R289  
SE  
1/2 - 1 Mile  
Lower**

**NV WELLS      NV2000000032511**

Sequence #:	9503	Well log:	33783
App:	Not Reported	Notice of :	12291
Waiver no:	Not Reported	Date log r:	06/18/1990 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	AC
Legal quarter:	SW NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.24169921875
Longitude:	-115.031997680664	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S ARMY		
Owner addr:	NELLIS AFB		
Owner no:	MW-48		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	05/11/1990 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	53
Depth drilled:	90	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	90
Casing diameter:	4		
Casing reduc:	0	Top perf:	60
Bottom perf:	90	Perf interval:	1
Static wl:	68		
Temperature:	73		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	H-F DRILLING INC
Contract 2:	1456B S MANHATTAN AV FULLERTON		
Contract 3:	1614		
Driller li:	1614	Source age:	NV003
User id:	AVTYPER	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	05/11/1990 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	57	Gravel p 2:	90
Utm x:	676873.162721		
Utm y:	4012348.7534		

**R290  
SE  
1/2 - 1 Mile  
Lower**

**NV WELLS    NV2000000032510**

Sequence #:	7178	Well log:	31528
App:	Not Reported	Notice of :	0
Waiver no:	Not Reported	Date log r:	05/04/1989 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	AC
Legal quarter:	SW NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.24169921875
Longitude:	-115.031997680664	Lat long s:	NV003
Lat long acc:	T		
Owner current:	NELLIS AFB		
Owner addr:	FACILITY 941		
Owner no:	MW-034		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	02/27/1989 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	40
Depth drilled:	85	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	85
Casing diameter:	2		
Casing reduc:	0	Top perf:	55
Bottom perf:	85	Perf interval:	1
Static wl:	70.7		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	H-F DRILLING INC
Contract 2:	1456B S MANHATTAN FULLERTON CA		
Contract 3:	0		
Driller li:	1614	Source age:	NV003
User id:	NAFLECKS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	02/26/1989 00:00:00
Gravel p 1:	45	Gravel p 2:	85
Utm x:	676873.162721		
Utm y:	4012348.7534		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**R291**  
**SE**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000032515**

Sequence #:	15908	Well log:	40171
App:	Not Reported	Notice of :	6294
Waiver no:	Not Reported	Date log r:	06/18/1990 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	AC
Legal quarter:	SW NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.24169921875
Longitude:	-115.031997680664	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S ARMY		
Owner addr:	NELLIS AFB		
Owner no:	MW-51		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	05/08/1990 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	51
Depth drilled:	91	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	90
Casing diameter:	4		
Casing reduc:	0	Top perf:	60
Bottom perf:	90	Perf interval:	1
Static wl:	64		
Temperature:	73		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	H-F DRILLING INC
Contract 2:	1456B S MANHATN FULLERTON CA		
Contract 3:	1614		
Driller li:	1614	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	05/07/1990 00:00:00
Gravel p 1:	56	Gravel p 2:	91
Utm x:	676873.162721		
Utm y:	4012348.7534		

**R292**  
**SE**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000032514**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	9749	Well log:	34021
App:	Not Reported	Notice of :	12292
Waiver no:	Not Reported	Date log r:	06/29/1990 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	AC
Legal quarter:	SW NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.24169921875
Longitude:	-115.031997680664	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S ARMY CORPS OF ENGINEERS		
Owner addr:	Not Reported		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	04/25/1990 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	57
Depth drilled:	91	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	90
Casing diameter:	4		
Casing reduc:	0	Top perf:	60
Bottom perf:	90	Perf interval:	1
Static wl:	73		
Temperature:	74		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	H-F DRILLING INC
Contract 2:	1456B MANHATTAN FULLERTON NV		
Contract 3:	1614		
Driller li:	1614	Source age:	NV003
User id:	AVTYPER	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	10/19/1998 00:00:00
Edit statu:	F	Well start:	04/25/1990 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676873.162721		
Utm y:	4012348.7534		

**R293**  
**SE**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000032513**

Sequence #:	9748	Well log:	34020
App:	Not Reported	Notice of :	12292
Waiver no:	Not Reported	Date log r:	06/29/1990 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	03	Sec quarter:	AC
Legal quarter:	SW NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.24169921875
Longitude:	-115.031997680664	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S ARMY		
Owner addr:	NELLIS AFB		
Owner no:	MW-46		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	04/25/1990 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	57
Depth drilled:	91	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	90
Casing diameter:	4		
Casing reduc:	0	Top perf:	60
Bottom perf:	90	Perf interval:	1
Static wl:	73		
Temperature:	74		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	H-F DRILLING INC
Contract 2:	1456B MANHATTAN FULLERTON NV		
Contract 3:	1614		
Driller li:	1614	Source age:	NV003
User id:	AVTYPER	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	04/25/1990 00:00:00
Gravel p 1:	57	Gravel p 2:	91
Utm x:	676873.162721		
Utm y:	4012348.7534		

**S294  
NW  
1/2 - 1 Mile  
Higher**

**NV WELLS      NV2000000034457**

Sequence #:	44996	Well log:	66433
App:	Not Reported	Notice of :	6237
Waiver no:	Not Reported	Date log r:	01/07/1991 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	Not Reported
Legal quarter:	Not Reported	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2543983459473
Longitude:	-115.052001953125	Lat long s:	NV003
Lat long acc:	M		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	10/10/1990 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	69
Depth drilled:	121	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	121
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	1589	Contract 1:	Not Reported
Contract 2:	Not Reported		
Contract 3:	0		
Driller li:	1589	Source age:	NV003
User id:	KCOON	Date entry:	07/03/1997 00:00:00
Update use:	Not Reported	Date updat:	11/10/1997 00:00:00
Edit statu:	F	Well start:	10/10/1990 00:00:00
Gravel p 1:	69	Gravel p 2:	121
Utm x:	675022.292194		
Utm y:	4013729.43235		

**S295  
NW  
1/2 - 1 Mile  
Higher**

**NV WELLS      NV2000000034458**

Sequence #:	44997	Well log:	66434
App:	Not Reported	Notice of :	6238
Waiver no:	Not Reported	Date log r:	01/07/1991 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	Not Reported
Legal quarter:	Not Reported	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2543983459473
Longitude:	-115.052001953125	Lat long s:	NV003
Lat long acc:	M		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported	Subdivisio:	Not Reported
Parcel no:	Not Reported	Block no:	Not Reported
Lot no:	Not Reported	Date cmplt:	D
Well finish:	10/12/1990 00:00:00	Depth seal:	73
Gravel pack:	Y		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	120	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	0	Top perf:	0
Casing reduc:	0	Perf interval:	0
Bottom perf:	0		
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	1589	Contract 1:	Not Reported
Contract 2:	Not Reported		
Contract 3:	0		
Driller li:	1589	Source age:	NV003
User id:	KCOON	Date entry:	07/03/1997 00:00:00
Update use:	Not Reported	Date updat:	11/10/1997 00:00:00
Edit statu:	F	Well start:	10/11/1990 00:00:00
Gravel p 1:	73	Gravel p 2:	120
Utm x:	675022.292194		
Utm y:	4013729.43235		

**S296  
NW  
1/2 - 1 Mile  
Higher**

**NV WELLS      NV2000000034459**

Sequence #:	45017	Well log:	66454
App:	Not Reported	Notice of :	6239
Waiver no:	Not Reported	Date log r:	01/07/1991 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	Not Reported
Legal quarter:	Not Reported	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2543983459473
Longitude:	-115.052001953125	Lat long s:	NV003
Lat long acc:	M		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	10/09/1990 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	55
Depth drilled:	120	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	120
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	88		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	DON WILSON
Contract 2:	4670 POLARIS LAS VEGAS NV		
Contract 3:	0		
Driller li:	1589	Source age:	NV003
User id:	KCOON	Date entry:	07/08/1997 00:00:00
Update use:	user15	Date updat:	02/02/1998 00:00:00
Edit statu:	F	Well start:	10/09/1990 00:00:00
Gravel p 1:	55	Gravel p 2:	120
Utm x:	675022.292194		
Utm y:	4013729.43235		

**297  
NW  
1/2 - 1 Mile  
Higher**

**NV WELLS    NV2000000034502**

Sequence #:	13719	Well log:	37982
App:	Not Reported	Notice of :	0
Waiver no:	Not Reported	Date log r:	01/30/1992 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	AC
Legal quarter:	SW NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-115.050003051758	Lat long s:	NV003
Lat long acc:	T		
Owner current:	NELLIS AFB - FWC EV		
Owner addr:	NELLIS AFB		
Owner no:	MW-053		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	04/13/1991 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	105
Depth drilled:	140	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	140
Casing diameter:	4.5		
Casing reduc:	0	Top perf:	110
Bottom perf:	140	Perf interval:	1
Static wl:	127		
Temperature:	70		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	H-F DRILLING, INC.
Contract 2:	1456 B S MANHTN AVE. FULLERTON, CA. 92631		
Contract 3:	0		
Driller li:	1614	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	HFARNHAM	Date updat:	09/17/2003 00:00:00
Edit statu:	F	Well start:	04/12/1991 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	105	Gravel p 2:	140
Utm x:	675193.287667		
Utm y:	4013917.84193		

**298**  
**SSE**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS    NV2000000032083**

Sequence #:	9752	Well log:	34024
App:	Not Reported	Notice of :	12293
Waiver no:	Not Reported	Date log r:	06/29/1990 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	CA
Legal quarter:	NE SW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2378005981445
Longitude:	-115.036003112793	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S ARMY		
Owner addr:	NELLIS AFB		
Owner no:	MW-34C		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	04/23/1990 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	90
Depth drilled:	122	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	120
Casing diameter:	4		
Casing reduc:	0	Top perf:	100
Bottom perf:	120	Perf interval:	1
Static wl:	70		
Temperature:	74		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	H-F DRILLING INC
Contract 2:	1456B MANHATTAN FULLERTON NV		
Contract 3:	1614		
Driller li:	1614	Source age:	NV003
User id:	AVTYPER	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	04/23/1990 00:00:00
Gravel p 1:	98	Gravel p 2:	122
Utm x:	676482.485536		
Utm y:	4011909.22902		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**299**  
**South**  
**1/2 - 1 Mile**  
**Lower**

**FRDS PWS      NV0003028**

PWS ID:                      NV0003028                      PWS Status:      Not Reported  
 Date Initiated:              Not Reported                      Date Deactivated:      Not Reported  
 PWS Name:                      NELLIS AIR FORCE BASE AREA I  
    TFWC/ENV MANAGMENT DIVISION  
    NELLIS AFB, NV 89191

Addressee / Facility:              System Owner/Responsible Party  
    NELLIS AIR FORCE BASE  
    NELLIS AIR FORCE BASE  
    LAS VEGAS, NV 89191

Facility Latitude:              36 14 12                              Facility Longitude:      115 02 30  
 City Served:                      LAS VEGAS  
 Treatment Class:                  Untreated                              Population:              18100

PWS currently has or had major violation(s) or enforcement:      YES

**VIOLATIONS INFORMATION:**

Violation ID:                      93V0001                              Source ID:              Not Reported                      PWS Phone:              7026434769  
 Vio. beginning Date:              07/01/92                              Vio. end Date:              12/31/92                      Vio. Period:              006 Months  
 Num required Samples:              Not Reported                              Number of Samples Taken:              Not Reported  
 Analysis Result:                      Not Reported                              Maximum Contaminant Level:              Not Reported  
 Analysis Method:                      Not Reported  
 Violation Type:                      Initial Tap Sampling for Pb and Cu  
 Contaminant:                      LEAD & COPPER RULE  
 Vio. Awareness Date:              Not Reported

**ENFORCEMENT INFORMATION:**

Truedate:                      03/31/2007                              Pwsid:                      NV0003028  
 Pwsname:                      NELLIS AIR FORCE BASE  
 Retpopsrvd:                      6288                              Pwstypecod:                      C  
 VioId:                              138102                              Contaminant:                      COLIFORM (TCR)  
 Viol. Type:                      MCL, Monthly (TCR)  
 Complperbe:                      4/1/2002 0:00:00  
 Complperen:                      4/30/2002 0:00:00                      Enfdate:                      4/18/2002 0:00:00  
 Enf action:                      State Violation/Reminder Notice  
 Violmeasur:                      Not Reported

Truedate:                      03/31/2007                              Pwsid:                      NV0003028  
 Pwsname:                      NELLIS AIR FORCE BASE  
 Retpopsrvd:                      6288                              Pwstypecod:                      C  
 VioId:                              138102                              Contaminant:                      COLIFORM (TCR)  
 Viol. Type:                      MCL, Monthly (TCR)  
 Complperbe:                      4/1/2002 0:00:00  
 Complperen:                      4/30/2002 0:00:00                      Enfdate:                      4/18/2002 0:00:00  
 Enf action:                      State Public Notif Requested  
 Violmeasur:                      Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Truedate: 09/30/2006 Pwsid: NV0003028  
 Pwsname: NELLIS AIR FORCE BASE  
 Retpopsrvd: 6288 Pwstypecod: C  
 Void: 138102 Contaminant: COLIFORM (TCR)  
 Viol. Type: MCL, Monthly (TCR)  
 Complperbe: 4/1/2002 0:00:00  
 Complperen: 4/30/2002 0:00:00 Enfdate: 4/26/2002 0:00:00  
 Enf action: State Compliance Achieved  
 Violmeasur: Not Reported

Truedate: 09/30/2006 Pwsid: NV0003028  
 Pwsname: NELLIS AIR FORCE BASE  
 Retpopsrvd: 6288 Pwstypecod: C  
 Void: 138102 Contaminant: COLIFORM (TCR)  
 Viol. Type: MCL, Monthly (TCR)  
 Complperbe: 4/1/2002 0:00:00  
 Complperen: 4/30/2002 0:00:00 Enfdate: 4/26/2002 0:00:00  
 Enf action: State Public Notif Received  
 Violmeasur: Not Reported

Truedate: 09/30/2006 Pwsid: NV0003028  
 Pwsname: NELLIS AIR FORCE BASE  
 Retpopsrvd: 6288 Pwstypecod: C  
 Void: 138102 Contaminant: COLIFORM (TCR)  
 Viol. Type: MCL, Monthly (TCR)  
 Complperbe: 4/1/2002 0:00:00  
 Complperen: 4/30/2002 0:00:00 Enfdate: 4/18/2002 0:00:00  
 Enf action: State Public Notif Requested  
 Violmeasur: Not Reported

Truedate: 09/30/2006 Pwsid: NV0003028  
 Pwsname: NELLIS AIR FORCE BASE  
 Retpopsrvd: 6288 Pwstypecod: C  
 Void: 138102 Contaminant: COLIFORM (TCR)  
 Viol. Type: MCL, Monthly (TCR)  
 Complperbe: 4/1/2002 0:00:00  
 Complperen: 4/30/2002 0:00:00 Enfdate: 4/18/2002 0:00:00  
 Enf action: State Violation/Reminder Notice  
 Violmeasur: Not Reported

Truedate: 03/31/2007 Pwsid: NV0003028  
 Pwsname: NELLIS AIR FORCE BASE  
 Retpopsrvd: 6288 Pwstypecod: C  
 Void: 138102 Contaminant: COLIFORM (TCR)  
 Viol. Type: MCL, Monthly (TCR)  
 Complperbe: 4/1/2002 0:00:00  
 Complperen: 4/30/2002 0:00:00 Enfdate: 4/26/2002 0:00:00  
 Enf action: State Compliance Achieved  
 Violmeasur: Not Reported

Truedate: 03/31/2007 Pwsid: NV0003028  
 Pwsname: NELLIS AIR FORCE BASE  
 Retpopsrvd: 6288 Pwstypecod: C  
 Void: 138102 Contaminant: COLIFORM (TCR)  
 Viol. Type: MCL, Monthly (TCR)  
 Complperbe: 4/1/2002 0:00:00  
 Complperen: 4/30/2002 0:00:00 Enfdate: 4/26/2002 0:00:00  
 Enf action: State Public Notif Received  
 Violmeasur: Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Truedate:	09/30/2006	Pwsid:	NV0003028
Pwsname:	NELLIS AIR FORCE BASE		
Retpopsrvd:	6288	Pwstypecod:	C
Vioid:	139004	Contaminant:	COLIFORM (TCR)
Viol. Type:	MCL, Monthly (TCR)		
Complperbe:	10/1/2003 0:00:00		
Complperen:	10/31/2003 0:00:00	Enfdate:	10/8/2003 0:00:00
Enf action:	State Violation/Reminder Notice		
Violmeasur:	Not Reported		
Truedate:	03/31/2007	Pwsid:	NV0003028
Pwsname:	NELLIS AIR FORCE BASE		
Retpopsrvd:	6288	Pwstypecod:	C
Vioid:	139004	Contaminant:	COLIFORM (TCR)
Viol. Type:	MCL, Monthly (TCR)		
Complperbe:	10/1/2003 0:00:00		
Complperen:	10/31/2003 0:00:00	Enfdate:	10/8/2003 0:00:00
Enf action:	State Violation/Reminder Notice		
Violmeasur:	Not Reported		
Truedate:	03/31/2007	Pwsid:	NV0003028
Pwsname:	NELLIS AIR FORCE BASE		
Retpopsrvd:	6288	Pwstypecod:	C
Vioid:	139004	Contaminant:	COLIFORM (TCR)
Viol. Type:	MCL, Monthly (TCR)		
Complperbe:	10/1/2003 0:00:00		
Complperen:	10/31/2003 0:00:00	Enfdate:	10/8/2003 0:00:00
Enf action:	State Public Notif Requested		
Violmeasur:	Not Reported		
Truedate:	03/31/2007	Pwsid:	NV0003028
Pwsname:	NELLIS AIR FORCE BASE		
Retpopsrvd:	6288	Pwstypecod:	C
Vioid:	139004	Contaminant:	COLIFORM (TCR)
Viol. Type:	MCL, Monthly (TCR)		
Complperbe:	10/1/2003 0:00:00		
Complperen:	10/31/2003 0:00:00	Enfdate:	11/7/2003 0:00:00
Enf action:	State Public Notif Received		
Violmeasur:	Not Reported		
Truedate:	03/31/2007	Pwsid:	NV0003028
Pwsname:	NELLIS AIR FORCE BASE		
Retpopsrvd:	6288	Pwstypecod:	C
Vioid:	139004	Contaminant:	COLIFORM (TCR)
Viol. Type:	MCL, Monthly (TCR)		
Complperbe:	10/1/2003 0:00:00		
Complperen:	10/31/2003 0:00:00	Enfdate:	11/7/2003 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		
Truedate:	09/30/2006	Pwsid:	NV0003028
Pwsname:	NELLIS AIR FORCE BASE		
Retpopsrvd:	6288	Pwstypecod:	C
Vioid:	139004	Contaminant:	COLIFORM (TCR)
Viol. Type:	MCL, Monthly (TCR)		
Complperbe:	10/1/2003 0:00:00		
Complperen:	10/31/2003 0:00:00	Enfdate:	11/7/2003 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Truedate: 09/30/2006 Pwsid: NV0003028  
 Pwsname: NELLIS AIR FORCE BASE  
 Retpopsrvd: 6288 Pwstypecod: C  
 Vioiid: 139004 Contaminant: COLIFORM (TCR)  
 Viol. Type: MCL, Monthly (TCR)  
 Complperbe: 10/1/2003 0:00:00  
 Complperen: 10/31/2003 0:00:00 Enfdate: 11/7/2003 0:00:00  
 Enf action: State Public Notif Received  
 Violmeasur: Not Reported

Truedate: 09/30/2006 Pwsid: NV0003028  
 Pwsname: NELLIS AIR FORCE BASE  
 Retpopsrvd: 6288 Pwstypecod: C  
 Vioiid: 139004 Contaminant: COLIFORM (TCR)  
 Viol. Type: MCL, Monthly (TCR)  
 Complperbe: 10/1/2003 0:00:00  
 Complperen: 10/31/2003 0:00:00 Enfdate: 10/8/2003 0:00:00  
 Enf action: State Public Notif Requested  
 Violmeasur: Not Reported

Truedate: 03/31/2007 Pwsid: NV0003028  
 Pwsname: NELLIS AIR FORCE BASE  
 Retpopsrvd: 6288 Pwstypecod: C  
 Vioiid: 139304 Contaminant: 7000  
 Viol. Type: CCR Complete Failure to Report  
 Complperbe: 7/1/2004 0:00:00  
 Complperen: 12/31/2025 0:00:00 Enfdate: 9/28/2004 0:00:00  
 Enf action: State Violation/Reminder Notice  
 Violmeasur: Not Reported

Truedate: 03/31/2007 Pwsid: NV0003028  
 Pwsname: NELLIS AIR FORCE BASE  
 Retpopsrvd: 6288 Pwstypecod: C  
 Vioiid: 139304 Contaminant: 7000  
 Viol. Type: CCR Complete Failure to Report  
 Complperbe: 7/1/2004 0:00:00  
 Complperen: 12/31/2025 0:00:00 Enfdate: 9/28/2004 0:00:00  
 Enf action: State Public Notif Requested  
 Violmeasur: Not Reported

Truedate: 09/30/2006 Pwsid: NV0003028  
 Pwsname: NELLIS AIR FORCE BASE  
 Retpopsrvd: 6288 Pwstypecod: C  
 Vioiid: 139304 Contaminant: 7000  
 Viol. Type: CCR Complete Failure to Report  
 Complperbe: 7/1/2004 0:00:00  
 Complperen: 12/31/2025 0:00:00 Enfdate: 9/28/2004 0:00:00  
 Enf action: State Public Notif Requested  
 Violmeasur: Not Reported

Truedate: 09/30/2006 Pwsid: NV0003028  
 Pwsname: NELLIS AIR FORCE BASE  
 Retpopsrvd: 6288 Pwstypecod: C  
 Vioiid: 139304 Contaminant: 7000  
 Viol. Type: CCR Complete Failure to Report  
 Complperbe: 7/1/2004 0:00:00  
 Complperen: 12/31/2025 0:00:00 Enfdate: 9/28/2004 0:00:00  
 Enf action: State Violation/Reminder Notice  
 Violmeasur: Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Truedate:	03/31/2007	Pwsid:	NV0003028
Pwsname:	NELLIS AIR FORCE BASE		
Retpopsrvd:	6288	Pwstypecod:	C
Vioid:	139605	Contaminant:	COLIFORM (TCR)
Viol. Type:	MCL, Acute (TCR)		
Complperbe:	6/1/2005 0:00:00		
Complperen:	6/30/2005 0:00:00	Enfdate:	6/21/2005 0:00:00
Enf action:	State Boil Water Order		
Violmeasur:	Not Reported		

Truedate:	03/31/2007	Pwsid:	NV0003028
Pwsname:	NELLIS AIR FORCE BASE		
Retpopsrvd:	6288	Pwstypecod:	C
Vioid:	139605	Contaminant:	COLIFORM (TCR)
Viol. Type:	MCL, Acute (TCR)		
Complperbe:	6/1/2005 0:00:00		
Complperen:	6/30/2005 0:00:00	Enfdate:	6/21/2005 0:00:00
Enf action:	State Violation/Reminder Notice		
Violmeasur:	Not Reported		

Truedate:	03/31/2007	Pwsid:	NV0003028
Pwsname:	NELLIS AIR FORCE BASE		
Retpopsrvd:	6288	Pwstypecod:	C
Vioid:	139605	Contaminant:	COLIFORM (TCR)
Viol. Type:	MCL, Acute (TCR)		
Complperbe:	6/1/2005 0:00:00		
Complperen:	6/30/2005 0:00:00	Enfdate:	6/21/2005 0:00:00
Enf action:	State Public Notif Requested		
Violmeasur:	Not Reported		

Truedate:	09/30/2006	Pwsid:	NV0003028
Pwsname:	NELLIS AIR FORCE BASE		
Retpopsrvd:	6288	Pwstypecod:	C
Vioid:	139605	Contaminant:	COLIFORM (TCR)
Viol. Type:	MCL, Acute (TCR)		
Complperbe:	6/1/2005 0:00:00		
Complperen:	6/30/2005 0:00:00	Enfdate:	6/30/2005 0:00:00
Enf action:	State Public Notif Received		
Violmeasur:	Not Reported		

Truedate:	03/31/2007	Pwsid:	NV0003028
Pwsname:	NELLIS AIR FORCE BASE		
Retpopsrvd:	6288	Pwstypecod:	C
Vioid:	139605	Contaminant:	COLIFORM (TCR)
Viol. Type:	MCL, Acute (TCR)		
Complperbe:	6/1/2005 0:00:00		
Complperen:	6/30/2005 0:00:00	Enfdate:	6/30/2005 0:00:00
Enf action:	State Public Notif Received		
Violmeasur:	Not Reported		

Truedate:	09/30/2006	Pwsid:	NV0003028
Pwsname:	NELLIS AIR FORCE BASE		
Retpopsrvd:	6288	Pwstypecod:	C
Vioid:	139605	Contaminant:	COLIFORM (TCR)
Viol. Type:	MCL, Acute (TCR)		
Complperbe:	6/1/2005 0:00:00		
Complperen:	6/30/2005 0:00:00	Enfdate:	6/21/2005 0:00:00
Enf action:	State Public Notif Requested		
Violmeasur:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Truedate: 09/30/2006 Pwsid: NV0003028  
 Pwsname: NELLIS AIR FORCE BASE  
 Retpopsrvd: 6288 Pwstypecod: C  
 Vioid: 139605 Contaminant: COLIFORM (TCR)  
 Viol. Type: MCL, Acute (TCR)  
 Complperbe: 6/1/2005 0:00:00  
 Complperen: 6/30/2005 0:00:00 Enfdate: 6/21/2005 0:00:00  
 Enf action: State Violation/Reminder Notice  
 Violmeasur: Not Reported

Truedate: 09/30/2006 Pwsid: NV0003028  
 Pwsname: NELLIS AIR FORCE BASE  
 Retpopsrvd: 6288 Pwstypecod: C  
 Vioid: 139605 Contaminant: COLIFORM (TCR)  
 Viol. Type: MCL, Acute (TCR)  
 Complperbe: 6/1/2005 0:00:00  
 Complperen: 6/30/2005 0:00:00 Enfdate: 6/21/2005 0:00:00  
 Enf action: State Boil Water Order  
 Violmeasur: Not Reported

Truedate: 03/31/2007 Pwsid: NV0003028  
 Pwsname: NELLIS AIR FORCE BASE  
 Retpopsrvd: 6288 Pwstypecod: C  
 Vioid: 139705 Contaminant: COLIFORM (TCR)  
 Viol. Type: MCL, Monthly (TCR)  
 Complperbe: 9/1/2005 0:00:00  
 Complperen: 9/30/2005 0:00:00 Enfdate: 9/15/2005 0:00:00  
 Enf action: State Violation/Reminder Notice  
 Violmeasur: Not Reported

Truedate: 03/31/2007 Pwsid: NV0003028  
 Pwsname: NELLIS AIR FORCE BASE  
 Retpopsrvd: 6288 Pwstypecod: C  
 Vioid: 139705 Contaminant: COLIFORM (TCR)  
 Viol. Type: MCL, Monthly (TCR)  
 Complperbe: 9/1/2005 0:00:00  
 Complperen: 9/30/2005 0:00:00 Enfdate: 9/15/2005 0:00:00  
 Enf action: State Public Notif Requested  
 Violmeasur: Not Reported

Truedate: 09/30/2006 Pwsid: NV0003028  
 Pwsname: NELLIS AIR FORCE BASE  
 Retpopsrvd: 6288 Pwstypecod: C  
 Vioid: 139705 Contaminant: COLIFORM (TCR)  
 Viol. Type: MCL, Monthly (TCR)  
 Complperbe: 9/1/2005 0:00:00  
 Complperen: 9/30/2005 0:00:00 Enfdate: 9/27/2005 0:00:00  
 Enf action: State Public Notif Received  
 Violmeasur: Not Reported

Truedate: 03/31/2007 Pwsid: NV0003028  
 Pwsname: NELLIS AIR FORCE BASE  
 Retpopsrvd: 6288 Pwstypecod: C  
 Vioid: 139705 Contaminant: COLIFORM (TCR)  
 Viol. Type: MCL, Monthly (TCR)  
 Complperbe: 9/1/2005 0:00:00  
 Complperen: 9/30/2005 0:00:00 Enfdate: 9/27/2005 0:00:00  
 Enf action: State Public Notif Received  
 Violmeasur: Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Truedate:	09/30/2006	Pwsid:	NV0003028
Pwsname:	NELLIS AIR FORCE BASE	Pwstypecod:	C
Retpopsrvd:	6288	Contaminant:	COLIFORM (TCR)
Vioid:	139705		
Viol. Type:	MCL, Monthly (TCR)		
Complperbe:	9/1/2005 0:00:00		
Complperen:	9/30/2005 0:00:00	Enfdate:	9/15/2005 0:00:00
Enf action:	State Public Notif Requested		
Violmeasur:	Not Reported		
Truedate:	09/30/2006	Pwsid:	NV0003028
Pwsname:	NELLIS AIR FORCE BASE	Pwstypecod:	C
Retpopsrvd:	6288	Contaminant:	COLIFORM (TCR)
Vioid:	139705		
Viol. Type:	MCL, Monthly (TCR)		
Complperbe:	9/1/2005 0:00:00		
Complperen:	9/30/2005 0:00:00	Enfdate:	9/15/2005 0:00:00
Enf action:	State Violation/Reminder Notice		
Violmeasur:	Not Reported		
Truedate:	09/30/2006	Pwsid:	NV0003028
Pwsname:	NELLIS AIR FORCE BASE	Pwstypecod:	C
Retpopsrvd:	6288	Contaminant:	LEAD & COPPER RULE
Vioid:	193		
Viol. Type:	Initial Tap Sampling for Pb and Cu		
Complperbe:	7/1/1992 0:00:00		
Complperen:	12/31/2025 0:00:00	Enfdate:	No Enf Action as of
Enf action:	1/18/2007 0:00:00		
Violmeasur:	0		
System Name:	NELLIS AIR FORCE BASE		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	04/01/02 - 04/30/02		
Violation ID:	138102		
Enforcement Date:	04/26/02	Enf. Action:	State Compliance Achieved
System Name:	NELLIS AIR FORCE BASE		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	04/01/02 - 04/30/02		
Violation ID:	138102		
Enforcement Date:	04/18/02	Enf. Action:	State Violation/Reminder Notice
System Name:	NELLIS AIR FORCE BASE		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	04/01/02 - 04/30/02		
Violation ID:	138102		
Enforcement Date:	04/18/02	Enf. Action:	State Public Notif Requested
System Name:	NELLIS AIR FORCE BASE		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	04/01/02 - 04/30/02		
Violation ID:	138102		
Enforcement Date:	04/26/02	Enf. Action:	State Public Notif Received

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

### ENFORCEMENT INFORMATION:

System Name:	NELLIS AIR FORCE BASE		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	4/1/2002 0:00:00 - 4/30/2002 0:00:00		
Violation ID:	138102		
Enforcement Date:	4/26/2002 0:00:00	Enf. Action:	State Compliance Achieved
System Name:	NELLIS AIR FORCE BASE		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	4/1/2002 0:00:00 - 4/30/2002 0:00:00		
Violation ID:	138102		
Enforcement Date:	4/26/2002 0:00:00	Enf. Action:	State Public Notif Received
System Name:	NELLIS AIR FORCE BASE		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	4/1/2002 0:00:00 - 4/30/2002 0:00:00		
Violation ID:	138102		
Enforcement Date:	4/18/2002 0:00:00	Enf. Action:	State Public Notif Requested
System Name:	NELLIS AIR FORCE BASE		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	4/1/2002 0:00:00 - 4/30/2002 0:00:00		
Violation ID:	138102		
Enforcement Date:	4/18/2002 0:00:00	Enf. Action:	State Violation/Reminder Notice
System Name:	NELLIS AIR FORCE BASE		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	10/1/2003 0:00:00 - 10/31/2003 0:00:00		
Violation ID:	139004		
Enforcement Date:	11/7/2003 0:00:00	Enf. Action:	State Compliance Achieved
System Name:	NELLIS AIR FORCE BASE		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	10/1/2003 0:00:00 - 10/31/2003 0:00:00		
Violation ID:	139004		
Enforcement Date:	11/7/2003 0:00:00	Enf. Action:	State Public Notif Received
System Name:	NELLIS AIR FORCE BASE		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	10/1/2003 0:00:00 - 10/31/2003 0:00:00		
Violation ID:	139004		
Enforcement Date:	10/8/2003 0:00:00	Enf. Action:	State Public Notif Requested
System Name:	NELLIS AIR FORCE BASE		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	10/1/2003 0:00:00 - 10/31/2003 0:00:00		
Violation ID:	139004		
Enforcement Date:	10/8/2003 0:00:00	Enf. Action:	State Violation/Reminder Notice
System Name:	NELLIS AIR FORCE BASE		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	10/01/03 - 10/31/03		
Violation ID:	139004		
Enforcement Date:	11/07/03	Enf. Action:	State Compliance Achieved

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

### ENFORCEMENT INFORMATION:

System Name:	NELLIS AIR FORCE BASE		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	10/01/03 - 10/31/03		
Violation ID:	139004		
Enforcement Date:	10/08/03	Enf. Action:	State Violation/Reminder Notice
System Name:	NELLIS AIR FORCE BASE		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	10/01/03 - 10/31/03		
Violation ID:	139004		
Enforcement Date:	11/07/03	Enf. Action:	State Public Notif Received
System Name:	NELLIS AIR FORCE BASE		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	10/01/03 - 10/31/03		
Violation ID:	139004		
Enforcement Date:	10/08/03	Enf. Action:	State Public Notif Requested
System Name:	NELLIS AIR FORCE BASE		
Violation Type:	CCR Complete Failure to Report		
Contaminant:	7000		
Compliance Period:	7/1/2004 0:00:00 - 12/31/2025 0:00:00		
Violation ID:	139304		
Enforcement Date:	9/28/2004 0:00:00	Enf. Action:	State Public Notif Requested
System Name:	NELLIS AIR FORCE BASE		
Violation Type:	CCR Complete Failure to Report		
Contaminant:	7000		
Compliance Period:	07/01/04 - 12/31/25		
Violation ID:	139304		
Enforcement Date:	09/28/04	Enf. Action:	State Public Notif Requested
System Name:	NELLIS AIR FORCE BASE		
Violation Type:	CCR Complete Failure to Report		
Contaminant:	7000		
Compliance Period:	07/01/04 - 12/31/25		
Violation ID:	139304		
Enforcement Date:	09/28/04	Enf. Action:	State Violation/Reminder Notice
System Name:	NELLIS AIR FORCE BASE		
Violation Type:	CCR Complete Failure to Report		
Contaminant:	7000		
Compliance Period:	7/1/2004 0:00:00 - 12/31/2025 0:00:00		
Violation ID:	139304		
Enforcement Date:	9/28/2004 0:00:00	Enf. Action:	State Violation/Reminder Notice
System Name:	NELLIS AIR FORCE BASE		
Violation Type:	MCL, Acute (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	06/01/05 - 06/30/05		
Violation ID:	139605		
Enforcement Date:	06/21/05	Enf. Action:	State Public Notif Requested
System Name:	NELLIS AIR FORCE BASE		
Violation Type:	MCL, Acute (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	06/01/05 - 06/30/05		
Violation ID:	139605		
Enforcement Date:	06/21/05	Enf. Action:	State Violation/Reminder Notice

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

### ENFORCEMENT INFORMATION:

System Name:	NELLIS AIR FORCE BASE		
Violation Type:	MCL, Acute (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	06/01/05 - 06/30/05		
Violation ID:	139605		
Enforcement Date:	06/21/05	Enf. Action:	State Boil Water Order
System Name:	NELLIS AIR FORCE BASE		
Violation Type:	MCL, Acute (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	6/1/2005 0:00:00 - 6/30/2005 0:00:00		
Violation ID:	139605		
Enforcement Date:	6/30/2005 0:00:00	Enf. Action:	State Public Notif Received
System Name:	NELLIS AIR FORCE BASE		
Violation Type:	MCL, Acute (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	6/1/2005 0:00:00 - 6/30/2005 0:00:00		
Violation ID:	139605		
Enforcement Date:	6/21/2005 0:00:00	Enf. Action:	State Public Notif Requested
System Name:	NELLIS AIR FORCE BASE		
Violation Type:	MCL, Acute (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	6/1/2005 0:00:00 - 6/30/2005 0:00:00		
Violation ID:	139605		
Enforcement Date:	6/21/2005 0:00:00	Enf. Action:	State Violation/Reminder Notice
System Name:	NELLIS AIR FORCE BASE		
Violation Type:	MCL, Acute (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	6/1/2005 0:00:00 - 6/30/2005 0:00:00		
Violation ID:	139605		
Enforcement Date:	6/21/2005 0:00:00	Enf. Action:	State Boil Water Order
System Name:	NELLIS AIR FORCE BASE		
Violation Type:	MCL, Acute (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	06/01/05 - 06/30/05		
Violation ID:	139605		
Enforcement Date:	06/30/05	Enf. Action:	State Public Notif Received
System Name:	NELLIS AIR FORCE BASE		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	9/1/2005 0:00:00 - 9/30/2005 0:00:00		
Violation ID:	139705		
Enforcement Date:	9/27/2005 0:00:00	Enf. Action:	State Public Notif Received
System Name:	NELLIS AIR FORCE BASE		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	9/1/2005 0:00:00 - 9/30/2005 0:00:00		
Violation ID:	139705		
Enforcement Date:	9/15/2005 0:00:00	Enf. Action:	State Public Notif Requested
System Name:	NELLIS AIR FORCE BASE		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	9/1/2005 0:00:00 - 9/30/2005 0:00:00		
Violation ID:	139705		
Enforcement Date:	9/15/2005 0:00:00	Enf. Action:	State Violation/Reminder Notice

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

### ENFORCEMENT INFORMATION:

System Name:	NELLIS AIR FORCE BASE		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	09/01/05 - 09/30/05		
Violation ID:	139705		
Enforcement Date:	09/27/05	Enf. Action:	State Public Notif Received
System Name:	NELLIS AIR FORCE BASE		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	09/01/05 - 09/30/05		
Violation ID:	139705		
Enforcement Date:	09/15/05	Enf. Action:	State Public Notif Requested
System Name:	NELLIS AIR FORCE BASE		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	09/01/05 - 09/30/05		
Violation ID:	139705		
Enforcement Date:	09/15/05	Enf. Action:	State Violation/Reminder Notice
System Name:	NELLIS AIR FORCE BASE		
Violation Type:	Initial Tap Sampling for Pb and Cu		
Contaminant:	LEAD & COPPER RULE		
Compliance Period:	7/1/1992 0:00:00 - 12/31/2025 0:00:00		
Violation ID:	193		
Enforcement Date:	4/12/2007 0:00:00	Enf. Action:	Not Reported
System Name:	NELLIS AIR FORCE BASE		
Violation Type:	Initial Tap Sampling for Pb and Cu		
Contaminant:	LEAD & COPPER RULE		
Compliance Period:	7/1/1992 0:00:00 - 12/31/2025 0:00:00		
Violation ID:	193		
Enforcement Date:	No Enf Action as of	Enf. Action:	10/17/2006 0:00:00
System Name:	NELLIS AIR FORCE BASE AREA		
Violation Type:	Initial Tap Sampling for Pb and Cu		
Contaminant:	LEAD & COPPER RULE		
Compliance Period:	1992-07-01 - 2015-12-31		
Violation ID:	9300001		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
System Name:	NELLIS AIR FORCE BASE AREA		
Violation Type:	Initial Tap Sampling for Pb and Cu		
Contaminant:	LEAD & COPPER RULE		
Compliance Period:	1992-07-01 - 2015-12-31		
Violation ID:	9300001		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
System Name:	NELLIS AIR FORCE BASE		
Violation Type:	Initial Tap Sampling for Pb and Cu		
Contaminant:	LEAD & COPPER RULE		
Compliance Period:	1992-07-01 - 2015-12-31		
Violation ID:	9300001		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
System Name:	NELLIS AIR FORCE BASE AREA 1 2		
Violation Type:	Initial Tap Sampling for Pb and Cu		
Contaminant:	LEAD & COPPER RULE		
Compliance Period:	1992-07-01 - 2015-12-31		
Violation ID:	9300001		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

**ENFORCEMENT INFORMATION:**

System Name:	NELLIS AIR FORCE BASE AREA		
Violation Type:	Initial Tap Sampling for Pb and Cu		
Contaminant:	LEAD & COPPER RULE		
Compliance Period:	1992-07-01 - 2015-12-31		
Violation ID:	93V0001		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported
System Name:	NELLIS AIR FORCE BASE AREA		
Violation Type:	Monitoring, Routine Minor (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-07-01 - 1994-07-31		
Violation ID:	9400002		
Enforcement Date:	Not Reported	Enf. Action:	Not Reported

**CONTACT INFORMATION:**

Name:	NELLIS AIR FORCE BASE	Population:	6288
Contact:	BENNETT, YOLANDA	Phone:	702-653-3313
Address:	4700 LAS VEGAS BLVD STE 2419		
Address 2:	99 AMDS SGPB NELLIS AFB, NV 89191		

**T300  
SW  
1/2 - 1 Mile  
Lower**

**NV WELLS      NV2000000032392**

Sequence #:	12204	Well log:	36467
App:	Not Reported	Notice of :	0
Waiver no:	Not Reported	Date log r:	11/18/1991 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	Not Reported
Legal quarter:	Not Reported	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2397003173828
Longitude:	-115.052001953125	Lat long s:	NV003
Lat long acc:	T		
Owner current:	ROCK BREAKERS		
Owner addr:	NELLIS AFB		
Owner no:	WELL 02		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	11/01/1991 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	129	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	129
Casing diameter:	2.5		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	78		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	18917	Contract 1:	ALLEN DRILLING INC
Contract 2:	4847 S VALLEY VIEW LAS VEGAS NV 89103		
Contract 3:	0		
Driller li:	1661	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	10/31/1991 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	675030.173403		
Utm y:	4012095.70741		

**T301  
SW  
1/2 - 1 Mile  
Lower**

**NV WELLS    NV2000000032391**

Sequence #:	12203	Well log:	36466
App:	Not Reported	Notice of :	0
Waiver no:	Not Reported	Date log r:	11/18/1991 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	Not Reported
Legal quarter:	Not Reported	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2397003173828
Longitude:	-115.052001953125	Lat long s:	NV003
Lat long acc:	T		
Owner current:	ROCK BREAKERS		
Owner addr:	NELLIS AFB		
Owner no:	WELL 01		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	11/01/1991 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	129	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	129
Casing diameter:	2.5		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	78		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	18917	Contract 1:	ALLEN DRILLING INC
Contract 2:	4847 S VALLEY VIEW LAS VEGAS NV 89103		
Contract 3:	0		
Driller li:	1661	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	10/31/1991 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	0	Gravel p 2:	0
Utm x:	675030.173403		
Utm y:	4012095.70741		

**T302  
SW  
1/2 - 1 Mile  
Lower**

**NV WELLS      NV2000000032393**

Sequence #:	12205	Well log:	36468
App:	Not Reported	Notice of :	0
Waiver no:	Not Reported	Date log r:	11/18/1991 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	Not Reported
Legal quarter:	Not Reported	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2397003173828
Longitude:	-115.052001953125	Lat long s:	NV003
Lat long acc:	T		
Owner current:	ROCK BREAKERS		
Owner addr:	NELLIS AFB		
Owner no:	WELL 03		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	11/01/1991 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	129	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	129
Casing diameter:	2.5		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	78		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	18917	Contract 1:	ALLEN DRILLING INC
Contract 2:	4847 S VALLEY VIEW LAS VEGAS NV 89103		
Contract 3:	0		
Driller li:	1661	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	10/31/1991 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	675030.173403		
Utm y:	4012095.70741		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**T303**  
**SW**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000032395**

Sequence #:	29569	Well log:	51899
App:	Not Reported	Notice of :	0
Waiver no:	Not Reported	Date log r:	04/29/1996 00:00:00
Date log 1:	Not Reported	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	H	Drilling method:	C
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	Not Reported
Legal quarter:	Not Reported	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2397003173828
Longitude:	-115.052001953125	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S ARMY CORPS OF ENGINEERS		
Owner addr:	Not Reported		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	09/06/1943 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	500	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	449
Casing diameter:	16		
Casing reduc:	1	Top perf:	203
Bottom perf:	239	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	170		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	Not Reported
Contract 2:	Not Reported		
Contract 3:	0		
Driller li:	0	Source age:	NV003
User id:	DBRANTLE	Date entry:	08/06/1996 00:00:00
Update use:	dsdavis	Date updat:	08/06/1996 00:00:00
Edit statu:	F	Well start:	09/06/1943 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	675030.173403		
Utm y:	4012095.70741		

**T304**  
**SW**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000032394**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	29568	Well log:	51898
App:	Not Reported	Notice of :	0
Waiver no:	Not Reported	Date log r:	04/29/1996 00:00:00
Date log 1:	Not Reported	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	H	Drilling method:	C
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	Not Reported
Legal quarter:	Not Reported	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2397003173828
Longitude:	-115.052001953125	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S ARMY CORPS OF ENGINEERS		
Owner addr:	GUNNERY SCHOOL		
Owner no:	418		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	06/25/1942 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	795	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	786
Casing diameter:	16		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	51		
Temperature:	0		
Yield:	200		
Drawdown:	80		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	Not Reported
Contract 2:	Not Reported		
Contract 3:	0		
Driller li:	0	Source age:	NV003
User id:	DBRANTLE	Date entry:	08/06/1996 00:00:00
Update use:	DBRANTLE	Date updat:	04/28/2000 00:00:00
Edit statu:	F	Well start:	06/25/1942 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	675030.173403		
Utm y:	4012095.70741		

**U305  
SSW  
1/2 - 1 Mile  
Lower**

**NV WELLS      NV2000000032140**

Sequence #:	18023	Well log:	42286
App:	Not Reported	Notice of :	4617
Waiver no:	MO-2274	Date log r:	07/21/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	04	Sec quarter:	DB
Legal quarter:	NW SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2380981445313
Longitude:	-115.050003051758	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S AIR FORCE		
Owner addr:	NELLIS AFB BX SERV STATION		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	06/17/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	19
Depth drilled:	49	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	49
Casing diameter:	6.5		
Casing reduc:	0	Top perf:	34
Bottom perf:	49	Perf interval:	1
Static wl:	36		
Temperature:	0		
Yield:	60		
Drawdown:	42		
Hours pump:	.02		
Test method:	P	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	1526	Contract 1:	HAROLD NESTER
Contract 2:	6933 W SIERRA PEORIA AZ		
Contract 3:	0		
Driller li:	1526	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	06/10/1993 00:00:00
Gravel p 1:	29	Gravel p 2:	49
Utm x:	675258.575301		
Utm y:	4011915.33438		

**U306**  
**SSW**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000032141**

Sequence #:	47934	Well log:	69364
App:	Not Reported	Notice of :	15920
Waiver no:	Not Reported	Date log r:	12/16/1997 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	DB
Legal quarter:	NW SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2380981445313
Longitude:	-115.050003051758	Lat long s:	NV003
Lat long acc:	T		
Owner current:	NELLIS AFB		
Owner addr:	4349 DUFFER DR		
Owner no:	Not Reported		
Parcel no:	140-04-801-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	10/21/1997 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	35
Depth drilled:	70	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	70
Casing diameter:	4.25		
Casing reduc:	0	Top perf:	40
Bottom perf:	70	Perf interval:	1
Static wl:	41		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38527	Contract 1:	WEBER DRILLING SERVICES
Contract 2:	1210 SHARP CIR N LAS VEGAS NV		
Contract 3:	0		
Driller li:	2057	Source age:	NV003
User id:	DBRANTLE	Date entry:	12/17/1997 00:00:00
Update use:	Not Reported	Date updat:	05/13/1998 00:00:00
Edit statu:	F	Well start:	10/20/1997 00:00:00
Gravel p 1:	38	Gravel p 2:	70
Utm x:	675258.575301		
Utm y:	4011915.33438		

**V307  
WSW  
1/2 - 1 Mile  
Lower**

**NV WELLS      NV2000000032479**

Sequence #:	24638	Well log:	3168
App:	16040	Notice of :	0
Waiver no:	Not Reported	Date log r:	09/23/1955 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	C	Drilling method:	C
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	BD
Legal quarter:	SE NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.24169921875
Longitude:	-115.054000854492	Lat long s:	NV003
Lat long acc:	T		
Owner current:	SCHROER, ERNEST		
Owner addr:	Not Reported		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	08/09/1955 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	85

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	150	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	150
Casing diameter:	8.62		
Casing reduc:	0	Top perf:	100
Bottom perf:	150	Perf interval:	1
Static wl:	80		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	Not Reported
Contract 2:	Not Reported		
Contract 3:	0		
Driller li:	40	Source age:	NV003
User id:	PCOOKE	Date entry:	09/19/1995 00:00:00
Update use:	dsdavis	Date updat:	07/15/1996 00:00:00
Edit statu:	F	Well start:	08/02/1955 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	674826.126059		
Utm y:	4012307.40291		

**V308  
WSW  
1/2 - 1 Mile  
Lower**

**NV WELLS      NV2000000032480**

Sequence #:	24464	Well log:	6408
App:	19832	Notice of :	0
Waiver no:	Not Reported	Date log r:	02/28/1962 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	C	Drilling method:	C
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	BD
Legal quarter:	SE NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.24169921875
Longitude:	-115.054000854492	Lat long s:	NV003
Lat long acc:	T		
Owner current:	MCMURTREY, WILLIAM R		
Owner addr:	CRAIG RD & SALT LAKE HWY		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	01/30/1962 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	0
Depth drilled:	200	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	200
Casing diameter:	8		
Casing reduc:	0	Top perf:	110
Bottom perf:	190	Perf interval:	1
Static wl:	76		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	Not Reported
Contract 2:	Not Reported		
Contract 3:	0		
Driller li:	212	Source age:	NV003
User id:	PCOOKE	Date entry:	09/11/1995 00:00:00
Update use:	dsdavis	Date updat:	07/15/1996 00:00:00
Edit statu:	F	Well start:	01/24/1962 00:00:00
Gravel p 1:	50	Gravel p 2:	200
Utm x:	674826.126059		
Utm y:	4012307.40291		

**V309**  
**WSW**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000032481**

Sequence #:	66907	Well log:	86694
App:	Not Reported	Notice of :	22796
Waiver no:	Not Reported	Date log r:	05/17/2002 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	BD
Legal quarter:	SE NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.24169921875
Longitude:	-115.054000854492	Lat long s:	NV003
Lat long acc:	M		
Owner current:	DENINNO, BOB		
Owner addr:	4305 N LAS VEGAS BLVD		
Owner no:	Not Reported	Subdivisio:	Not Reported
Parcel no:	140-04-301-004	Block no:	Not Reported
Lot no:	Not Reported	Date cmplt:	D
Well finish:	11/15/2001 00:00:00	Depth seal:	33
Gravel pack:	Y	Depth bedrock:	0
Depth drilled:	45	Depth case:	45
Aquifer depth:	Not Reported		
Casing diameter:	4	Top perf:	35
Casing reduc:	0	Perf interval:	1
Bottom perf:	45		
Static wl:	39		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	51266	Contract 1:	EAGLE DRILLING SERVICES LLC
Contract 2:	7560 W SAHARA AVE STE 101 LAS VEGAS NV 89117		
Contract 3:	0		
Driller li:	2173	Source age:	NV003
User id:	DBRANTLE	Date entry:	09/11/2002 00:00:00
Update use:	DBRANTLE	Date updat:	09/11/2002 00:00:00
Edit statu:	F	Well start:	11/15/2001 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	33	Gravel p 2:	45
Utm x:	674826.126059		
Utm y:	4012307.40291		

**W310  
North  
1/2 - 1 Mile  
Higher**

**NV WELLS    NV2000000035008**

Sequence #:	11457	Well log:	35720
App:	Not Reported	Notice of :	8219
Waiver no:	MO-2075	Date log r:	09/17/1991 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	R
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BB
Legal quarter:	NW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2599983215332
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	TEXACO		
Owner addr:	5049-13 SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	10/04/1991 00:00:00	Date cmplt:	Not Reported
Gravel pack:	Y	Depth seal:	75
Depth drilled:	125	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	125
Casing diameter:	4		
Casing reduc:	0	Top perf:	85
Bottom perf:	125	Perf interval:	1
Static wl:	95		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	LAYNE ENVIRONMENTAL
Contract 2:	9002 S HARDY DR TEMPE AZ		
Contract 3:	0		
Driller li:	1682	Source age:	NV003
User id:	slclary	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	12/30/1996 00:00:00
Edit statu:	F	Well start:	09/27/1991 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676033.172919		
Utm y:	4014366.38949		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**W311**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**NV WELLS      NV2000000035009**

Sequence #:	11458	Well log:	35721
App:	Not Reported	Notice of :	8220
Waiver no:	MO-2075	Date log r:	09/17/1991 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	R
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BB
Legal quarter:	NW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2599983215332
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	TEXACO		
Owner addr:	5049-13 SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	10/04/1991 00:00:00	Date cmplt:	Not Reported
Gravel pack:	Y	Depth seal:	75
Depth drilled:	126	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	125
Casing diameter:	4		
Casing reduc:	0	Top perf:	85
Bottom perf:	125	Perf interval:	1
Static wl:	90		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	LAYNE ENVIRONMENTAL
Contract 2:	9002 S HARDY DR TEMPE AZ		
Contract 3:	0		
Driller li:	1682	Source age:	NV003
User id:	slclary	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	12/30/1996 00:00:00
Edit statu:	F	Well start:	09/27/1991 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676033.172919		
Utm y:	4014366.38949		

**W312**  
**North**  
**1/2 - 1 Mile**  
**Higher**

**NV WELLS      NV2000000035006**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	11317	Well log:	35580
App:	Not Reported	Notice of :	8261
Waiver no:	MO-2075	Date log r:	09/17/1991 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	R
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BB
Legal quarter:	NW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2599983215332
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	TEXACO		
Owner addr:	5049-13 SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	09/02/1991 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	125
Depth drilled:	125	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	0		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	F
Qual lith :	F		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	Not Reported
Contract 2:	9002 S HARDY DR TEMPE AZ		
Contract 3:	0		
Driller li:	0	Source age:	NV003
User id:	RJMATHIS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/01/1996 00:00:00
Edit statu:	F	Well start:	08/06/1991 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676033.172919		
Utm y:	4014366.38949		

**W313  
North  
1/2 - 1 Mile  
Higher**

**NV WELLS      NV2000000035007**

Sequence #:	11318	Well log:	35581
App:	Not Reported	Notice of :	8218
Waiver no:	MO-2075	Date log r:	09/17/1991 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	R
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	34	Sec quarter:	BB
Legal quarter:	NW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2599983215332
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	TEXACO		
Owner addr:	5049-13 SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	09/02/1991 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	125	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	125
Casing diameter:	4		
Casing reduc:	0	Top perf:	85
Bottom perf:	125	Perf interval:	1
Static wl:	90		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	Not Reported
Contract 2:	9002 S HARDY DR TEMPE AZ		
Contract 3:	0		
Driller li:	0	Source age:	NV003
User id:	RJMATHIS	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/01/1996 00:00:00
Edit statu:	F	Well start:	08/06/1991 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676033.172919		
Utm y:	4014366.38949		

**W314  
North  
1/2 - 1 Mile  
Higher**

**NV WELLS    NV2000000035012**

Sequence #:	11461	Well log:	35724
App:	Not Reported	Notice of :	8223
Waiver no:	MO-2075	Date log r:	09/17/1991 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	R
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BB
Legal quarter:	NW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2599983215332
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	TEXACO		
Owner addr:	5049-13 SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	07/19/1991 00:00:00	Date cmplt:	Not Reported
Gravel pack:	Y	Depth seal:	74
Depth drilled:	110	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	120
Casing diameter:	4		
Casing reduc:	0	Top perf:	76
Bottom perf:	110	Perf interval:	1
Static wl:	91		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	LAYNE ENVIRONMENTAL
Contract 2:	9002 S HARDY DR TEMPE AZ		
Contract 3:	0		
Driller li:	1682	Source age:	NV003
User id:	slclary	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	12/30/1996 00:00:00
Edit statu:	F	Well start:	09/27/1991 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676033.172919		
Utm y:	4014366.38949		

**W315  
North  
1/2 - 1 Mile  
Higher**

**NV WELLS      NV2000000035013**

Sequence #:	45122	Well log:	66559
App:	Not Reported	Notice of :	0
Waiver no:	MO-2075	Date log r:	09/13/1991 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	U
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BB
Legal quarter:	NW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2599983215332
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	TEXACO		
Owner addr:	Not Reported		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	09/03/1991 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	126	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	126
Casing diameter:	4		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	P
Qual lith :	N		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	LAYNE ENVIRONMENTAL
Contract 2:	TEMPE AZ		
Contract 3:	0		
Driller li:	0	Source age:	NV003
User id:	KCOON	Date entry:	07/09/1997 00:00:00
Update use:	user15	Date updat:	02/02/1998 00:00:00
Edit statu:	F	Well start:	12/11/1992 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676033.172919		
Utm y:	4014366.38949		

**W316  
North  
1/2 - 1 Mile  
Higher**

**NV WELLS      NV2000000035010**

Sequence #:	11459	Well log:	35722
App:	Not Reported	Notice of :	8221
Waiver no:	MO-2075	Date log r:	09/17/1991 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	R
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BB
Legal quarter:	NW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2599983215332
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	TEXACO		
Owner addr:	5049-13 SLOAN LN		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	07/18/1991 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	71
Depth drilled:	120	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	120
Casing diameter:	4		
Casing reduc:	0	Top perf:	80
Bottom perf:	120	Perf interval:	1
Static wl:	93		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	LAYNE ENVIRONMENTAL
Contract 2:	9002 S HARDY DR TEMPE AZ		
Contract 3:	0		
Driller li:	1682	Source age:	NV003
User id:	slclary	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	12/30/1996 00:00:00
Edit statu:	F	Well start:	09/27/1991 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	676033.172919		
Utm y:	4014366.38949		

**W317  
North  
1/2 - 1 Mile  
Higher**

**NV WELLS      NV2000000035011**

Sequence #:	11460	Well log:	35723
App:	Not Reported	Notice of :	8222
Waiver no:	MO-2075	Date log r:	09/17/1991 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	R
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	BB
Legal quarter:	NW NW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2599983215332
Longitude:	-115.041000366211	Lat long s:	NV003
Lat long acc:	T		
Owner current:	TEXACO		
Owner addr:	5049-13 SLOAN LN		
Owner no:	Not Reported	Subdivisio:	Not Reported
Parcel no:	Not Reported	Block no:	Not Reported
Lot no:	Not Reported	Date cmplt:	D
Well finish:	07/19/1991 00:00:00	Depth seal:	73
Gravel pack:	Y	Depth bedrock:	0
Depth drilled:	120	Depth case:	120
Aquifer depth:	Not Reported		
Casing diameter:	4	Top perf:	80
Casing reduc:	0	Perf interval:	1
Bottom perf:	120		
Static wl:	91		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	LAYNE ENVIRONMENTAL
Contract 2:	9002 S HARDY DR TEMPE AZ		
Contract 3:	0		
Driller li:	1682	Source age:	NV003
User id:	slclary	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	12/30/1996 00:00:00
Edit statu:	F	Well start:	09/27/1991 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	0	Gravel p 2:	0
Utm x:	676033.172919		
Utm y:	4014366.38949		

**X318**  
**East**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS    NV2000000033458**

Sequence #:	23405	Well log:	47655
App:	Not Reported	Notice of :	14740
Waiver no:	MO-2555	Date log r:	06/26/1995 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	DD
Legal quarter:	SE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2489013671875
Longitude:	-115.027000427246	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S AIR FORCE		
Owner addr:	NELLIS AFB		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/28/1995 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	81
Depth drilled:	89	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	85
Casing diameter:	2.5		
Casing reduc:	0	Top perf:	65
Bottom perf:	85	Perf interval:	1
Static wl:	68		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	39528	Contract 1:	WEBER ENVIRONMENTAL INC
Contract 2:	115 S WEBER DR STE 1 CHANDLER AZ 85226		
Contract 3:	1910		
Driller li:	1910	Source age:	NV003
User id:	DBRANTLE	Date entry:	07/05/1995 00:00:00
Update use:	dsdavis	Date updat:	10/11/1996 00:00:00
Edit statu:	F	Well start:	03/27/1995 00:00:00
Gravel p 1:	83	Gravel p 2:	87
Utm x:	677281.230155		
Utm y:	4013158.59352		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**X319**  
**East**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000033459**

Sequence #:	48772	Well log:	70202
App:	Not Reported	Notice of :	14740
Waiver no:	MO-2555	Date log r:	07/26/1995 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	34	Sec quarter:	DD
Legal quarter:	SE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2489013671875
Longitude:	-115.027000427246	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S AIR FORCE		
Owner addr:	NELLIS AFB		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/28/1995 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	81
Depth drilled:	87	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	85
Casing diameter:	2.5		
Casing reduc:	0	Top perf:	65
Bottom perf:	85	Perf interval:	1
Static wl:	68		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	39528	Contract 1:	WEBER ENVIRONMENTAL INC
Contract 2:	115 S WEBER DR STE 1 CHANDLER AZ 85226		
Contract 3:	0		
Driller li:	1910	Source age:	NV003
User id:	DBRANTLE	Date entry:	02/10/1998 00:00:00
Update use:	Not Reported	Date updat:	02/10/1998 00:00:00
Edit statu:	F	Well start:	03/28/1995 00:00:00
Gravel p 1:	83	Gravel p 2:	87
Utm x:	677281.230155		
Utm y:	4013158.59352		

**Y320**  
**NNW**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS3099000**

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	361536115024201
Site name:	212 S19 E62 33AA 1 CalNev Pipeline		
Latitude:	361536		
Longitude:	1150242	Dec lat:	36.25997027
Dec lon:	-115.04583522	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	32
State:	32	County:	003
Country:	US	Land net:	NENES33 T19S R62E M
Location map:	VALLEY, NV	Map scale:	24000
Altitude:	1955.		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	20		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Las Vegas Wash. Nevada. Area = 1860 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19620511
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	550	Hole depth:	550
Source of depth data:	Not Reported		
Project number:	NV-79-081		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1962-05-11	Ground water data end date:	1962-05-11
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1962-05-11	92	

**Z321**  
**ESE**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000033036**

Sequence #:	63477	Well log:	84302
App:	Not Reported	Notice of :	21239
Waiver no:	Not Reported	Date log r:	08/22/2001 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	03	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.027000427246	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S AIR FORCE		
Owner addr:	Not Reported		
Owner no:	01		
Parcel no:	140-03-101-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/23/2001 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	19101	Contract 1:	LAYNE CHRISTENSEN CO
Contract 2:	12030 E RIGGS RD CHANDLER AZ 85249		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/25/2001 00:00:00
Update use:	DBRANTLE	Date updat:	01/09/2002 00:00:00
Edit statu:	F	Well start:	03/19/2001 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	677289.390145		
Utm y:	4012757.98983		

**Z322**  
**ESE**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000033035**

Sequence #:	53939	Well log:	75364
App:	Not Reported	Notice of :	17429
Waiver no:	Not Reported	Date log r:	04/06/1999 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.027000427246	Lat long s:	NV003
Lat long acc:	T		
Owner current:	NELLIS AFB		
Owner addr:	4349 DUFFER DR		
Owner no:	Not Reported		
Parcel no:	140-03-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	10/01/1998 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6
Depth drilled:	80	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	80
Casing diameter:	4.25		
Casing reduc:	0	Top perf:	10
Bottom perf:	80	Perf interval:	1
Static wl:	63		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38527	Contract 1:	COMPLIANCE DRILLING CORP
Contract 2:	P O BOX 94136 LAS VEGAS NV 89193		
Contract 3:	0		
Driller li:	2057	Source age:	NV003
User id:	DBRANTLE	Date entry:	06/14/1999 00:00:00
Update use:	Not Reported	Date updat:	03/23/2000 00:00:00
Edit statu:	F	Well start:	10/01/1998 00:00:00
Gravel p 1:	8	Gravel p 2:	80
Utm x:	677289.390145		
Utm y:	4012757.98983		

**Z323  
ESE  
1/2 - 1 Mile  
Lower**

**NV WELLS      NV2000000033034**

Sequence #:	53886	Well log:	75311
App:	Not Reported	Notice of :	17429
Waiver no:	Not Reported	Date log r:	04/06/1999 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.027000427246	Lat long s:	NV003
Lat long acc:	T		
Owner current:	NELLIS AFB		
Owner addr:	PROPULSION BLDG		
Owner no:	Not Reported		
Parcel no:	140-03-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	09/28/1998 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	80	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	80
Casing diameter:	4.25		
Casing reduc:	0	Top perf:	10
Bottom perf:	80	Perf interval:	1
Static wl:	62		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38527	Contract 1:	COMPLIANCE DRILLING CORP
Contract 2:	P O BOX 94136 LAS VEGAS NV 89193		
Contract 3:	0		
Driller li:	2057	Source age:	NV003
User id:	DBRANTLE	Date entry:	06/11/1999 00:00:00
Update use:	DSDAVIS	Date updat:	09/21/1999 00:00:00
Edit statu:	F	Well start:	09/28/1998 00:00:00
Gravel p 1:	8	Gravel p 2:	80
Utm x:	677289.390145		
Utm y:	4012757.98983		

**Z324  
ESE  
1/2 - 1 Mile  
Lower**

**NV WELLS      NV2000000033039**

Sequence #:	63480	Well log:	84305
App:	Not Reported	Notice of :	21239
Waiver no:	Not Reported	Date log r:	08/22/2001 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.027000427246	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S AIR FORCE		
Owner addr:	Not Reported		
Owner no:	04		
Parcel no:	140-03-101-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/23/2001 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	19101	Contract 1:	LAYNE CHRISTENSEN CO
Contract 2:	12030 E RIGGS RD CHANDLER AZ 85249		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/25/2001 00:00:00
Update use:	DBRANTLE	Date updat:	01/09/2002 00:00:00
Edit statu:	F	Well start:	03/19/2001 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	677289.390145		
Utm y:	4012757.98983		

**Z325  
ESE  
1/2 - 1 Mile  
Lower**

**NV WELLS      NV2000000033038**

Sequence #:	63479	Well log:	84304
App:	Not Reported	Notice of :	21239
Waiver no:	Not Reported	Date log r:	08/22/2001 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.027000427246	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S AIR FORCE		
Owner addr:	Not Reported		
Owner no:	03		
Parcel no:	140-03-101-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/23/2001 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	19101	Contract 1:	LAYNE CHRISTENSEN CO
Contract 2:	12030 E RIGGS RD CHANDLER AZ 85249		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/25/2001 00:00:00
Update use:	DBRANTLE	Date updat:	01/09/2002 00:00:00
Edit statu:	F	Well start:	03/19/2001 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	0	Gravel p 2:	0
Utm x:	677289.390145		
Utm y:	4012757.98983		

**Z326**  
**ESE**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000033037**

Sequence #:	63478	Well log:	84303
App:	Not Reported	Notice of :	21239
Waiver no:	Not Reported	Date log r:	08/22/2001 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.027000427246	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S AIR FORCE		
Owner addr:	Not Reported		
Owner no:	02		
Parcel no:	140-03-101-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/23/2001 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	19101	Contract 1:	LAYNE CHRISTENSEN CO
Contract 2:	12030 E RIGGS RD CHANDLER AZ 85249		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/25/2001 00:00:00
Update use:	DBRANTLE	Date updat:	01/09/2002 00:00:00
Edit statu:	F	Well start:	03/19/2001 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	677289.390145		
Utm y:	4012757.98983		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**Z327**  
**ESE**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000033033**

Sequence #:	53885	Well log:	75310
App:	Not Reported	Notice of :	17429
Waiver no:	Not Reported	Date log r:	04/06/1999 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.027000427246	Lat long s:	NV003
Lat long acc:	T		
Owner current:	NELLIS AFB		
Owner addr:	PROPULSION BLDG		
Owner no:	Not Reported		
Parcel no:	140-03-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	09/29/1998 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6
Depth drilled:	80	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	80
Casing diameter:	4.25		
Casing reduc:	0	Top perf:	10
Bottom perf:	80	Perf interval:	1
Static wl:	63		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	38527	Contract 1:	COMPLIANCE DRILLING CORP
Contract 2:	P O BOX 94136 LAS VEGAS NV 89193		
Contract 3:	0		
Driller li:	2057	Source age:	NV003
User id:	DBRANTLE	Date entry:	06/11/1999 00:00:00
Update use:	DSDAVIS	Date updat:	09/21/1999 00:00:00
Edit statu:	F	Well start:	09/29/1998 00:00:00
Gravel p 1:	8	Gravel p 2:	80
Utm x:	677289.390145		
Utm y:	4012757.98983		

**Z328**  
**ESE**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000033029**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	49586	Well log:	71012
App:	Not Reported	Notice of :	16517
Waiver no:	Not Reported	Date log r:	12/16/1997 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.027000427246	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S AIR FORCE		
Owner addr:	NELLIS AFB		
Owner no:	Not Reported		
Parcel no:	140-10-101-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	08/30/1997 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	18
Depth drilled:	70	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	70
Casing diameter:	1		
Casing reduc:	0	Top perf:	20
Bottom perf:	68	Perf interval:	3
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	39528	Contract 1:	WEBER ENVIRONMENTAL INC
Contract 2:	115 S WEBER DR STE 1 CHANDLER AZ 85226		
Contract 3:	0		
Driller li:	2057	Source age:	NV003
User id:	DBRANTLE	Date entry:	05/01/1998 00:00:00
Update use:	Not Reported	Date updat:	05/21/1998 00:00:00
Edit statu:	F	Well start:	08/30/1997 00:00:00
Gravel p 1:	18	Gravel p 2:	70
Utm x:	677289.390145		
Utm y:	4012757.98983		

**Z329**  
**ESE**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000033028**

Sequence #:	49585	Well log:	71011
App:	Not Reported	Notice of :	16517
Waiver no:	Not Reported	Date log r:	12/16/1997 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	03	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.027000427246	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S AIR FORCE		
Owner addr:	NELLIS AFB		
Owner no:	Not Reported		
Parcel no:	140-10-101-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	08/23/1997 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	25
Depth drilled:	70	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	70
Casing diameter:	4.25		
Casing reduc:	0	Top perf:	30
Bottom perf:	70	Perf interval:	1
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	39528	Contract 1:	WEBER ENVIRONMENTAL INC
Contract 2:	115 S WEBER DR STE 1 CHANDLER AZ 85226		
Contract 3:	0		
Driller li:	2057	Source age:	NV003
User id:	DBRANTLE	Date entry:	05/01/1998 00:00:00
Update use:	Not Reported	Date updat:	05/21/1998 00:00:00
Edit statu:	F	Well start:	08/23/1997 00:00:00
Gravel p 1:	25	Gravel p 2:	70
Utm x:	677289.390145		
Utm y:	4012757.98983		

**Z330**  
**ESE**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000033027**

Sequence #:	15907	Well log:	40170
App:	Not Reported	Notice of :	6292
Waiver no:	Not Reported	Date log r:	06/18/1990 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.027000427246	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S ARMY		
Owner addr:	NELLIS AFB		
Owner no:	MW-49		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	05/06/1990 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	55
Depth drilled:	95	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	94
Casing diameter:	4		
Casing reduc:	0	Top perf:	64
Bottom perf:	94	Perf interval:	1
Static wl:	71		
Temperature:	74		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	H-F DRILLING INC
Contract 2:	1456B S MANHATN FULLERTON CA		
Contract 3:	1614		
Driller li:	1614	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	08/27/1997 00:00:00
Edit statu:	F	Well start:	05/05/1990 00:00:00
Gravel p 1:	60	Gravel p 2:	95
Utm x:	677289.390145		
Utm y:	4012757.98983		

**Z331  
ESE  
1/2 - 1 Mile  
Lower**

**NV WELLS      NV2000000033032**

Sequence #:	53884	Well log:	75309
App:	Not Reported	Notice of :	17429
Waiver no:	Not Reported	Date log r:	04/06/1999 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.027000427246	Lat long s:	NV003
Lat long acc:	T		
Owner current:	NELLIS AFB		
Owner addr:	PROPULSION BLDG		
Owner no:	Not Reported		
Parcel no:	140-03-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	09/30/1998 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	80	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	80
Casing diameter:	4.25		
Casing reduc:	0	Top perf:	10
Bottom perf:	80	Perf interval:	1
Static wl:	63		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	39527	Contract 1:	COMPLIANCE DRILLING CORP
Contract 2:	P O BOX 94136 LAS VEGAS NV 89193		
Contract 3:	0		
Driller li:	2057	Source age:	NV003
User id:	DBRANTLE	Date entry:	06/11/1999 00:00:00
Update use:	DSDAVIS	Date updat:	09/21/1999 00:00:00
Edit statu:	F	Well start:	09/30/1998 00:00:00
Gravel p 1:	8	Gravel p 2:	80
Utm x:	677289.390145		
Utm y:	4012757.98983		

**Z332  
ESE  
1/2 - 1 Mile  
Lower**

**NV WELLS      NV2000000033031**

Sequence #:	53883	Well log:	75308
App:	Not Reported	Notice of :	17429
Waiver no:	Not Reported	Date log r:	04/06/1999 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.027000427246	Lat long s:	NV003
Lat long acc:	T		
Owner current:	NELLIS AFB		
Owner addr:	PROPULSION BLDG		
Owner no:	Not Reported		
Parcel no:	140-03-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	10/02/1998 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	6
Depth drilled:	80	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	80
Casing diameter:	4.25		
Casing reduc:	0	Top perf:	10
Bottom perf:	80	Perf interval:	1
Static wl:	63		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	39527	Contract 1:	COMPLIANCE DRILLING CORP
Contract 2:	P O BOX 94136 LAS VEGAS NV 89193		
Contract 3:	0		
Driller li:	2057	Source age:	NV003
User id:	DBRANTLE	Date entry:	06/11/1999 00:00:00
Update use:	DSDAVIS	Date updat:	09/21/1999 00:00:00
Edit statu:	F	Well start:	10/02/1998 00:00:00
Gravel p 1:	8	Gravel p 2:	80
Utm x:	677289.390145		
Utm y:	4012757.98983		

**Z333  
ESE  
1/2 - 1 Mile  
Lower**

**NV WELLS      NV2000000033030**

Sequence #:	49587	Well log:	71013
App:	Not Reported	Notice of :	16517
Waiver no:	Not Reported	Date log r:	12/16/1997 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.027000427246	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S AIR FORCE		
Owner addr:	NELLIS AFB		
Owner no:	Not Reported		
Parcel no:	140-10-101-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	08/29/1997 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	18
Depth drilled:	70	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	70
Casing diameter:	1		
Casing reduc:	0	Top perf:	20
Bottom perf:	68	Perf interval:	3
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	39528	Contract 1:	WEBER ENVIRONMENTAL INC
Contract 2:	115 S WEBER DR STE 1 CHANDLER AZ 85226		
Contract 3:	0		
Driller li:	2057	Source age:	NV003
User id:	DBRANTLE	Date entry:	05/01/1998 00:00:00
Update use:	Not Reported	Date updat:	05/21/1998 00:00:00
Edit statu:	F	Well start:	08/29/1997 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	18	Gravel p 2:	70
Utm x:	677289.390145		
Utm y:	4012757.98983		

**Z334**  
**ESE**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000033040**

Sequence #:	63481	Well log:	84306
App:	Not Reported	Notice of :	21239
Waiver no:	Not Reported	Date log r:	08/22/2001 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.027000427246	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S AIR FORCE		
Owner addr:	Not Reported		
Owner no:	05		
Parcel no:	140-03-101-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/23/2001 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	19101	Contract 1:	LAYNE CHRISTENSEN CO
Contract 2:	12030 E RIGGS RD CHANDLER AZ 85249		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/25/2001 00:00:00
Update use:	DBRANTLE	Date updat:	01/09/2002 00:00:00
Edit statu:	F	Well start:	03/19/2001 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	677289.390145		
Utm y:	4012757.98983		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**Z335**  
**ESE**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000033050**

Sequence #:	63494	Well log:	84319
App:	Not Reported	Notice of :	21241
Waiver no:	Not Reported	Date log r:	08/22/2001 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.027000427246	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S AIR FORCE		
Owner addr:	Not Reported		
Owner no:	09		
Parcel no:	140-03-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/24/2001 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	19101	Contract 1:	LAYNE CHRISTENSEN CO
Contract 2:	12030 E RIGGS RD CHANDLER AZ 85249		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/25/2001 00:00:00
Update use:	DBRANTLE	Date updat:	01/09/2002 00:00:00
Edit statu:	F	Well start:	03/19/2001 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	677289.390145		
Utm y:	4012757.98983		

**Z336**  
**ESE**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000033049**

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	63493	Well log:	84318
App:	Not Reported	Notice of :	21241
Waiver no:	Not Reported	Date log r:	08/22/2001 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.027000427246	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S AIR FORCE		
Owner addr:	Not Reported		
Owner no:	08		
Parcel no:	140-03-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/24/2001 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	19101	Contract 1:	LAYNE CHRISTENSEN CO
Contract 2:	12030 E RIGGS RD CHANDLER AZ 85249		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/25/2001 00:00:00
Update use:	DBRANTLE	Date updat:	01/09/2002 00:00:00
Edit statu:	F	Well start:	03/19/2001 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	677289.390145		
Utm y:	4012757.98983		

**Z337  
ESE  
1/2 - 1 Mile  
Lower**

**NV WELLS      NV2000000033048**

Sequence #:	63492	Well log:	84317
App:	Not Reported	Notice of :	21241
Waiver no:	Not Reported	Date log r:	08/22/2001 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	03	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.027000427246	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S AIR FORCE		
Owner addr:	Not Reported		
Owner no:	07		
Parcel no:	140-03-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/24/2001 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	19101	Contract 1:	LAYNE CHRISTENSEN CO
Contract 2:	12030 E RIGGS RD CHANDLER AZ 85249		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/25/2001 00:00:00
Update use:	DBRANTLE	Date updat:	01/09/2002 00:00:00
Edit statu:	F	Well start:	03/19/2001 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	677289.390145		
Utm y:	4012757.98983		

**Z338**  
**ESE**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000033053**

Sequence #:	63497	Well log:	84322
App:	Not Reported	Notice of :	21241
Waiver no:	Not Reported	Date log r:	08/22/2001 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.027000427246	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S AIR FORCE		
Owner addr:	Not Reported		
Owner no:	12		
Parcel no:	140-03-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	03/24/2001 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	19101	Contract 1:	LAYNE CHRISTENSEN CO
Contract 2:	12030 E RIGGS RD CHANDLER AZ 85249		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/25/2001 00:00:00
Update use:	DBRANTLE	Date updat:	01/09/2002 00:00:00
Edit statu:	F	Well start:	03/19/2001 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	677289.390145		
Utm y:	4012757.98983		

**Z339  
ESE  
1/2 - 1 Mile  
Lower**

**NV WELLS      NV2000000033052**

Sequence #:	63496	Well log:	84321
App:	Not Reported	Notice of :	21241
Waiver no:	Not Reported	Date log r:	08/22/2001 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.027000427246	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S AIR FORCE		
Owner addr:	Not Reported		
Owner no:	11	Subdivisio:	Not Reported
Parcel no:	140-03-501-001	Block no:	Not Reported
Lot no:	Not Reported	Date cmplt:	D
Well finish:	03/24/2001 00:00:00	Depth seal:	0
Gravel pack:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	19101	Contract 1:	LAYNE CHRISTENSEN CO
Contract 2:	12030 E RIGGS RD CHANDLER AZ 85249		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/25/2001 00:00:00
Update use:	DBRANTLE	Date updat:	01/09/2002 00:00:00
Edit statu:	F	Well start:	03/19/2001 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	677289.390145		
Utm y:	4012757.98983		

**Z340  
ESE  
1/2 - 1 Mile  
Lower**

**NV WELLS      NV2000000033051**

Sequence #:	63495	Well log:	84320
App:	Not Reported	Notice of :	21241
Waiver no:	Not Reported	Date log r:	08/22/2001 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.027000427246	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S AIR FORCE		
Owner addr:	Not Reported		
Owner no:	10		
Parcel no:	140-03-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/24/2001 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	19101	Contract 1:	LAYNE CHRISTENSEN CO
Contract 2:	12030 E RIGGS RD CHANDLER AZ 85249		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/25/2001 00:00:00
Update use:	DBRANTLE	Date updat:	01/09/2002 00:00:00
Edit statu:	F	Well start:	03/19/2001 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	677289.390145		
Utm y:	4012757.98983		

**Z341  
ESE  
1/2 - 1 Mile  
Lower**

**NV WELLS      NV2000000033047**

Sequence #:	63491	Well log:	84316
App:	Not Reported	Notice of :	21241
Waiver no:	Not Reported	Date log r:	08/22/2001 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.027000427246	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S AIR FORCE		
Owner addr:	Not Reported		
Owner no:	06		
Parcel no:	140-03-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/24/2001 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	19101	Contract 1:	LAYNE CHRISTENSEN CO
Contract 2:	12030 E RIGGS RD CHANDLER AZ 85249		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/25/2001 00:00:00
Update use:	DBRANTLE	Date updat:	01/09/2002 00:00:00
Edit statu:	F	Well start:	03/19/2001 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	0	Gravel p 2:	0
Utm x:	677289.390145		
Utm y:	4012757.98983		

**Z342**  
**ESE**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000033043**

Sequence #:	63487	Well log:	84312
App:	Not Reported	Notice of :	21241
Waiver no:	Not Reported	Date log r:	08/22/2001 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.027000427246	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S AIR FORCE		
Owner addr:	Not Reported		
Owner no:	02		
Parcel no:	140-03-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/24/2001 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	19101	Contract 1:	LAYNE CHRISTENSEN CO
Contract 2:	12030 E RIGGS RD CHANDLER AZ 85249		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/25/2001 00:00:00
Update use:	DBRANTLE	Date updat:	01/09/2002 00:00:00
Edit statu:	F	Well start:	03/19/2001 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	677289.390145		
Utm y:	4012757.98983		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**Z343**  
**ESE**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000033042**

Sequence #:	63486	Well log:	84311
App:	Not Reported	Notice of :	21241
Waiver no:	Not Reported	Date log r:	08/22/2001 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.027000427246	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S AIR FORCE		
Owner addr:	Not Reported		
Owner no:	01		
Parcel no:	140-03-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/24/2001 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	19101	Contract 1:	LAYNE CHRISTENSEN CO
Contract 2:	12030 E RIGGS RD CHANDLER AZ 85249		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/25/2001 00:00:00
Update use:	DBRANTLE	Date updat:	01/09/2002 00:00:00
Edit statu:	F	Well start:	03/19/2001 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	677289.390145		
Utm y:	4012757.98983		

**Z344**  
**ESE**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000033041**

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	63482	Well log:	84307
App:	Not Reported	Notice of :	21239
Waiver no:	Not Reported	Date log r:	08/22/2001 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.027000427246	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S AIR FORCE		
Owner addr:	Not Reported		
Owner no:	06		
Parcel no:	140-03-101-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/23/2001 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	19101	Contract 1:	LAYNE CHRISTENSEN CO
Contract 2:	12030 E RIGGS RD CHANDLER AZ 85249		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/25/2001 00:00:00
Update use:	DBRANTLE	Date updat:	01/09/2002 00:00:00
Edit statu:	F	Well start:	03/19/2001 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	677289.390145		
Utm y:	4012757.98983		

**Z345  
ESE  
1/2 - 1 Mile  
Lower**

**NV WELLS      NV2000000033046**

Sequence #:	63490	Well log:	84315
App:	Not Reported	Notice of :	21241
Waiver no:	Not Reported	Date log r:	08/22/2001 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	03	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.027000427246	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S AIR FORCE		
Owner addr:	Not Reported		
Owner no:	05		
Parcel no:	140-03-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/24/2001 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	19101	Contract 1:	LAYNE CHRISTENSEN CO
Contract 2:	12030 E RIGGS RD CHANDLER AZ 85249		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/25/2001 00:00:00
Update use:	DBRANTLE	Date updat:	01/09/2002 00:00:00
Edit statu:	F	Well start:	03/19/2001 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	677289.390145		
Utm y:	4012757.98983		

**Z346  
ESE  
1/2 - 1 Mile  
Lower**

**NV WELLS      NV2000000033045**

Sequence #:	63489	Well log:	84314
App:	Not Reported	Notice of :	21241
Waiver no:	Not Reported	Date log r:	08/22/2001 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.027000427246	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S AIR FORCE		
Owner addr:	Not Reported		
Owner no:	04		
Parcel no:	140-03-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	03/24/2001 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0
Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	19101	Contract 1:	LAYNE CHRISTENSEN CO
Contract 2:	12030 E RIGGS RD CHANDLER AZ 85249		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/25/2001 00:00:00
Update use:	DBRANTLE	Date updat:	01/09/2002 00:00:00
Edit statu:	F	Well start:	03/19/2001 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	677289.390145		
Utm y:	4012757.98983		

**Z347  
ESE  
1/2 - 1 Mile  
Lower**

**NV WELLS      NV2000000033044**

Sequence #:	63488	Well log:	84313
App:	Not Reported	Notice of :	21241
Waiver no:	Not Reported	Date log r:	08/22/2001 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	03	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2453002929688
Longitude:	-115.027000427246	Lat long s:	NV003
Lat long acc:	M		
Owner current:	U S AIR FORCE		
Owner addr:	Not Reported		
Owner no:	03		
Parcel no:	140-03-501-001	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/24/2001 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	0	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	0
Casing diameter:	2		
Casing reduc:	0	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	19101	Contract 1:	LAYNE CHRISTENSEN CO
Contract 2:	12030 E RIGGS RD CHANDLER AZ 85249		
Contract 3:	0		
Driller li:	2021	Source age:	NV003
User id:	DBRANTLE	Date entry:	10/25/2001 00:00:00
Update use:	DBRANTLE	Date updat:	01/09/2002 00:00:00
Edit statu:	F	Well start:	03/19/2001 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	677289.390145		
Utm y:	4012757.98983		

**Y348  
NNW  
1/2 - 1 Mile  
Higher**

**NV WELLS      NV2000000035002**

Sequence #:	74945	Well log:	90197
App:	Not Reported	Notice of :	24503
Waiver no:	Not Reported	Date log r:	09/08/2003 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2599983215332
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	KINDER MORGAN ENERGY PARTNERS		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	123-33-701-004	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	08/26/2003 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	10
Depth drilled:	140	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	140
Casing diameter:	2.5		
Casing reduc:	0	Top perf:	70
Bottom perf:	140	Perf interval:	2
Static wl:	88		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	12852	Contract 1:	WATER DEVELOPMENT CORP (THE)
Contract 2:	1202 E KENTUCKY AVE WOODLAND CA 95776		
Contract 3:	0		
Driller li:	2182	Source age:	NV003
User id:	DBRANTLE	Date entry:	09/10/2003 00:00:00
Update use:	DBRANTLE	Date updat:	10/28/2003 00:00:00
Edit statu:	F	Well start:	08/22/2003 00:00:00
Gravel p 1:	67	Gravel p 2:	140
Utm x:	675608.886531		
Utm y:	4014357.81448		

**Y349  
NNW  
1/2 - 1 Mile  
Higher**

**NV WELLS      NV2000000035001**

Sequence #:	23794	Well log:	6566
App:	19446	Notice of :	0
Waiver no:	Not Reported	Date log r:	06/06/1962 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	P	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	DA
Legal quarter:	NE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2599983215332
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CALNEV PIPE LINE CO		
Owner addr:	P O BOX 1328 LAS VEGAS NV		
Owner no:	Not Reported	Subdivisio:	Not Reported
Parcel no:	Not Reported	Block no:	Not Reported
Lot no:	Not Reported	Date cmplt:	D
Well finish:	05/11/1962 00:00:00	Depth seal:	50
Gravel pack:	Y	Depth bedrock:	0
Depth drilled:	550	Depth case:	550
Aquifer depth:	Not Reported		
Casing diameter:	8	Top perf:	0
Casing reduc:	0	Perf interval:	0
Bottom perf:	0		
Static wl:	92		
Temperature:	0		
Yield:	40		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	Not Reported
Contract 2:	Not Reported		
Contract 3:	0		
Driller li:	212	Source age:	NV003
User id:	PCOOKE	Date entry:	08/15/1995 00:00:00
Update use:	DBRANTLE	Date updat:	05/17/2002 00:00:00
Edit statu:	F	Well start:	04/20/1962 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	50	Gravel p 2:	525
Utm x:	675608.886531		
Utm y:	4014357.81448		

**Y350  
NNW  
1/2 - 1 Mile  
Higher**

**NV WELLS    NV2000000035003**

Sequence #:	74946	Well log:	90198
App:	Not Reported	Notice of :	24503
Waiver no:	Not Reported	Date log r:	09/08/2003 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2599983215332
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	KINDER MORGAN ENERGY PARTNERS		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	123-33-701-004	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	08/21/2003 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	10
Depth drilled:	260	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	260
Casing diameter:	2.5		
Casing reduc:	0	Top perf:	80
Bottom perf:	260	Perf interval:	2
Static wl:	88		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	12852	Contract 1:	WATER DEVELOPMENT CORP (THE)
Contract 2:	1202 E KENTUCKY AVE WOODLAND CA 95776		
Contract 3:	0		
Driller li:	2182	Source age:	NV003
User id:	DBRANTLE	Date entry:	09/10/2003 00:00:00
Update use:	DBRANTLE	Date updat:	10/28/2003 00:00:00
Edit statu:	F	Well start:	08/08/2003 00:00:00
Gravel p 1:	15	Gravel p 2:	260
Utm x:	675608.886531		
Utm y:	4014357.81448		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**Y351**  
**NNW**  
**1/2 - 1 Mile**  
**Higher**

**NV WELLS      NV2000000035005**

Sequence #:	76878	Well log:	91483
App:	Not Reported	Notice of :	24504
Waiver no:	Not Reported	Date log r:	09/15/2003 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2599983215332
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	KINDER MORGAN ENERGY PARTNERS		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	123-33-701-004	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	09/05/2003 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	70
Depth drilled:	260	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	250
Casing diameter:	2.5		
Casing reduc:	0	Top perf:	80
Bottom perf:	250	Perf interval:	2
Static wl:	93.2		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	12852	Contract 1:	WATER DEVELOPMENT CORP (THE)
Contract 2:	1202 E KENTUCKY AVE WOODLAND CA 95776		
Contract 3:	0		
Driller li:	2182	Source age:	NV003
User id:	DBRANTLE	Date entry:	12/17/2003 00:00:00
Update use:	Not Reported	Date updat:	01/06/2004 00:00:00
Edit statu:	F	Well start:	08/24/2003 00:00:00
Gravel p 1:	76	Gravel p 2:	237
Utm x:	675608.886531		
Utm y:	4014357.81448		

**Y352**  
**NNW**  
**1/2 - 1 Mile**  
**Higher**

**NV WELLS      NV2000000035004**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	74947	Well log:	90199
App:	Not Reported	Notice of :	24503
Waiver no:	Not Reported	Date log r:	09/08/2003 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	AA
Legal quarter:	NE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2599983215332
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	M		
Owner current:	KINDER MORGAN ENERGY PARTNERS		
Owner addr:	5049 N SLOAN LN		
Owner no:	Not Reported		
Parcel no:	123-33-701-004	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	08/08/2003 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	10
Depth drilled:	206	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	206
Casing diameter:	2.5		
Casing reduc:	0	Top perf:	75
Bottom perf:	205	Perf interval:	3
Static wl:	85		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	12852	Contract 1:	WATER DEVELOPMENT CORP (THE)
Contract 2:	1202 E KENTUCKY AVE WOODLAND CA 95776		
Contract 3:	0		
Driller li:	2182	Source age:	NV003
User id:	DBRANTLE	Date entry:	09/10/2003 00:00:00
Update use:	DBRANTLE	Date updat:	10/28/2003 00:00:00
Edit statu:	F	Well start:	08/05/2003 00:00:00
Gravel p 1:	72	Gravel p 2:	206
Utm x:	675608.886531		
Utm y:	4014357.81448		

**353**  
**SE**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000032084**

Sequence #:	17126	Well log:	41389
App:	Not Reported	Notice of :	0
Waiver no:	MO-2231	Date log r:	06/01/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	03	Sec quarter:	DB
Legal quarter:	NW SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2378005981445
Longitude:	-115.031997680664	Lat long s:	NV003
Lat long acc:	T		
Owner current:	NELLIS AFB		
Owner addr:	Not Reported		
Owner no:	MW-081		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/09/1993 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	47
Depth drilled:	86	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	85
Casing diameter:	4		
Casing reduc:	0	Top perf:	55
Bottom perf:	85	Perf interval:	1
Static wl:	65		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	F
Qual lith :	F		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	H-F DRILLING INC
Contract 2:	1150 W TRENTON AVE ORANGE CA		
Contract 3:	0		
Driller li:	1747	Source age:	NV003
User id:	CGALEJAN	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	10/19/1998 00:00:00
Edit statu:	F	Well start:	03/08/1993 00:00:00
Gravel p 1:	50	Gravel p 2:	86
Utm x:	676881.927801		
Utm y:	4011917.33489		

**354**  
**SSW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS USGS3099076**

Agency cd:	USGS	Site no:	361410115025701
Site name:	212 S20 E62 04DCA 1 USAF Nellis 3		
Latitude:	361410		
Longitude:	1150257	Dec lat:	36.23608178
Dec lon:	-115.05000122	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	32
State:	32	County:	003
Country:	US	Land net:	NESWSES04 T20S R62E M
Location map:	LAS VEGAS NE, NV	Map scale:	24000
Altitude:	1865.		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Las Vegas Wash. Nevada. Area = 1860 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	PST



# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	F
Qual lith :	F		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	DON WILSON
Contract 2:	4670 S POLARIS LV NV		
Contract 3:	0		
Driller li:	1589	Source age:	NV003
User id:	KLOHAIR	Date entry:	05/18/2000 00:00:00
Update use:	dsdavis	Date updat:	12/31/1996 00:00:00
Edit statu:	F	Well start:	12/19/1991 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	675209.558497		
Utm y:	4014349.76281		

**AA356  
NNW  
1/2 - 1 Mile  
Higher**

**NV WELLS    NV2000000034999**

Sequence #:	44991	Well log:	66428
App:	Not Reported	Notice of :	9182
Waiver no:	Not Reported	Date log r:	04/29/1991 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	X	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	AB
Legal quarter:	NW NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2599983215332
Longitude:	-115.050003051758	Lat long s:	NV003
Lat long acc:	T		
Owner current:	CITY OF LAS VEGAS		
Owner addr:	RANGE RD		
Owner no:	Not Reported	Subdivisio:	Not Reported
Parcel no:	Not Reported	Block no:	Not Reported
Lot no:	Not Reported	Date cmplt:	D
Well finish:	04/18/1991 00:00:00	Depth seal:	0
Gravel pack:	N	Depth bedrock:	0
Depth drilled:	135	Depth case:	0
Aquifer depth:	Not Reported		
Casing diameter:	0	Top perf:	0
Casing reduc:	0	Perf interval:	0
Bottom perf:	0		
Static wl:	110		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	DON WILSON
Contract 2:	4670 S POLARIS LAS VEGAS NV		
Contract 3:	0		
Driller li:	1589	Source age:	NV003
User id:	KCOON	Date entry:	07/03/1997 00:00:00
Update use:	Not Reported	Date updat:	11/10/1997 00:00:00
Edit statu:	F	Well start:	04/18/1991 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	0	Gravel p 2:	0
Utm x:	675209.558497		
Utm y:	4014349.76281		

**AA357  
NNW  
1/2 - 1 Mile  
Higher**

**NV WELLS    NV2000000035000**

Sequence #:	45028	Well log:	66465
App:	Not Reported	Notice of :	0
Waiver no:	MO-2208	Date log r:	01/25/1993 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	H
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E
Section:	33	Sec quarter:	AB
Legal quarter:	NW NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2599983215332
Longitude:	-115.050003051758	Lat long s:	NV003
Lat long acc:	T		
Owner current:	NELLIS AFB		
Owner addr:	Not Reported		
Owner no:	MW-88		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	11/20/1992 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	100
Depth drilled:	145	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	143
Casing diameter:	2.5		
Casing reduc:	0	Top perf:	113
Bottom perf:	143	Perf interval:	1
Static wl:	123		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	H-F DRILLING INC
Contract 2:	1456 B S MANHATTAN FULLERTON CA		
Contract 3:	0		
Driller li:	1747	Source age:	NV003
User id:	KCOON	Date entry:	07/08/1997 00:00:00
Update use:	Not Reported	Date updat:	02/02/1998 00:00:00
Edit statu:	F	Well start:	11/19/1992 00:00:00
Gravel p 1:	108	Gravel p 2:	145
Utm x:	675209.558497		
Utm y:	4014349.76281		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**AB358**  
**SSW**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000031847**

Sequence #:	45207	Well log:	66644
App:	Not Reported	Notice of :	3085
Waiver no:	MO-2458A	Date log r:	05/31/1995 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	DD
Legal quarter:	SE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2341995239258
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S AIR FORCE		
Owner addr:	NELLIS AFB		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/08/1995 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	23
Depth drilled:	43	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	42
Casing diameter:	4.5		
Casing reduc:	0	Top perf:	27
Bottom perf:	42	Perf interval:	1
Static wl:	35		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	35639	Contract 1:	B L WEBER GROUP INC (THE)
Contract 2:	16825 S WEBER DR CHANDLER AZ 85226-4112		
Contract 3:	0		
Driller li:	1910	Source age:	NV003
User id:	KCOON	Date entry:	07/11/1997 00:00:00
Update use:	dsdavis	Date updat:	04/20/1998 00:00:00
Edit statu:	F	Well start:	03/08/1995 00:00:00
Gravel p 1:	26	Gravel p 2:	43
Utm x:	675666.718812		
Utm y:	4011491.9669		

**AB359**  
**SSW**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000031848**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	45208	Well log:	66645
App:	Not Reported	Notice of :	3085
Waiver no:	MO-2458A	Date log r:	05/31/1995 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	DD
Legal quarter:	SE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2341995239258
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S AIR FORCE		
Owner addr:	NELLIS AFB		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/08/1995 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	23
Depth drilled:	42	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	42
Casing diameter:	4.5		
Casing reduc:	0	Top perf:	27
Bottom perf:	42	Perf interval:	1
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	35639	Contract 1:	B L WEBER GROUP INC (THE)
Contract 2:	16825 S WEBER DR CHANDLER AZ 85226-4112		
Contract 3:	0		
Driller li:	1910	Source age:	NV003
User id:	KCOON	Date entry:	07/11/1997 00:00:00
Update use:	dsdavis	Date updat:	04/20/1998 00:00:00
Edit statu:	F	Well start:	03/08/1995 00:00:00
Gravel p 1:	26	Gravel p 2:	42
Utm x:	675666.718812		
Utm y:	4011491.9669		

**AB360  
SSW  
1/2 - 1 Mile  
Lower**

**NV WELLS      NV2000000031846**

Sequence #:	45206	Well log:	66643
App:	Not Reported	Notice of :	3085
Waiver no:	MO-2458A	Date log r:	05/31/1995 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	04	Sec quarter:	DD
Legal quarter:	SE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2341995239258
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S AIR FORCE		
Owner addr:	NELLIS AFB		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/09/1995 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	31
Depth drilled:	42	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	40
Casing diameter:	2.5		
Casing reduc:	0	Top perf:	35
Bottom perf:	40	Perf interval:	1
Static wl:	37		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	35639	Contract 1:	B L WEBER GROUP INC (THE)
Contract 2:	16825 S WEBER DR CHANDLER AZ 85226-4112		
Contract 3:	0		
Driller li:	1910	Source age:	NV003
User id:	KCOON	Date entry:	07/11/1997 00:00:00
Update use:	dsdavis	Date updat:	04/20/1998 00:00:00
Edit statu:	F	Well start:	03/09/1995 00:00:00
Gravel p 1:	34	Gravel p 2:	42
Utm x:	675666.718812		
Utm y:	4011491.9669		

**AB361**  
**SSW**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000031844**

Sequence #:	45144	Well log:	66581
App:	Not Reported	Notice of :	3085
Waiver no:	MO-2458A	Date log r:	05/31/1995 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	DD
Legal quarter:	SE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2341995239258
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S AIR FORCE		
Owner addr:	NELLIS AFB		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	03/10/1995 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	45
Depth drilled:	57	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	55
Casing diameter:	2.5		
Casing reduc:	0	Top perf:	50
Bottom perf:	55	Perf interval:	1
Static wl:	50		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	35639	Contract 1:	B L WEBER GROUP INC (THE)
Contract 2:	16825 S WEBER DR CHANDLER AZ 85226-4112		
Contract 3:	0		
Driller li:	1910	Source age:	NV003
User id:	KCOON	Date entry:	07/09/1997 00:00:00
Update use:	dsdavis	Date updat:	04/20/1998 00:00:00
Edit statu:	F	Well start:	03/10/1995 00:00:00
Gravel p 1:	48	Gravel p 2:	57
Utm x:	675666.718812		
Utm y:	4011491.9669		

**AB362  
SSW  
1/2 - 1 Mile  
Lower**

**NV WELLS      NV2000000031845**

Sequence #:	45146	Well log:	66583
App:	Not Reported	Notice of :	3085
Waiver no:	MO-2458A	Date log r:	05/31/1995 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	DD
Legal quarter:	SE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2341995239258
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S AIR FORCE		
Owner addr:	NELLIS AFB		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	03/09/1995 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	40

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	57	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	55
Casing diameter:	2.5		
Casing reduc:	0	Top perf:	45
Bottom perf:	55	Perf interval:	1
Static wl:	50		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	35639	Contract 1:	B L WEBER GROUP INC (THE)
Contract 2:	16825 S WEBER DR CHANDLER AZ 85226-4112		
Contract 3:	0		
Driller li:	1910	Source age:	NV003
User id:	KCOON	Date entry:	07/09/1997 00:00:00
Update use:	dsdavis	Date updat:	04/20/1998 00:00:00
Edit statu:	F	Well start:	03/09/1995 00:00:00
Gravel p 1:	43	Gravel p 2:	57
Utm x:	675666.718812		
Utm y:	4011491.9669		

**AB363**  
**SSW**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000031849**

Sequence #:	45209	Well log:	66646
App:	Not Reported	Notice of :	3085
Waiver no:	MO-2458A	Date log r:	05/31/1995 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	DD
Legal quarter:	SE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2341995239258
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S AIR FORCE		
Owner addr:	NELLIS AFB		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	02/23/1995 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	17
Depth drilled:	42	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	40
Casing diameter:	4.5		
Casing reduc:	0	Top perf:	20
Bottom perf:	40	Perf interval:	1
Static wl:	35		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	35639	Contract 1:	B L WEBER GROUP INC (THE)
Contract 2:	16825 S WEBER DR CHANDLER AZ 85226-4112		
Contract 3:	0		
Driller li:	1910	Source age:	NV003
User id:	KCOON	Date entry:	07/11/1997 00:00:00
Update use:	dsdavis	Date updat:	04/20/1998 00:00:00
Edit statu:	F	Well start:	02/23/1995 00:00:00
Gravel p 1:	19	Gravel p 2:	42
Utm x:	675666.718812		
Utm y:	4011491.9669		

**AB364**  
**SSW**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000031853**

Sequence #:	47242	Well log:	68674
App:	Not Reported	Notice of :	11384
Waiver no:	MO-2458	Date log r:	12/27/1994 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	DD
Legal quarter:	SE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2341995239258
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	DAMES & MOORE		
Owner addr:	NELLIS AFB		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	08/29/1994 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	25
Depth drilled:	60	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	60
Casing diameter:	4.5		
Casing reduc:	0	Top perf:	30
Bottom perf:	60	Perf interval:	1
Static wl:	51		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	35639	Contract 1:	B L WEBER GROUP INC (THE)
Contract 2:	16825 S WEBER DR CHANDLER AZ 85226-4112		
Contract 3:	0		
Driller li:	1910	Source age:	NV003
User id:	DBRANTLE	Date entry:	11/12/1997 00:00:00
Update use:	Not Reported	Date updat:	04/01/1998 00:00:00
Edit statu:	F	Well start:	08/29/1994 00:00:00

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1:	28	Gravel p 2:	60
Utm x:	675666.718812		
Utm y:	4011491.9669		

**AB365**  
**SSW**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS    NV2000000031854**

Sequence #:	47243	Well log:	68675
App:	Not Reported	Notice of :	11383
Waiver no:	MO-2458	Date log r:	12/27/1994 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	DD
Legal quarter:	SE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2341995239258
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	DAMES & MOORE		
Owner addr:	NELLIS AFB		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	08/26/1994 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	25
Depth drilled:	65	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	65
Casing diameter:	4.5		
Casing reduc:	0	Top perf:	30
Bottom perf:	60	Perf interval:	1
Static wl:	50		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	35639	Contract 1:	B L WEBER GROUP INC (THE)
Contract 2:	16825 S WEBER DR CHANDLER AZ 85226-4112		
Contract 3:	0		
Driller li:	1910	Source age:	NV003
User id:	DBRANTLE	Date entry:	11/12/1997 00:00:00
Update use:	Not Reported	Date updat:	04/01/1998 00:00:00
Edit statu:	F	Well start:	08/24/1994 00:00:00
Gravel p 1:	27	Gravel p 2:	65
Utm x:	675666.718812		
Utm y:	4011491.9669		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**AB366**  
**SSW**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000031852**

Sequence #:	45212	Well log:	66649
App:	Not Reported	Notice of :	3085
Waiver no:	MO-2458A	Date log r:	05/31/1995 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	DD
Legal quarter:	SE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2341995239258
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S AIR FORCE		
Owner addr:	NELLIS AFB		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	02/23/1995 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	31
Depth drilled:	55	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	55
Casing diameter:	2.5		
Casing reduc:	0	Top perf:	35
Bottom perf:	55	Perf interval:	1
Static wl:	40		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	35639	Contract 1:	B L WEBER GROUP INC (THE)
Contract 2:	16825 S WEBER DR CHANDLER AZ 85226-4112		
Contract 3:	0		
Driller li:	1910	Source age:	NV003
User id:	KCOON	Date entry:	07/11/1997 00:00:00
Update use:	dsdavis	Date updat:	04/20/1998 00:00:00
Edit statu:	F	Well start:	02/22/1995 00:00:00
Gravel p 1:	34	Gravel p 2:	55
Utm x:	675666.718812		
Utm y:	4011491.9669		

**AB367**  
**SSW**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000031850**

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sequence #:	45210	Well log:	66647
App:	Not Reported	Notice of :	3085
Waiver no:	MO-2458A	Date log r:	05/31/1995 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	DD
Legal quarter:	SE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2341995239258
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S AIR FORCE		
Owner addr:	NELLIS AFB		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	02/24/1995 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	17
Depth drilled:	40	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	40
Casing diameter:	4.5		
Casing reduc:	0	Top perf:	20
Bottom perf:	40	Perf interval:	1
Static wl:	35		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	35639	Contract 1:	B L WEBER GROUP INC (THE)
Contract 2:	16825 S WEBER DR CHANDLER AZ 85226-4112		
Contract 3:	0		
Driller li:	1910	Source age:	NV003
User id:	KCOON	Date entry:	07/11/1997 00:00:00
Update use:	dsdavis	Date updat:	04/20/1998 00:00:00
Edit statu:	F	Well start:	02/23/1995 00:00:00
Gravel p 1:	19	Gravel p 2:	40
Utm x:	675666.718812		
Utm y:	4011491.9669		

**AB368**  
**SSW**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000031851**

Sequence #:	45211	Well log:	66648
App:	Not Reported	Notice of :	3085
Waiver no:	MO-2458A	Date log r:	05/31/1995 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	G	Drilling method:	B
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	04	Sec quarter:	DD
Legal quarter:	SE SE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2341995239258
Longitude:	-115.044998168945	Lat long s:	NV003
Lat long acc:	T		
Owner current:	U S AIR FORCE		
Owner addr:	NELLIS AFB		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	02/22/1995 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	31
Depth drilled:	55	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	55
Casing diameter:	2.5		
Casing reduc:	0	Top perf:	35
Bottom perf:	55	Perf interval:	1
Static wl:	40		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	35639	Contract 1:	B L WEBER GROUP INC (THE)
Contract 2:	16825 S WEBER DR CHANDLER AZ 85226-4112		
Contract 3:	0		
Driller li:	1910	Source age:	NV003
User id:	KCOON	Date entry:	07/11/1997 00:00:00
Update use:	dsdavis	Date updat:	04/20/1998 00:00:00
Edit statu:	F	Well start:	02/22/1995 00:00:00
Gravel p 1:	34	Gravel p 2:	55
Utm x:	675666.718812		
Utm y:	4011491.9669		

**AC369**  
**SW**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000032137**

Sequence #:	23966	Well log:	22726
App:	38421	Notice of :	0
Waiver no:	Not Reported	Date log r:	04/27/1981 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	P	Drilling method:	A
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	CA
Legal quarter:	NE SW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2386016845703
Longitude:	-115.055000305176	Lat long s:	NV003
Lat long acc:	G		
Owner current:	FANTAUZZO, DELORES		
Owner addr:	4730 LAS VEGAS BLVD LV NV		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well finish:	03/10/1981 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	55
Depth drilled:	290	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	290
Casing diameter:	8.62		
Casing reduc:	0	Top perf:	150
Bottom perf:	290	Perf interval:	1
Static wl:	92		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	10062	Contract 1:	DIMICK DRILLING
Contract 2:	5360 N BONITA VISTA ST LAS VEGAS NV 89129		
Contract 3:	0		
Driller li:	552	Source age:	NV003
User id:	PCOOKE	Date entry:	08/23/1995 00:00:00
Update use:	dsdavis	Date updat:	07/15/1996 00:00:00
Edit statu:	F	Well start:	03/09/1981 00:00:00
Gravel p 1:	55	Gravel p 2:	290
Utm x:	674834.170796		
Utm y:	4011906.80165		

**AC370  
SW  
1/2 - 1 Mile  
Lower**

**NV WELLS      NV2000000032136**

Sequence #:	24094	Well log:	2092
App:	14307	Notice of :	0
Waiver no:	Not Reported	Date log r:	11/17/1952 00:00:00
Date log 1:	D	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	P	Drilling method:	C
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	CA
Legal quarter:	NE SW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.238899230957
Longitude:	-115.055000305176	Lat long s:	NV003
Lat long acc:	G		
Owner current:	HOLSTEIN & SONS		
Owner addr:	166 E 17TH ST COSTA MESA CA		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	09/23/1952 00:00:00	Date cmplt:	D
Gravel pack:	Not Reported	Depth seal:	0

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Depth drilled:	401	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	401
Casing diameter:	10		
Casing reduc:	1	Top perf:	250
Bottom perf:	401	Perf interval:	1
Static wl:	80		
Temperature:	0		
Yield:	80		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	Not Reported
Contract 2:	Not Reported		
Contract 3:	0		
Driller li:	45	Source age:	NV003
User id:	PCOOKE	Date entry:	08/29/1995 00:00:00
Update use:	dsdavis	Date updat:	03/23/1998 00:00:00
Edit statu:	F	Well start:	09/12/1952 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	674834.170796		
Utm y:	4011906.80165		

**AC371  
SW  
1/2 - 1 Mile  
Lower**

**NV WELLS      NV2000000032139**

Sequence #:	32186	Well log:	54396
App:	Not Reported	Notice of :	0
Waiver no:	Not Reported	Date log r:	06/11/1990 00:00:00
Date log 1:	Not Reported	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	H	Drilling method:	C
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	CA
Legal quarter:	NE SW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2380981445313
Longitude:	-115.054000854492	Lat long s:	NV003
Lat long acc:	T		
Owner current:	OTTE, GEORGE J		
Owner addr:	5309 CRAIG RD		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	11/19/1960 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	50
Depth drilled:	200	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	200
Casing diameter:	8		
Casing reduc:	0	Top perf:	120
Bottom perf:	200	Perf interval:	1
Static wl:	78		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	Not Reported
Contract 2:	Not Reported		
Contract 3:	0		
Driller li:	212	Source age:	NV003
User id:	DBRANTLE	Date entry:	09/26/1996 00:00:00
Update use:	Not Reported	Date updat:	10/18/1996 00:00:00
Edit statu:	F	Well start:	11/14/1960 00:00:00
Gravel p 1:	50	Gravel p 2:	200
Utm x:	674834.170796		
Utm y:	4011906.80165		

**AC372**  
**SW**  
**1/2 - 1 Mile**  
**Lower**

**NV WELLS      NV2000000032138**

Sequence #:	23522	Well log:	47772
App:	38421	Notice of :	12954
Waiver no:	Not Reported	Date log r:	06/16/1995 00:00:00
Date log 1:	D	Site type:	E
Work type:	P		
Work type 2:	Not Reported		
Proposed use:	P	Drilling method:	U
Sc:	32003	Ha:	212
Town:	S20	Legal town:	20S
Range:	E62	Legal range:	62E
Section:	04	Sec quarter:	CA
Legal quarter:	NE SW	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2380981445313
Longitude:	-115.054000854492	Lat long s:	NV003
Lat long acc:	T		
Owner current:	RIDDLESPURGER, MELVIN		
Owner addr:	4340 N LAS VEGAS BLVD		
Owner no:	Not Reported	Subdivisio:	Not Reported
Parcel no:	140-04-302-008	Block no:	Not Reported
Lot no:	Not Reported	Date cmplt:	D
Well finish:	05/30/1995 00:00:00	Depth seal:	0
Gravel pack:	Not Reported	Depth bedrock:	0
Depth drilled:	0	Depth case:	0
Aquifer depth:	Not Reported		
Casing diameter:	0	Top perf:	0
Casing reduc:	0	Perf interval:	0
Bottom perf:	0		
Static wl:	0		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	10062	Contract 1:	DIMICK DRILLING
Contract 2:	5360 N BONITA VISTA ST LAS VEGAS NV 89129		
Contract 3:	552		
Driller li:	552	Source age:	NV003
User id:	DBRANTLE	Date entry:	07/11/1995 00:00:00
Update use:	DBRANTLE	Date updat:	04/28/2000 00:00:00
Edit statu:	F	Well start:	05/30/1995 00:00:00

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Gravel p 1: 0  
Utm x: 674834.170796  
Utm y: 4011906.80165

Gravel p 2: 0

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

Federal EPA Radon Zone for CLARK County: 3

Note: Zone 1 indoor average level > 4 pCi/L.  
 : Zone 2 indoor average level  $\geq$  2 pCi/L and  $\leq$  4 pCi/L.  
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 89115

Number of sites tested: 10

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.400 pCi/L	80%	20%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### **USGS 7.5' Digital Elevation Model (DEM)**

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

### **Scanned Digital USGS 7.5' Topographic Map (DRG)**

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## HYDROLOGIC INFORMATION

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

## HYDROGEOLOGIC INFORMATION

### **AQUIFLOW<sup>R</sup> Information System**

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

### **Geologic Age and Rock Stratigraphic Unit**

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

### **STATSGO: State Soil Geographic Database**

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

### **SSURGO: Soil Survey Geographic Database**

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### **PWS:** Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

#### **PWS ENF:** Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

#### **USGS Water Wells:** USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

### STATE RECORDS

#### **Nevada Well Log Database**

Source: Nevada Division of Water Resources

Telephone: 775-687-4380

## OTHER STATE DATABASE INFORMATION

### RADON

#### **Area Radon Information**

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

#### **EPA Radon Zones**

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

### OTHER

#### **Airport Landing Facilities:** Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

#### **Epicenters:** World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### STREET AND ADDRESS INFORMATION

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*APPENDIX B*  
*MAPS AND FIGURES*





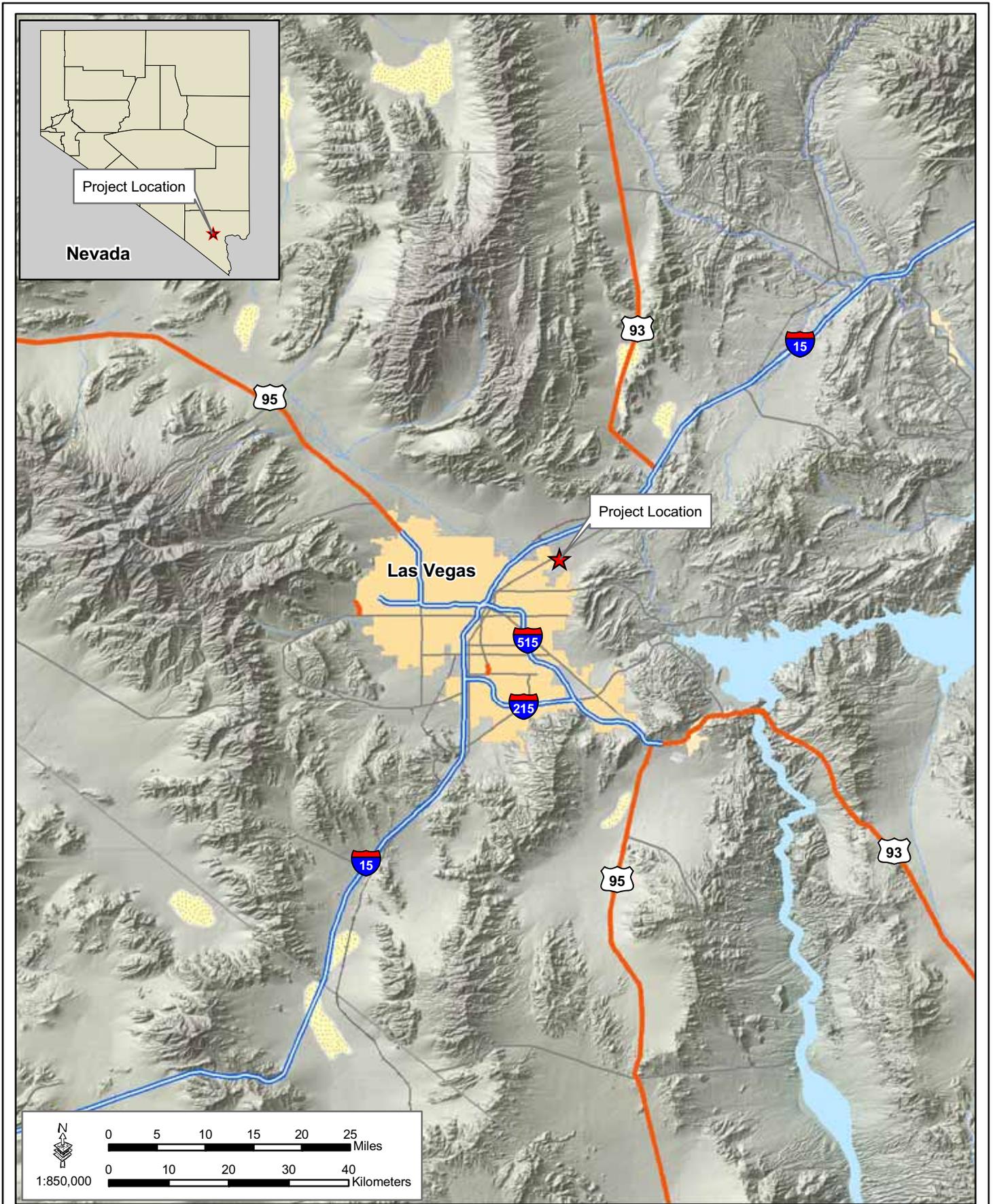


Figure 1: Vicinity Map

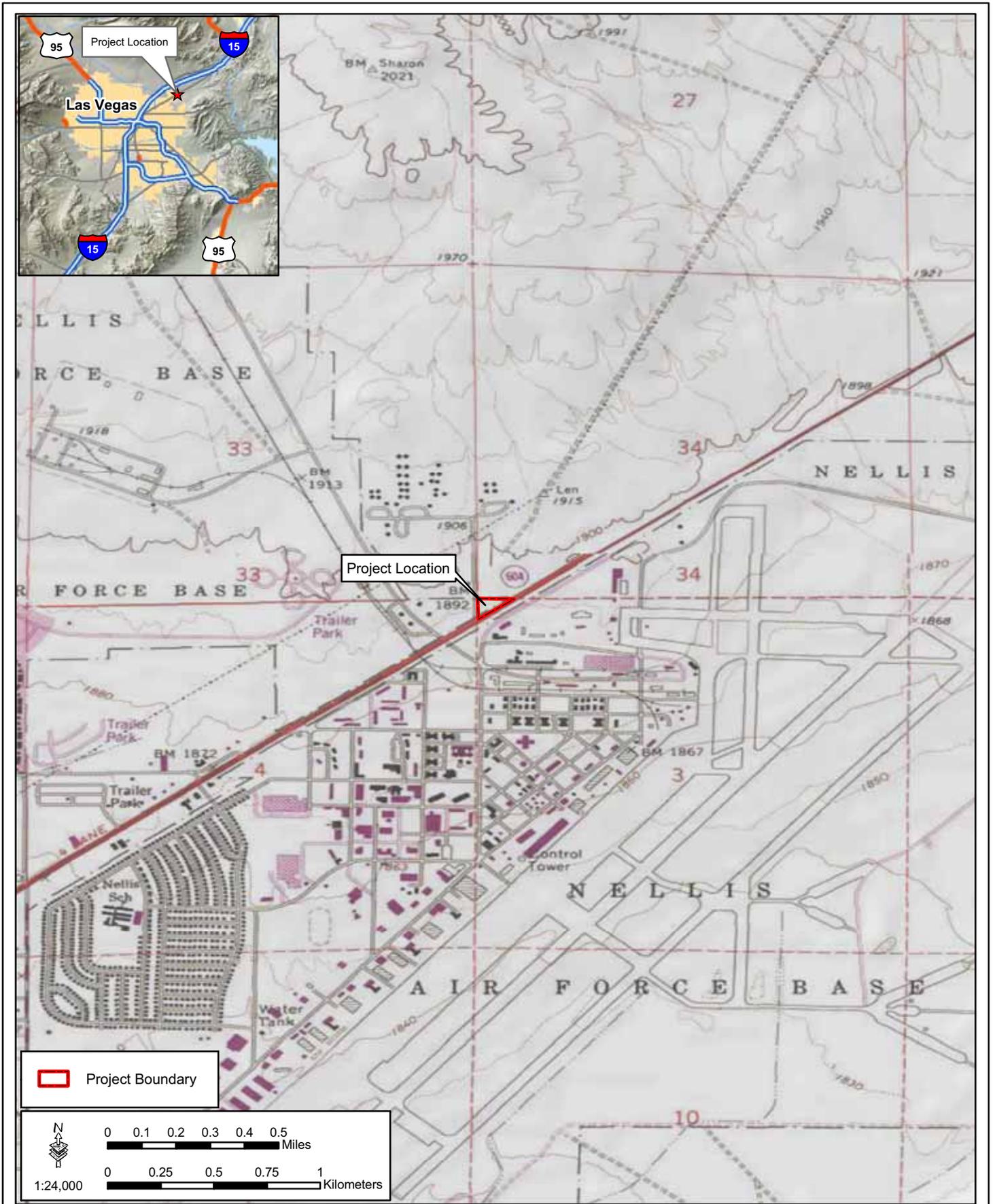
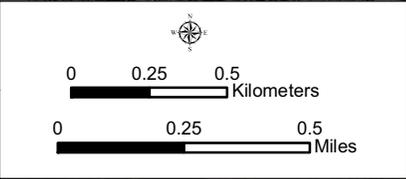
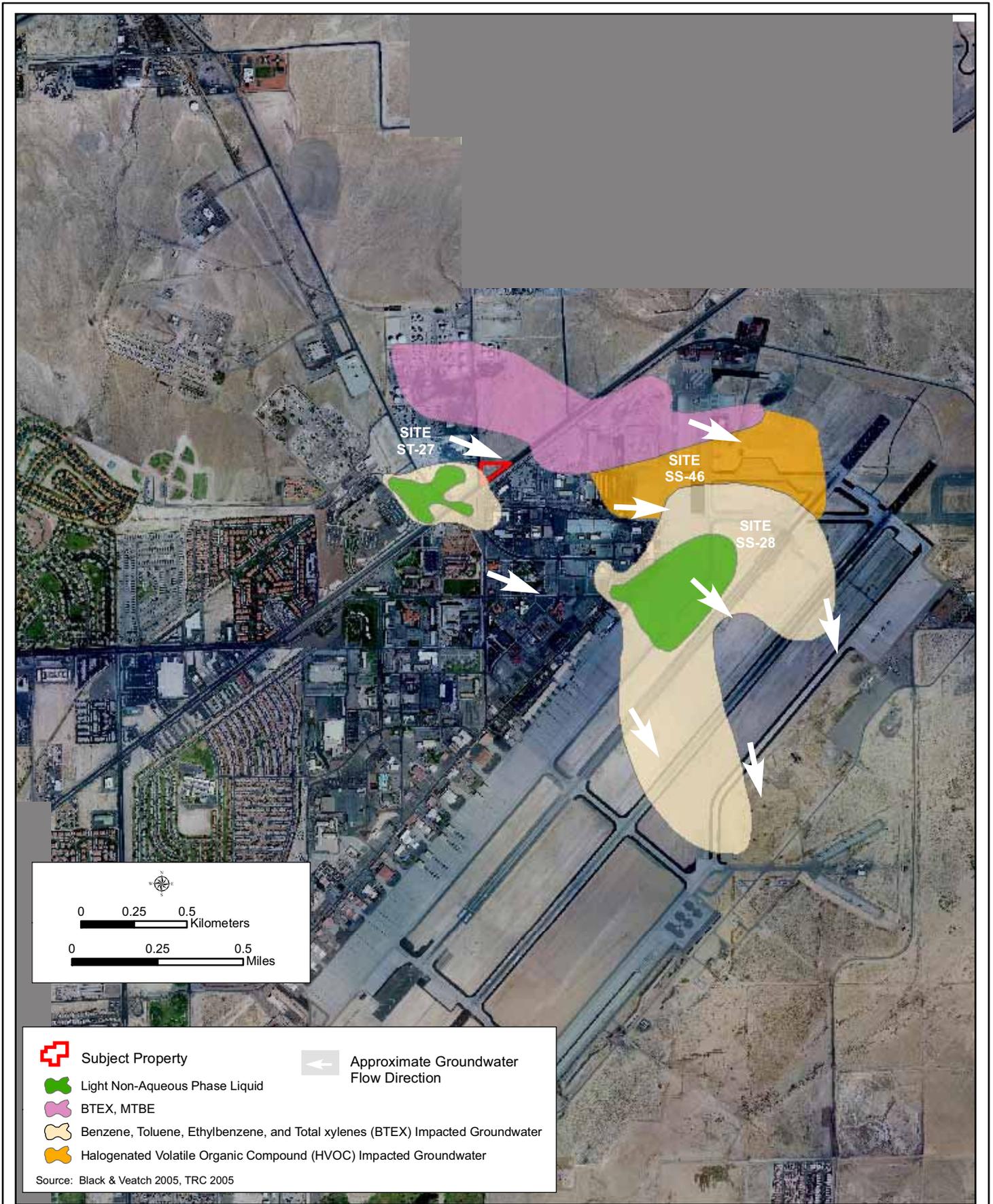


Figure 2: Project Location Map



-  Subject Property
  -  Light Non-Aqueous Phase Liquid
  -  BTEX, MTBE
  -  Benzene, Toluene, Ethylbenzene, and Total xylenes (BTEX) Impacted Groundwater
  -  Halogenated Volatile Organic Compound (HVOC) Impacted Groundwater
  -  Approximate Groundwater Flow Direction
- Source: Black & Veatch 2005, TRC 2005

Figure 3: ERP Sites and Contamination Plumes

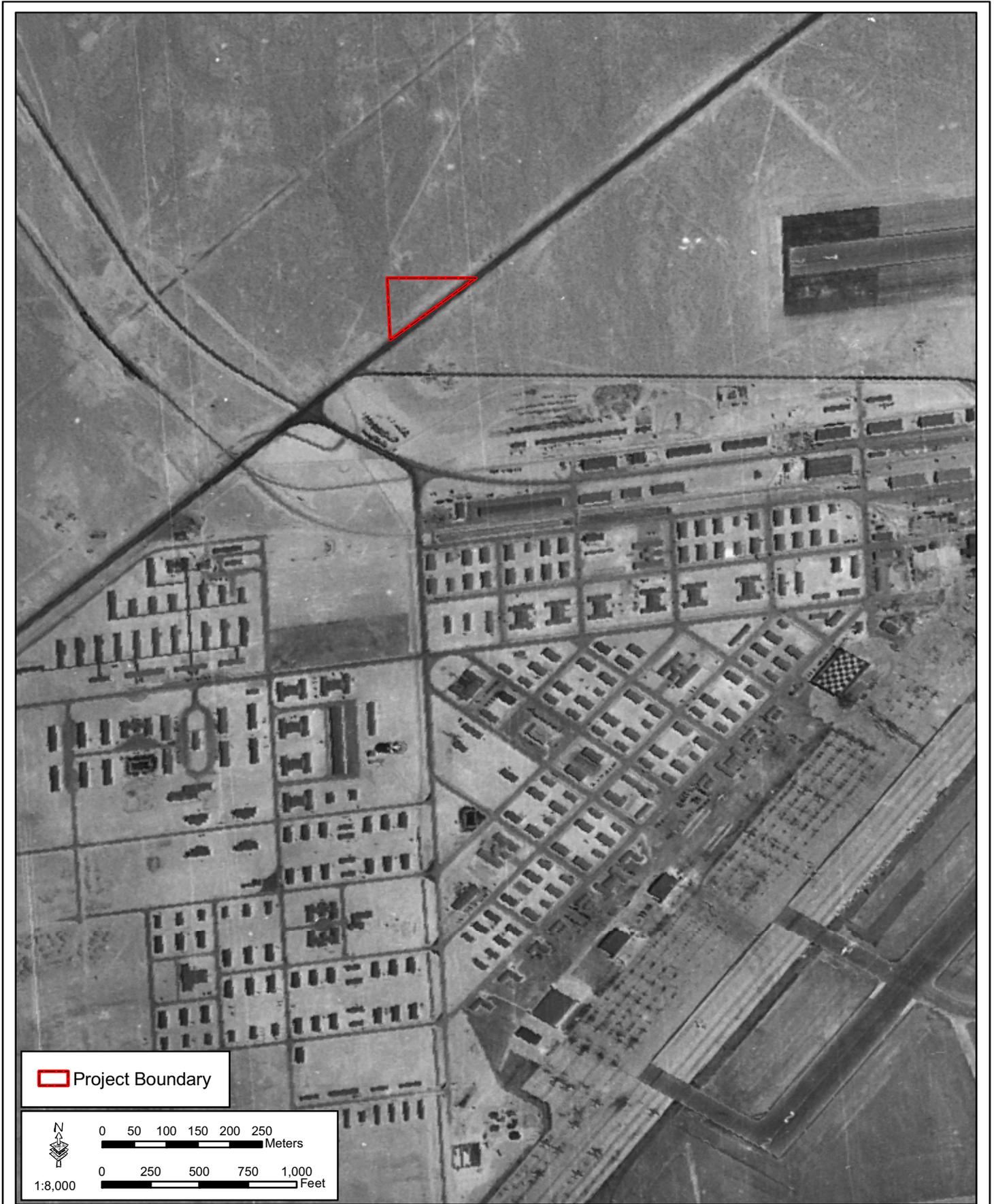


*APPENDIX C*  
*TOPOGRAPHIC QUADRANGLES/AERIAL MAPS AND SITE PHOTOGRAPHS*

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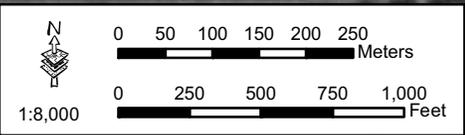




1943 Aerial Photography



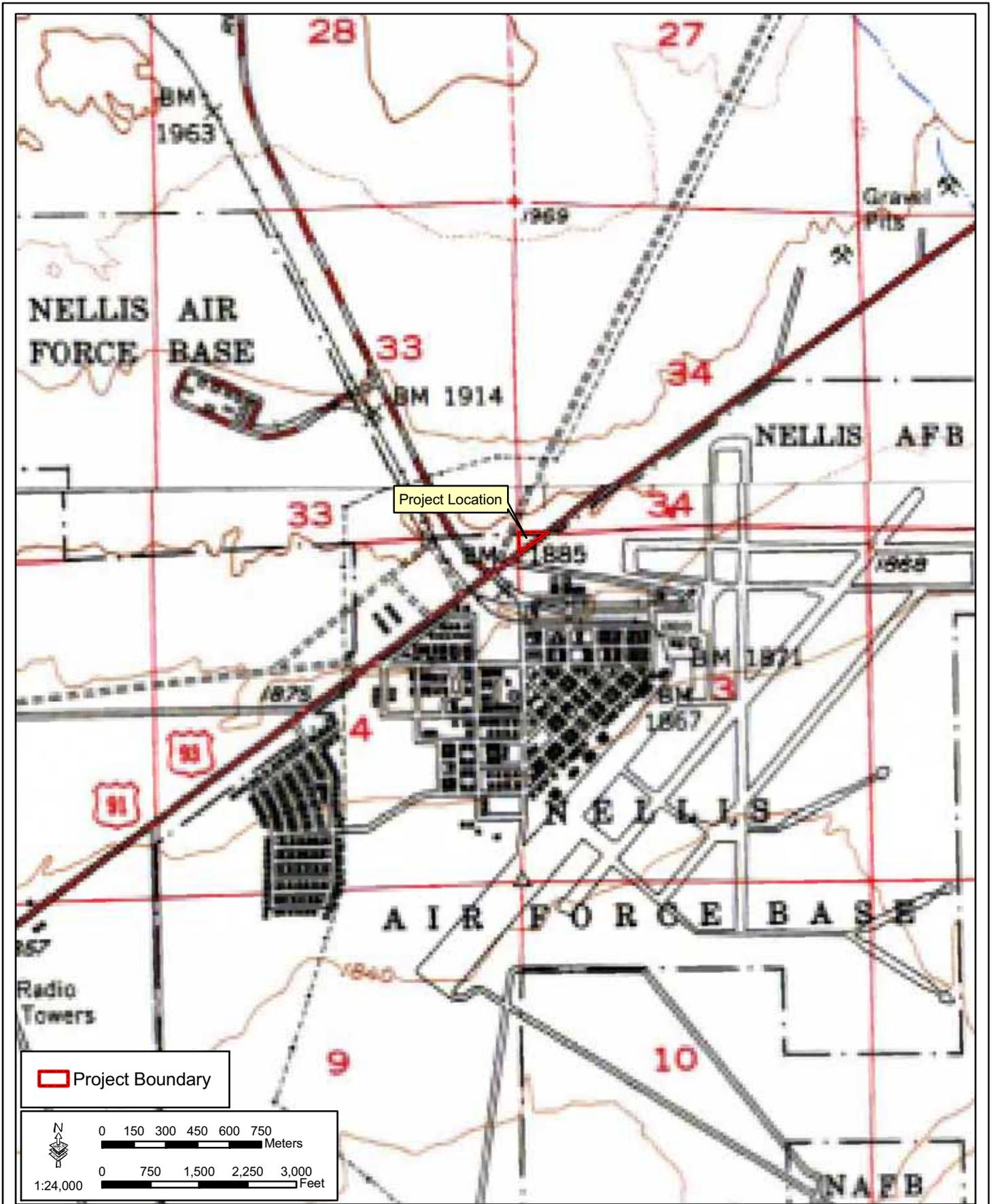
 Project Boundary



1951 Aerial Photography

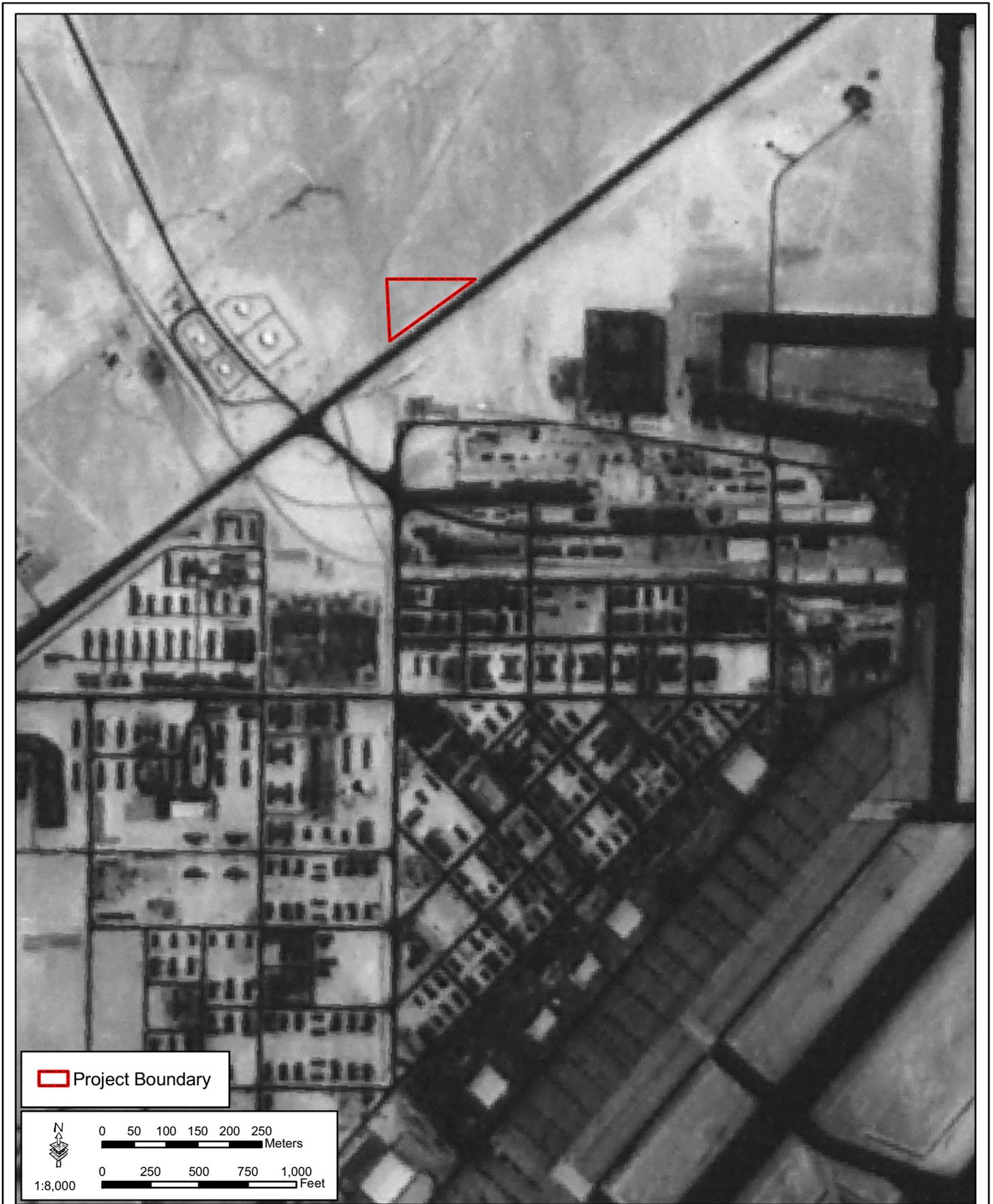


October 2007



1952 Las Vegas and 1952 Gass Peak USGS Quadrangles

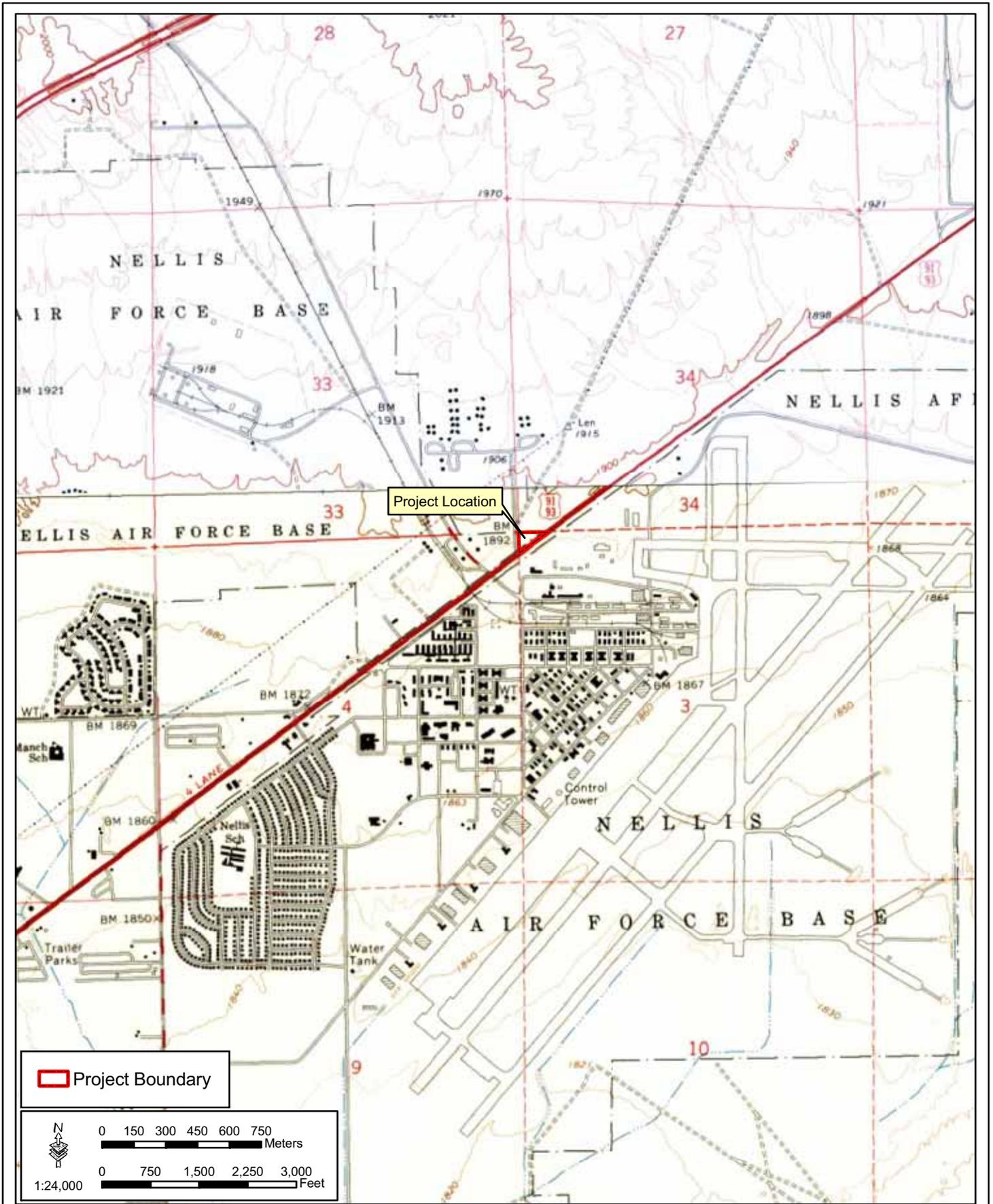




1958 Aerial Photography



1960 Aerial Photography



1967 Las Vegas NE and 1974 Valley USGS Quadrangles





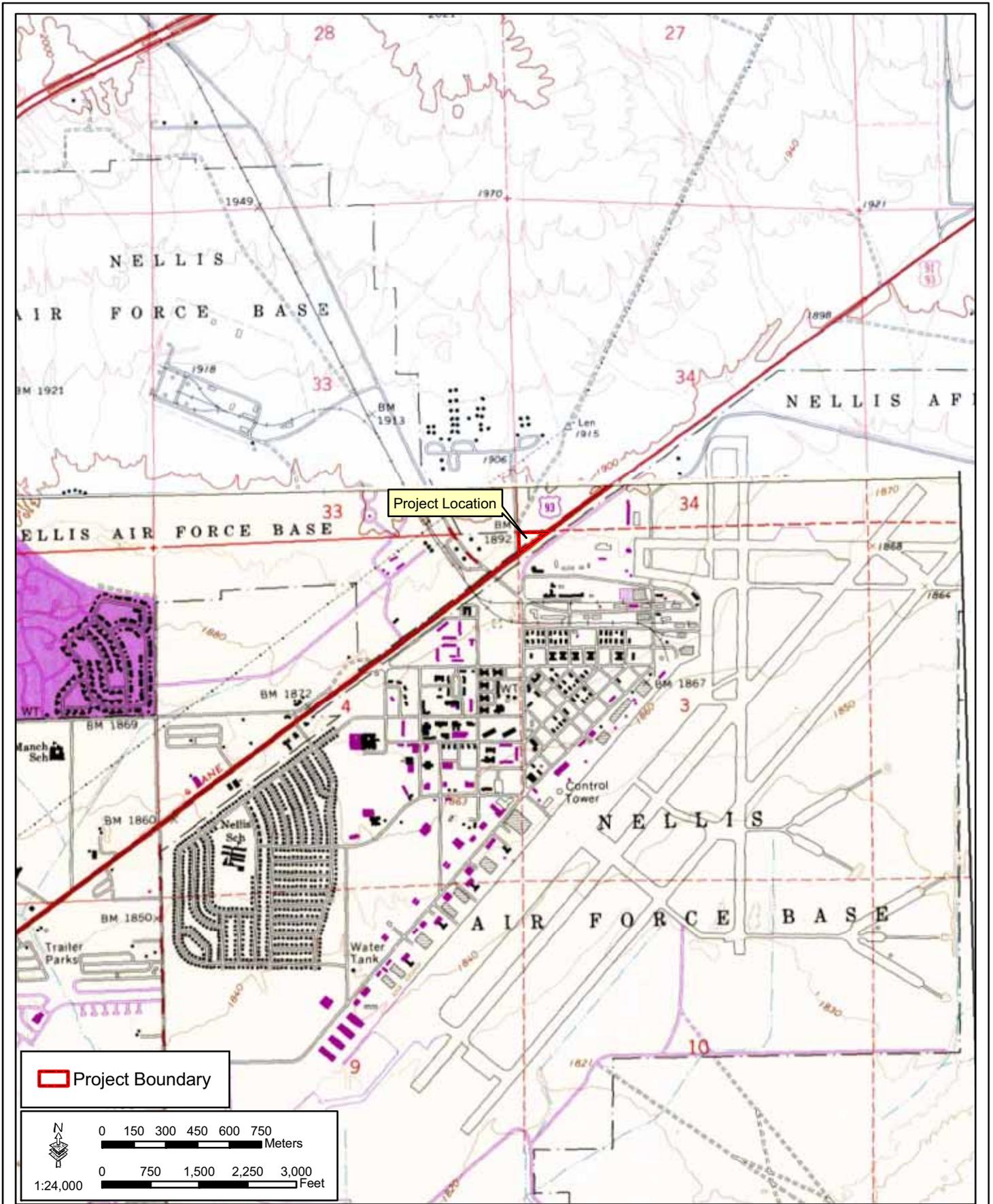
1969 Aerial Photography



October 2007

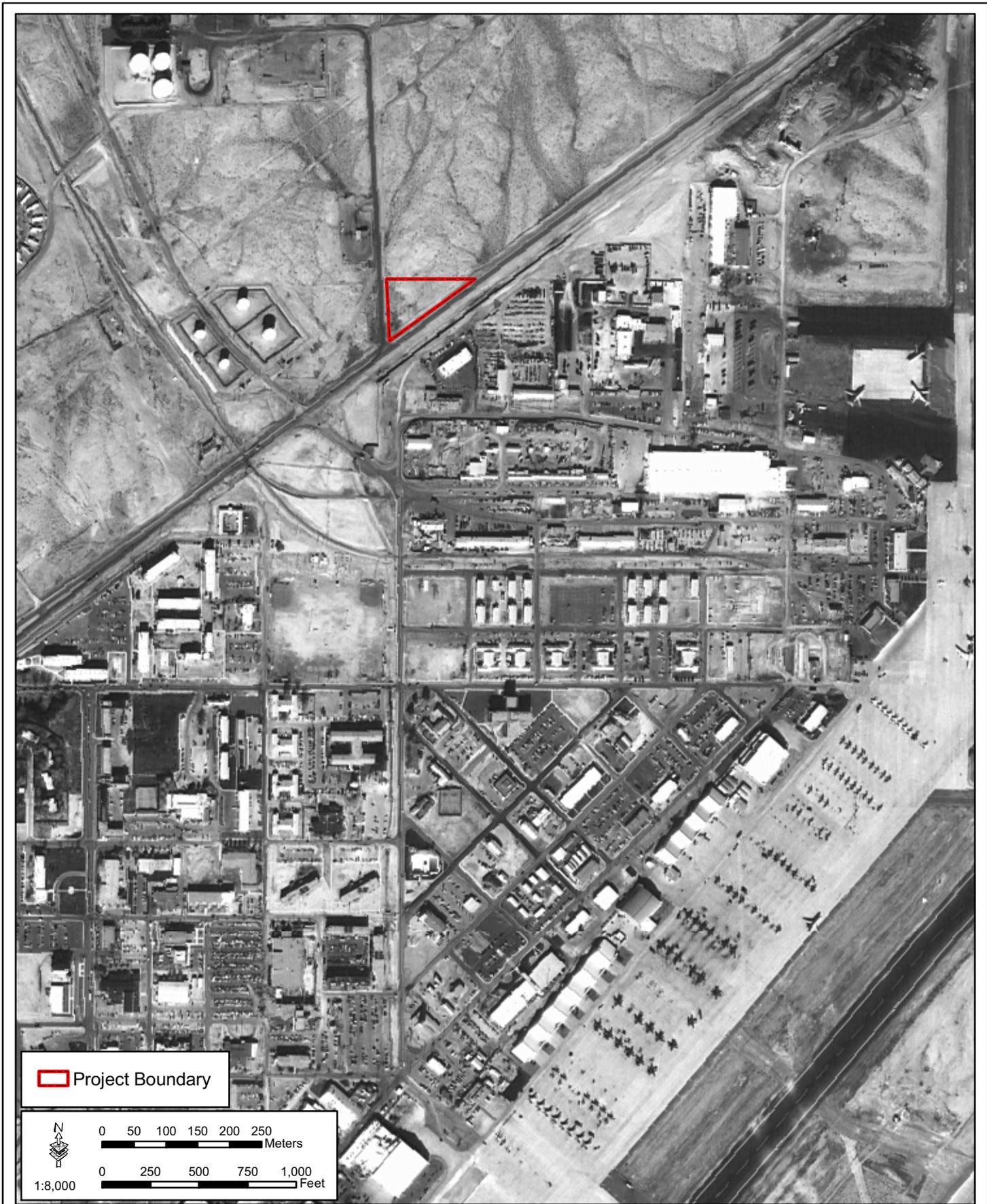


1973 Aerial Photography



1973 Las Vegas NE and 1974 Valley USGS Quadrangles





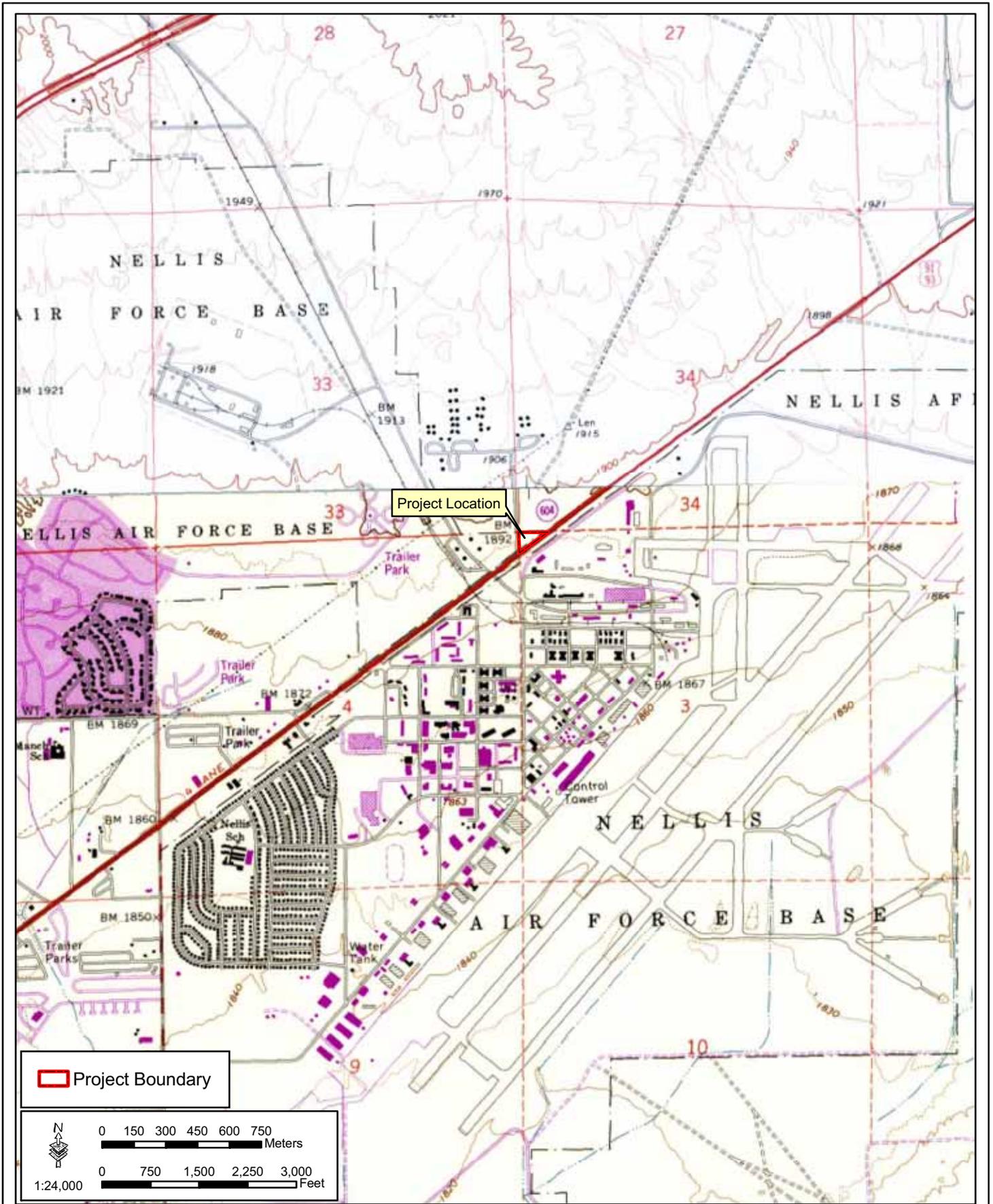
Project Boundary



1984 Aerial Photography



October 2007

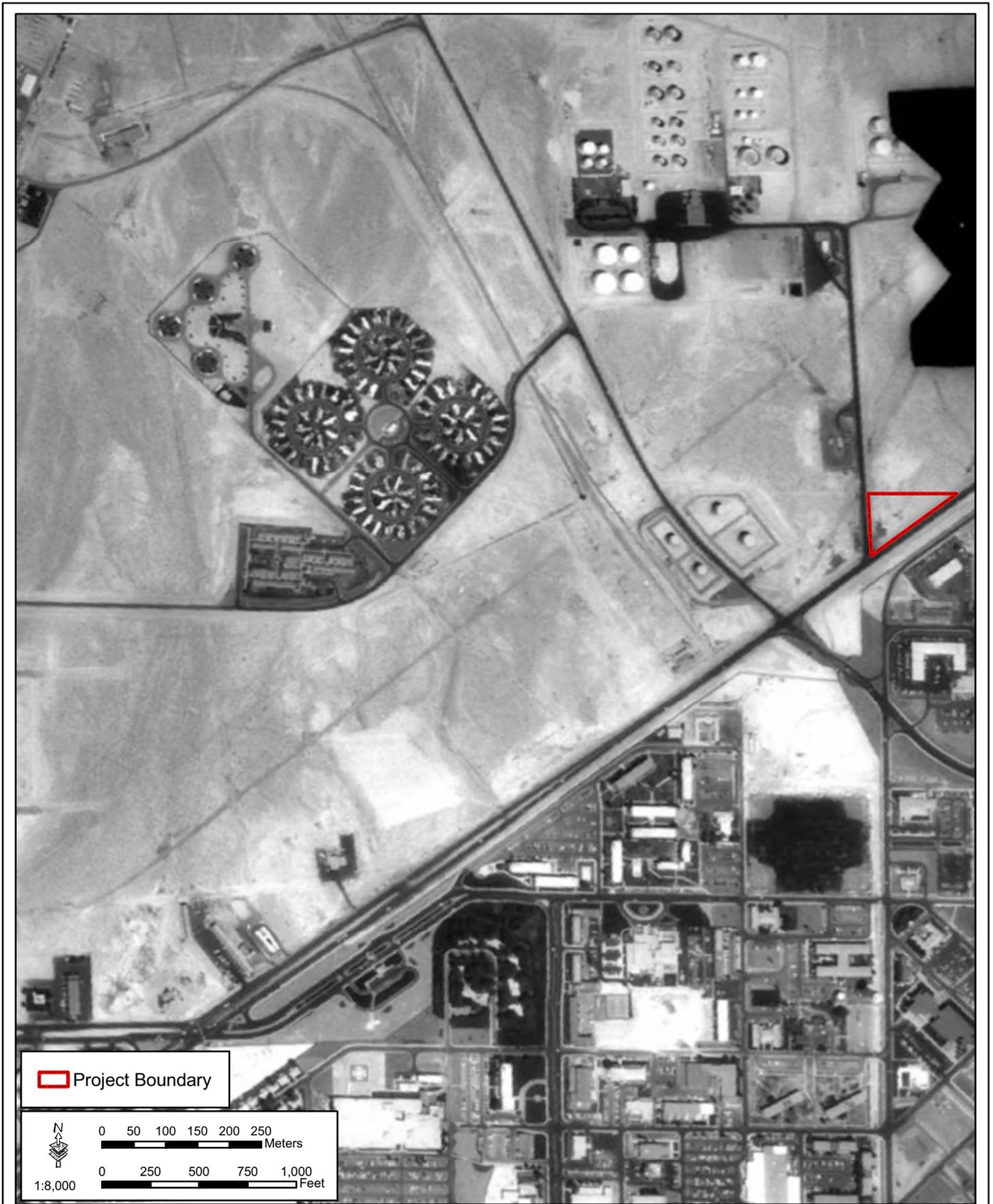


1984 Las Vegas NE and 1974 Valley USGS Quadrangles

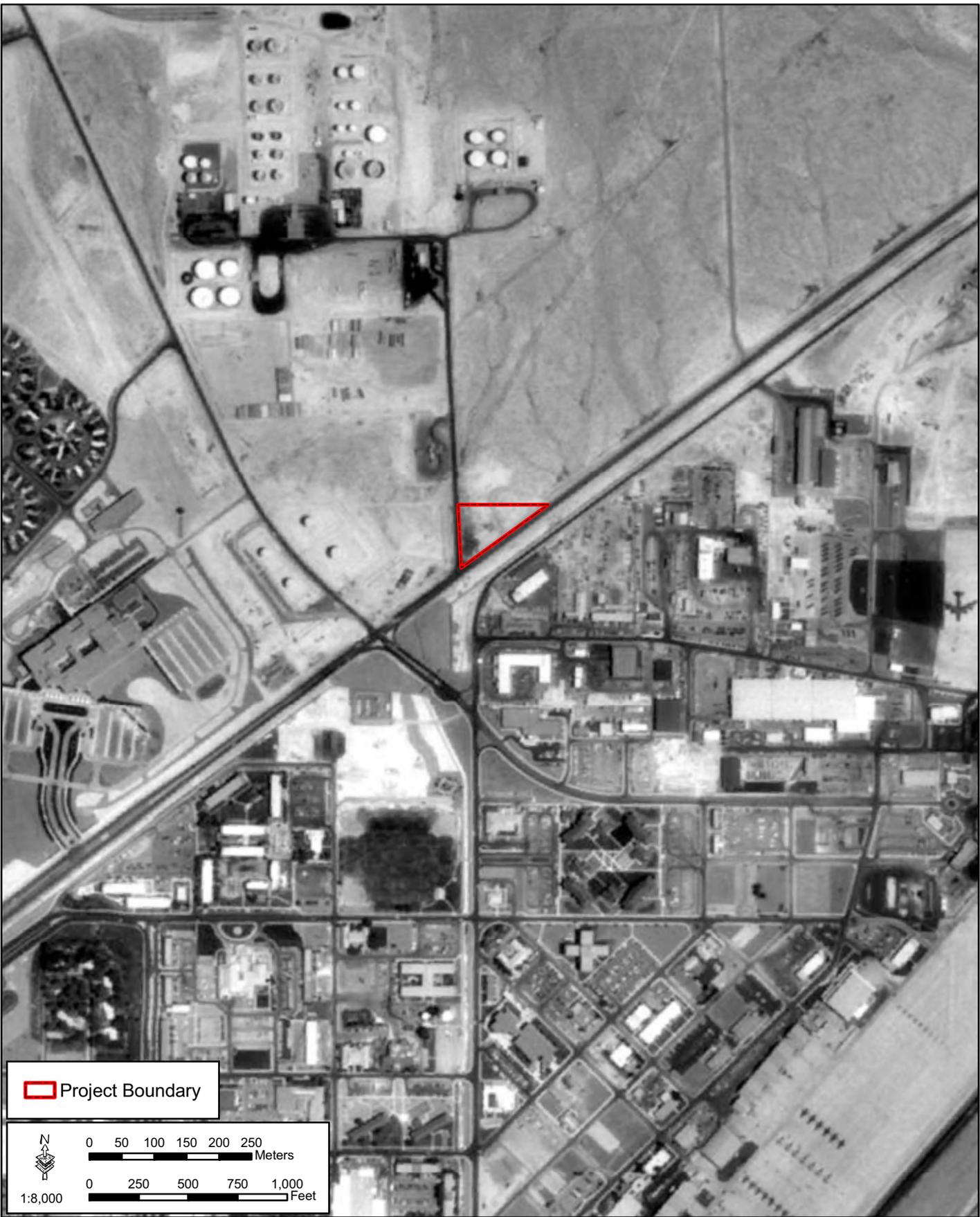




1986 Aerial Photography



1990 Aerial Photography



1994 Aerial Photography



2004 Aerial Photography



October 2007



2005 Aerial Photography



October 2007



2006 Aerial Photography



October 2007



## SITE PHOTOGRAPHS



Photograph 1. Excavation pit for leaking pipeline



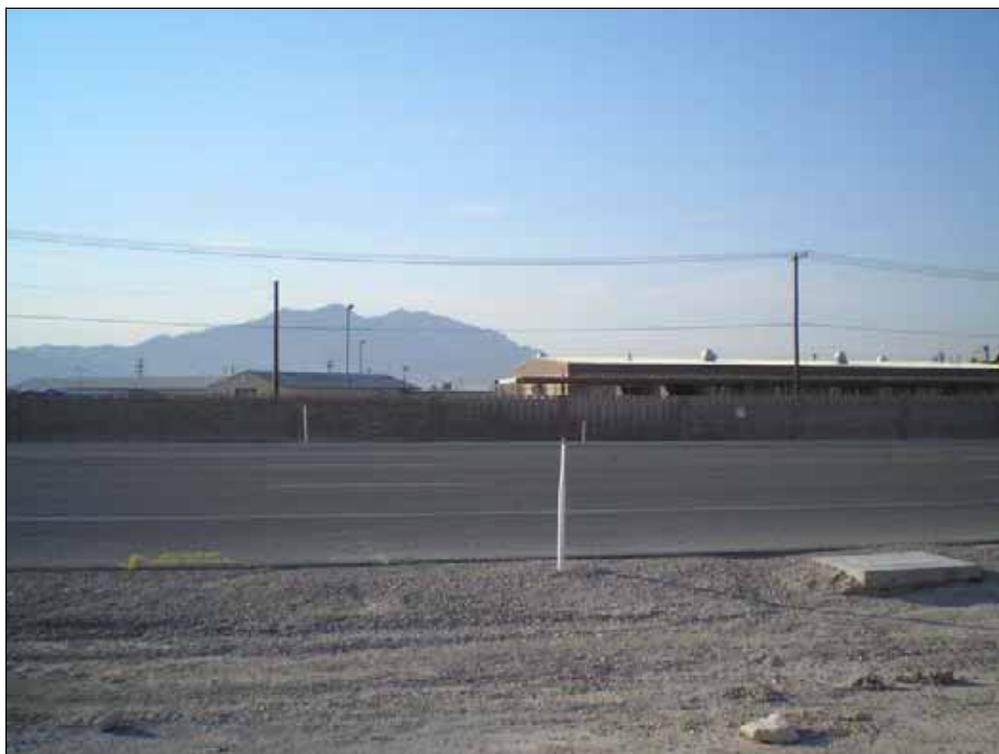
Photograph 2. Excavated soil piles from leaking pipeline pit



Photograph 3. Subject property, view to the west



Photograph 4. Subject property, view to the east



Photograph 5. Adjacent property, view to the south



Photograph 6. Subject and adjacent property, view to the west



Photograph 7. Subject and adjacent property, view to the northwest



Photograph 8. Monitoring wells adjacent to subject property



Photograph 9. JP-8 soil vapor leak detection probe in road adjacent to subject property



Photograph 10. Adjacent property, view to the west



*APPENDIX D*  
*REFERENCES*





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USGS. 1967. Las Vegas NE, Nevada 7.5-minute Topographic Quadrangle. 1967.

USGS. 1973. Las Vegas NE, Nevada 7.5-minute Topographic Quadrangle. 1973.

USGS. 1974. Valley NE, Nevada 7.5-minute Topographic Quadrangle. 1973.

USGS. 1984. Las Vegas NE, Nevada 7.5-minute Topographic Quadrangle. 1984.

*APPENDIX E*  
*INTERVIEWS*







## Phone Log/Contact Report

Project No.: 80302006s      Date: 9-22-07      Time: 2:30 pm  
Nellis AFB Pipeline  
Easement EBS

Project Name: Steve Oivanki      MSgt. Charles  
Employee:      Person Contacted: Waiters

Organization: Nellis AFB      Telephone No.: 702-652-1409

Reason for  
Call/Topics  
Discussed: Ordnance issues for the subject property

Copies to: file

Comments:

MSgt. Charles Waiters, 99 CES/CED, EOD Flight Superintendent for Nellis AFB, was interviewed at his office regarding any ordnance disposal issues near the subject property. He said that he has been with EOD Flight for 11 years, and stated that the EOD files had records of old ordnance disposal sites north of the subject property.

Decisions/ Agreements Reached:

Action Items:



## Phone Log/Contact Report

Project No.: 80302006s Date: 9-21-07 Time: 10:00 am  
Nellis AFB Pipeline  
Easement EBS

Project Name: Steve Oivanki Person Contacted: D. J. Haarklau

Employee: Steve Oivanki Person Contacted: D. J. Haarklau

Organization: Nellis AFB Telephone No.: 702-652-6115

Reason for Call/Topics Discussed: Petroleum spills and UST sites on subject property

Copies to: file

Comments:

Mr. D. J. Haarklau, 99 CES/CEVC, Environmental POLs Program Manager for Nellis AFB for the past 10 years, was contacted in his office regarding former and current petroleum spills on the subject property. He stated that there were several spills from commercial storage tanks in the vicinity. A monitoring well on the subject property had detected a leak in an underground pipeline and they were currently repairing the leak and cleaning up the spill.

Decisions/ Agreements Reached:

Action Items:



## Phone Log/Contact Report

Project No.: 80302006s      Date: 9-22-07      Time: 1:30 pm  
Nellis AFB Pipeline  
Easement EBS

Project Name: Steve Oivanki      Person Contacted: TSgt. Norman Harp

Employee: Steve Oivanki      Telephone No.: 702-652-9630

Organization: Nellis AFB

Reason for Call/Topics Discussed: Base Fire department responses near subject property

Copies to: file

Comments:

TSgt. Norman Harp, 99 CES/CEF, NCOIC Fire Department Communications Center, was interviewed at his office regarding past fire department responses in the vicinity of the subject property. He researched the digital response database, and found no recorded responses by his department in the past in the vicinity of the subject property.

Decisions/ Agreements Reached:

Action Items:



## Phone Log/Contact Report

Project No.: 80302006s      Date: 9-21-07      Time: 1:00 pm  
Nellis AFB Pipeline  
Easement EBS

Project Name: \_\_\_\_\_  
Employee: Steve Oivanki      Person Contacted: Mark Porterfield  
Organization: Nellis AFB      Telephone No.: 702-652-3159

Reason for  
Call/Topics  
Discussed: Hazardous waste sites near the subject property  
Copies to: file

Comments:

Mr. Mark Porterfield, 99 CES/CEVP, Hazardous Waste Program Manager for Nellis AFB for 2.5 years, was interviewed at his office regarding current or former hazardous waste incidents near the subject property. He stated that he had no knowledge of any hazardous waste generated or stored on the subject property.

Decisions/ Agreements Reached:

Action Items:



## Phone Log/Contact Report

Project No.: 80302006s Date: 9-20-07 Time: 9:30 am  
Project Name: Nellis AFB EBS  
NLV WWTP  
Employee: Steve Oivanki Person Contacted: John Roe  
Organization: Nellis AFB Telephone No.:  
Reason for  
Call/Topics  
Discussed: Wastewater management for subject property  
Copies to: file

Comments:

Mr. John Roe, 99 CES/CEVC, Water Quality Program Manager for Nellis AFB for the past 10 years, was contacted in his office regarding wastewater issues for the subject property. He stated that since the property is outside the base fence and is undeveloped, there are no Nellis AFB wastewater issues.

Decisions/ Agreements Reached:

Action Items:



*APPENDIX F*  
*TERMS AND ABBREVIATIONS*





## ACRONYMS AND ABBREVIATIONS

AFB	Air Force Base
AFI	Air Force Instruction
AFPD	Air Force Policy Directive
AST	Aboveground Storage Tank
ASTM	American Society for Testing and Materials
bgs	Below Ground Surface
BTEX	Benzene, Toluene, Ethylbenzene, and Xylene
CCA	Clark County Assessor
CCHD	Clark County Health District
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
COC	Contaminant of Concern
DOD	Department of Defense
EBS	Environmental Baseline Survey
ECHO	Enforcement and Compliance History Online
EDR	Environmental Data Resources, Inc.
EPA	U.S. Environmental Protection Agency
EPCRA	Emergency Planning and Community Right-to-Know Act
ERNS	Emergency Response Notification System
ERP	Environmental Restoration Program
°F	Degrees Farenheit
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
FINDS	Facility Index System
FTTS	FIFRA/TSCA Tracking System
GSRC	Gulf South Research Corporation
HVOC	Halogenated Volatile Organic Compound
ICIS	Integrated Compliance Information System
lbs	Pounds
LF	Landfill
LUST	Leaking Underground Storage Tank
MCL	Maximum Contaminant Level
MG	Million Gallons
MTBE	Methyl tertiary-butyl ether
NDEP	Nevada Division of Environmental Protection
NFRAP	No Further Restoration Action Planned
NPL	National Priorities List
PADS	PCB Activity Database
PCBs	Polychlorinated Biphenyls
POL	Petroleum, Oils and Lubricants
ppb	parts per billion
ppm	parts per million
RCRA	Resource Conservation and Recovery Act
RPM	Restoration Program Manager
SHWS	Solid and Hazardous Waste Sites
SWF/LF	Solid Waste Facility/Landfill
TCE	Trichloroethylene
TPH	Total Petroleum Hydrocarbons
TSCA	Toxic Substances Control Act
U.S.	United States
USAF	U.S. Air Force
USGS	United States Geological Survey
UST	Underground Storage Tank
VOC	Volatile Organic Compound
yd <sup>3</sup>	Cubic Yard



**APPENDIX G**  
**QUALIFICATIONS**





**STEPHEN M. OIVANKI, P.G.**  
**Qualified Environmental Professional (ASTM E1527-05)**  
**Statement of Qualifications**

**Education:** B.S. – Geology – Louisiana State University  
M.S. – Geology – Louisiana State University

**Training:** HAZWOPER – 40-hour hazardous waste responder, current refresher  
USACE 1997 Wetland Delineation Manual – 40-hour course  
Mold Assessment and Remediation in Buildings – Training Course

**Registrations:** Registered Professional Geologist #412 – State of Mississippi

**Experience: Self-employed Consulting Geologist – 10 years**  
Oil and gas exploration, subsurface site investigations, mining exploration, engineering geology

**Mississippi Department of Environmental Quality – 7 years**  
Subsurface geology, subsurface site investigations, coastal geology and geomorphology

**Mississippi Department of Marine Resources – 3 years**  
Coastal Zone Manager, supervision of environmental staff, oversight and review of Coastal Zone permits and environmental regulations

**Compton Engineering, Inc. – 5.5 years**  
Phase I Environmental Site Assessments – 40  
Phase II Environmental Site Assessments – 12  
Emergency Response Action Contractor – Miss. LUST Trust Fund  
LUST investigations and remediation – 5  
Contaminated site investigations and remediation – 7  
Wetland delineations – 50  
Mold assessments and remediation supervision – 10  
Spill Prevention Control and Countermeasure (SPCC) plans – 12  
Rubbish and Subtitle D Landfill permits – 5  
Storm Water Pollution Prevention Plans - 20

**Gulf South Research Corporation – 1 year**  
Phase I Environmental Site Assessments – 31  
NEPA Environmental Assessments - 4

