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AGO D/A ltr dtd 29 Apr 1980; AGO D/A ltr dtd 29 Apr 1980
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IN REPLY REFER TO
AGDA (M)(5 Mar 70) FOR OT UT 694035

11 March 1970

SUBJECT: Operational Report - Lessons Learned, Headquarters, 4th Infantry Division Artillery, Period Ending 31 October 1969 (U)

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2. Information contained in this report is provided to insure appropriate benefits in the future from lessons learned during current operations and may be adapted for use in developing training material.

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[Signature]

Colonel, ADC
Acting The Adjutant General

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DEPARTMENT OF THE ARMY
HEADQUARTERS 4TH INFANTRY DIVISION ARTILLERY
APO San Francisco 96262

AVDDDA-AC

31 October 1969

SUBJECT: Operational Report - Lessons Learned Headquarters, 4th Infantry
Division Artillery Period Ending 31 October 1969 RCS CS FOR = 65 (R2).

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SECTION I (C) Significant Organization or Unit Activities

1. (C) General.

a. During the period the 4th Infantry Division Artillery fired in support of
maneuver forces participating in Operation Hines and Operation Washington
Green. The operations ran concurrently and were still in effect at the close of
the reporting period.

b. Task Organization is as shown at Inclosure 1.

c. Commanders and Principal Staff are shown at Inclosure 2.

(1) Primary Mission: The primary mission of the 4th Infantry Division
Artillery was to provide continuous and timely fire support to the 4th Infantry
Division and other friendly forces by destroying or neutralizing, in priority,
those targets that jeopardized the accomplishment of the mission.

(2) Secondary Mission: To increase the effectiveness of RVNAF artillery
elements and enhance the security of civilian population in the area of
operation. This was accomplished by instructing RVNAF artillery units in
proper firing battery, FIC, and grid clearance procedures, as well as instruct-
ing RPF/FF, CIDG, PSCF, and village members in the correct procedures for the
adjustment of artillery fire.

2. (C) Intelligence. The intelligence picture was developed in relation to
the three areas, occupied by Brigades of the 4th Infantry Division, each of
which was supported by a IB Artillery Battalion of the Division Artillery.
Additionally Division Artillery was responsible for the Defense of Camp Enari
and an area approximately 12 km radius from Camp Enari, which will also be
discussed.

a. Areas of Operations.

(1) 1st Bde (6-29 Arty, IB), Minh Dinh Province. Enemy activity during the
month of August was relatively light with the exception of 11-17 August when
the enemy forces increased their activity to the west of An Khe. Installations
along Highway 19 were the focal points, with mining incidents harassing attacks
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AVMD/AC 31 October 1969

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31 October 1969 RCS CSFOR 65 (R2)

On pump stations, bridges, strong points, bases predominate. Operations to the
northeast of An Khe continued to uncover numerous fortifications, weapons,
ammunitions and food supplies.

During the month of September enemy activity throughout Dinh Dinh Province
remained light. Activity along Highway 19 was especially light, with only two
nining incidents reported. First Brigade continued to take the initiative
against 959 Regiment vicinity east of VC Valley as well as Gia Lai Province
Committee in their base area approximately 40 kilometers northeast of An Khe.
Installations such as a uniform factory, rear services supply point, food caches,
and a command station, complete with field phones and a switchboard, attesting to
the enemy's extensive use of the Gia Lai area. To the northeast of An Khe, 1st
Brigade LRD teams and 7/17 Cavalry elements initiated operations in Base area
226 (east of LZ Hardtimes) to pinpoint elements of the 18th NVA Regiment. 1st
Brigade operations in VC Valley were concluded at the end of September, while
operations against the Gia Lai Province Committee to the northeast of An Khe
were continued. Second Brigade took over operations in Base Area 226 on 21 Sep 69.

Enemy activities during the month of October were light and characterized by
small unit contacts and sniping incidents.

(2) 2d Brigade (4-42 Arty, 1B), Kontum Province and Dinh Dinh Province. In
Kontum Province the major enemy units were the 40th Artillery Regiment, the 304th
Infantry Regiment and the 406th Support Battalion. The 631st Artillery Battalion
was known to be in the Kontum area and had moved into the Chu Pa Mountain region.

During the period 1 August to 21 September activity in Kontum Province
was generally light. The enemy was believed to be recovering from attacks during
the months of May and June. The enemy continued to move for regrouping and
resupplying. Detection of this movement was the primary source of contact.

Heavy attacks were reduced from the previous quarter. There were four
known instances of fire on Kontum City. These were attributed to the 40th Artillery
Regiment which was believed to be in the area northeast of Kontum.

Local guerrilla activity included attempts to terrorize villagers. Governing
members of the villages were kidnapped and threatened with death if cooperation
was given to the government or U.S. Forces. They were then returned to the
villages with the hope that they would persuade others to aid local NVA and
Viet Cong troops.

On 21 September the 2d Bde shifted its area of operation to Dinh Dinh
Province. The 18th NVA Regiment has been confirmed in this area. No large
scale resistance was met. Enemy forces killed during this period were two
hundred and eight. Twenty-three enemy personnel were captured in action.
Large caches of rice, other food, clothing, arms, and ammunition being

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discovered confirmed this area as a resupply base.

In the area northeast of An Khe (Sinh Dinh Province), the location of the 7th NVA Regiment has three organic battalions, 7th, 8th and 9th Infantry Battalions. This region, known as Base Area 226, has long been a source of enemy activity and resupply.

(3) 3d Bde (2-9 Arty, 2B), Pleiku Province. On the 1st of August, 3d Bde continued operations against platoon and squad size elements in the 2nd AO. Enemy activity during August was light. The enemy was believed to be recovering from operations during May and June. Mining incidents along Highway 19 & 14 were the principle enemy activity during August. The enemy conducted harassing attacks and terrorist activities against villages and hamlets located throughout the AO. On 21 August, elements of Co C, 615th Engr, moving south on Hwy 13, were ambushed by elements believed to be from the 30th IF BN. During the month of September enemy activity throughout the 2nd AO remained light as NVA forces continued to accomplish resupply and refitting operations. Local VC forces continued their harassing tactics against hamlets and villages while NVA forces conducted limited harassing attacks against US fire bases. On 9 Sep 3/2-35 Inf engaged an estimated reinforced company, vicinity YA 663653, resulting in 25 NVA KIA. During October a significant change in enemy activity was the reported movement of the 24th Regt HQ's from Cambodia to the Chu Pa Mountain Complex. Also there was evidence that the K-4 BN, 24th NVA Regt attempted to move east, to interdict Hwy 15. On 25 Oct, 16 incidents were reported in the Pleiku and Kontum Provinces. 6/29 Arty received an estimated 72 82mm mortars on 300710 Oct at YA 935558 from elements of the 24th NVA Regiment.

(b) Tactical Area of Responsibility (TAOR) Camp Enari, Pleiku Province. During the reporting period enemy activity was light and sporadic. The enemy harassed friendly villages where CA teams are located. Sniping, small arms fire and infrequent mortar and rocket fire were used in hit and run tactics. Significant incidents within the Division TAOR are listed below. On 12 Aug Plei Lai Doi received heavy small arms fire with 3 Montagnard WIA. During the night of 12-13 August the Plei Do Lim perimeter was penetrated by 15 VC resulting in 2 Montagnard children KIA. On 5 Sep 1st Bde 35 truck received heavy 82mm fire from an estimated 20 VC at AR 820325 with no friendly casualties. On 15 Sep a DISSON patrol was engaged with 82mm fire by 12 individuals in the vicinity of Za 214400, negative casualties. At 202325 Sep 1 US soldier was wounded when a DISSON patrol received 30 rounds 82mm at Za 155350. Pleiku Sector reported that on 26 Sep, 20 Catechists Tea Plantation workers received a propaganda lecture from 30 VC. The CA Team and indigenous personnel from Plei Breng detained 1 suspect VC with documents on 16 Oct 69. Suspect later was confirmed to be a member of local VC political cadre operating in the area at Plei Breg. At 201820 Oct LRRF element 7, vic Za 180410 detained one Montagnard male in civilian clothes carrying a French submachine gun. After interrogation the individual was declared a PV. At approximately 232200 Oct, 50-60 VC entered Plei Pang and told the villagers to resist US efforts in the village and grow rice for the VC. Plei Do Lin received 10 rounds of mortar resulting in 2 WIA.

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(Montagnard men) and 1 N. (Montagnard woman) on 25 Oct 69. On 25 Oct, a PF element at Bau Canh attacked by enemy platoon with 7 TF NHA, enemy casualties were unknown. On 26 Oct, Flei Do Lim received 10 mortar rounds from AR 8th296 with no friendly casualties; Camp Enri received 3 122mm rockets on 27 Oct with no damage or injuries. SEL was determined to be 2A 192359. Further investigation of SEL revealed a 20 foot trench with 5 burn marks.

b. Survey.

(1) Division Artillery: During the reporting period, the survey section continued to provide 5th order survey of friendly villages and the Nguyen Thi-Coffe plantation. Resulting data was relayed to the fire direction center at Camp Enri.

(2) 6th Battalion, 29th Artillery: The survey section continued to provide 5th order survey for firing battery locations within the Brigade AO.

(3) 4th Artillery: The survey section continued to provide support for the firing batteries as needed. With the decrease in enemy activity the battalions requirements were limited. This allowed the survey section to aid the 2/6th Infantry Battalion in surveying mortar positions and maintain proficiency.

(b) 2d Battalion 9th Artillery: Survey was provided to the battery and 4.2" mortar platoon located at LZ Herodith. Traverse and sector surveys were also performed for LZ Joan, LZ Jane, LZ cursos, LZ Holy, LZ Ruth, LZ Beatrice, LZ Old Flei Bjerring, LZ Delta. Adequate control was provided to all units in the AO.

(5) 5th Battalion 16th Artillery: The survey section continued to provide 5th order survey to several battery positions within the Division AO.

c. Radar: (AN/TPS-25)

The AN/TPS-25 ground surveillance radar operated for 896 hours and 30 minutes with 22 non-operational days. Principal reasons for non-operational days was the lack of replacement parts:

6 days - Generator non-operational.

16 days - Parts for the magnetron linear range pot, Power Supply Receiver transmitter were not available.

There were 208 radar contacts during the reporting period. 60 of the acquired targets were engaged with 362 rounds of artillery and mortars. Subsequent ground sweeps of radar locations revealed the following:

(1) Two bunkers were discovered and destroyed.
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(2) Four tunnels were discovered and destroyed.

(3) Sweeps of three cross produce blood trails.

The radar was used to vector gunships over a radar contact at night. The radar was used in conjunction with a LOR to obtain grids of single houses and other friendly locations within the Division TAOR.

d. Rader (AN/MPQ-4)

2d Battalion 9th Artillery. The AN/MPQ-4A countermortar radar was operational for 1195.6 hours with 15.5 hours of downtime. Downtime was the result of replacing a power cable, thyatron tube and azimuth drive motor. 47 registrations were conducted during the reporting period. Ten countermortar/counterrocket SEL were required during the reporting period. None of the ten attacks were low angle. Only one of the attacks was sector. All SELs were engaged with counterfire artillery and mortars.

6th Battalion 29th Artillery. The countermortar radar section was operational for 760.3 hours during the reporting period. The AN/MPQ-4A was non-operational for 30 days for the replacement of a thyatron and a magnetron. The radar was moved from LZ Action to An Khe on 7 Sep and then to LZ Denise on 30 Sep 69. 50 registrations were conducted during the period of 1 Aug to 31 Oct. 5 SELs were acquired and fired upon with artillery and mortars.

4th Battalion 22d Artillery. The AN/MPQ-4 Radar Set remained at Kontum Air Field until 15 October. During this period there were four known indirect fire attacks. Suspected enemy locations were detected even though the attacks were of short duration. Fire was returned on two enemy locations. The AN/MPQ-4 radar set was non-operational a total of 35 hours on three separate occasions. Three major components had to be changed in the transmitter during this time.

On 15 October the section was transferred to Camp Enari near Meikin. Since 15 October, the radar set has been operational.

3. (C) Operations:

a. Plans. During the period the 4th Infantry Division participated in Operation Hines and Washington Green. The operations ran concurrently and are still in progress.

(1) Operation Hines 312400 Jan 69 - Present.

The 4th Infantry Division conducted sustained, coordinated, and combined operations to destroy enemy units, destroy or neutralize enemy base areas, and interdict infiltration routes.

(2) Operation Washington-Green 191200 Apr 69 - Present.
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The 4th Infantry Division conducted operations in support of the 1969 GW Proliferation and Development Plan to destroy VC, enemy units and local force units; support Province/District operations by clearing and protecting areas designated for pacification, and conducting intensive civil affairs operations.

b. General. The 4th Infantry Division operated in the three Brigade concept, each with a 105 howitzer artillery battalion in direct support. GS and GSH artillery was positioned as to reinforce vulnerable areas and provide maximum support to maneuver units, critical installations, and the friendly indigenous forces and population. In addition to the Brigade Areas of Responsibility the Division Artillery was responsible for the area around Camp Enari. The areas of operation will be discussed separately.

(1) The 6th Bn 29th Arty, in direct support of the 1st Bde, 4th Infantry Division, operated in the area of Camp Rockcliff, An Khe (39565467). The 1st Bde conducted search and destroy operations throughout the area of operations from the Hung Yung Pass (3922853) to the An The Pass (39566456). Most of the contacts with enemy forces were small, and the majority were along highway 19. Maneuver forces and artillery fires were directed so as to destroy enemy forces as well as to prevent attacks against populated areas and critical installations along highway 19. A program to train indigenous forces in artillery adjustment was also established and proved very successful. Artillery batteries were frequently split so as to give greater area coverage.

(2) The 4th Bn 42d Arty was in direct support of the 2d Bde, 4th Infantry Division during the entire period, and operated in the Kontum Province to the North and West of Plei Han, until 21 Sept 69. Contacts were few and enemy activity was light. Due to the increase of small unit operations the artillery made greater use of "hip shoot" positions to give greater coverage by artillery fires. On 21 September the 4-42 Arty shifted its area of operations to Binh Dinh Province in response to increased enemy activity. A/6-29 Arty was placed OCON to the 4-42 Arty and the fires of C/2-16 (-) and D/5-16 (-) (BM3) were controlled by the 4-42 Arty. Large caches of rice, weapons, and ammunition were found, in addition to 208 enemy KIA and 23 enemy CIA. A Tactical Command Post was established at PSB Hardtimes (39613606) to control the operation called "Autumn Cougar". The operation terminated on 28 Oct 69 and the 4-42 Arty (-) displaced the TaC C to the vicinity of PSB60060 (PS3 English) to conduct operations in the An Leo Valley.

(3) The 2d Bn, 9th Arty was in direct support of the 3d Bde, 4th Infantry Division during the reporting period. The Tactical Command Post was collocated with the 3d Bde headquarters at PS3 Oasis (39111275) until 27 Oct when the entire control element displaced to Camp Enari (39801319), the 4th Infantry Division base camp. The 3d Bde area of operation was relatively quiet throughout the reporting period, characterized by light enemy contacts with enemy forces using small scale hit and run tactics.

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(4) The defense of Camp Enari was the responsibility of Division Artillery. The area, generally circular in shape, included Camp Enari and the area within approximately 12 kms of the base camp. To defend Camp Enari, four 105mm howitzers, three 155mm howitzers (SP) and mortars were placed under the control of 5-16 Arty and fired in support of the Camp and any friendly forces in range. Patrolling, aerial observation and search and cordon operations in the Tactical Area of Responsibility (TAOR) discovered few significant enemy activities. An active night firing program was conducted throughout the reporting period firing on suspect enemy locations, past and possible mortar/rocket positions.

c. Artillery expenditures for the period are shown at Inclosure 3.

4. (C) Training:

a. General. The Division Artillery continued with scheduled training as required by 4th Infantry Division Regulation 350-1. Emphasis on cross training of personnel continued in all Division Artillery units.

b. Division Artillery. Division Artillery conducted replacement training for newly assigned Liaison Officers and Forward Observers. In addition, three classes for non-artillerymen were conducted on the duties of the forward observer. The classes and dates were as follows:

(1) TYPE CLASS | DATES | NUMBER ATTENDING
------------- | ------ | ----------------
Liaison Officer | 23-24 Aug 69 | 5
Forward Observer | 1-3 Aug 69 | 4
| 19-20 Aug 69 | 2
| 6-10 Sep 69 | 9
| 27-29 Oct 69 | 6
Non Arty Forward Observer | 8-9 Aug 69 | 2
| 19-20 Aug 69 | 5
| 21 Oct 69 | 6

(2) The POI for the above courses is as follows:

(a) Liaison Officers:

Artillery Adjustment | 8 Hours
Rules of Engagement | 2 Hours
Lessons Learned | 1 Hour
Improved Conventional Munitions | 1 Hour
Fire Planning | 2 Hours
Duties of the Liaison Officer & Application of Fire Planning | 4 Hours
Communications | 2 Hours
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(b) Forward Observers:

Artillery Adjustment 3 Hours
Rules of Engagement 2 Hours
Lessons Learned 1 Hour
Improved Conventional Munitions 1 Hour
Fire Planning 2 Hours
Land Navigation 6 Hours
Responsibilities of the FO 3 Hours
Survival 2 Hours
Communications 2 Hours

(c) Non-Artillery Forward Observers:

Communications 2 Hours
Artillery Weapons 1/2 Hour
Artillery Employment 1 Hour
Target Location and Directing (Regun HL)
Artillery Adjustment 2 Hours
Danger Close Adjustment 3 Hours
Safety and Rules of Engagement 36 Hours
Hip/Land Navigation 8 Hours
Review 2 Hours

(3) Fifteen officers also attended the INFY Artillery Fire Direction Course during the reporting period.

d. Battalion Training. The field artillery battalions in Division artillery conducted unit and individual training whenever the tactical situation permitted. Training was conducted in all the mandatory subjects with special emphasis on safety, communications security, K-16 care and maintenance and G.E. Units were also given training in enemyweapons attacks and the safe handling of US and enemy munitions.

d. Artillery Assistance Training. Division Artillery units continued with an aggressive assistance program throughout the reporting period. Batteries instructed assigned infantry units in proper adjustment of fire techniques. Liaison Officers and Forward Observers also gave classes in the proper planning and utilization of artillery fire. Classes in artillery adjustment were also given to special forces personnel, American Advisors, ARVN and Regional Force/Popular Force units, NSP personnel and civil affairs personnel. The 4.2"/61mm mortar battery located at Camp Encri and controlled by the 5-16th Artillery conducted MOS and refresher training for mortar crewmen.

5. (c) Logistics:

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a. Current Stockage - The ammunition stockage at Mary Lou and Oasis was eliminated because of changes in tactical operations.

b. Basic Loads of Ammunition.

(1) Current basic loads of ammunition continued at the same level stocked in previous quarters.

<table>
<thead>
<tr>
<th>WEAPON</th>
<th>TYPE</th>
<th>AMMUNIT ID</th>
<th>STOCKAGE AT POSITION</th>
</tr>
</thead>
<tbody>
<tr>
<td>105 Howitzer (5 tubes)</td>
<td>HE</td>
<td>1250</td>
<td></td>
</tr>
<tr>
<td></td>
<td>-ILL</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td></td>
<td>-WP</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td></td>
<td>-SHK</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>155 Howitzer</td>
<td>HE</td>
<td>750</td>
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</tr>
<tr>
<td></td>
<td>-ILL</td>
<td>80</td>
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<tr>
<td></td>
<td>-WP</td>
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<tr>
<td></td>
<td>-SHK</td>
<td>60</td>
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<tr>
<td>8 Inch</td>
<td>HE</td>
<td>400</td>
<td></td>
</tr>
</tbody>
</table>

(2) Variations of stockage at battery positions were authorized based on enemy contact and insignificance of unit movement.

c. Ammunition Supply Rates

(1) 105mm

<table>
<thead>
<tr>
<th>PERIOD</th>
<th>ASR</th>
<th>FIRED</th>
<th>TACTICAL SAVINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>211001 July - 091800 Aug</td>
<td>27.2</td>
<td>26.7</td>
<td>+ .5</td>
</tr>
<tr>
<td>091001 Aug - 211800 Aug</td>
<td>26.2</td>
<td>26.0</td>
<td>+ .2</td>
</tr>
<tr>
<td>*211801 Aug - 091800 Sep</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
</tr>
<tr>
<td>*091801 Sep - 211800 Sep</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
</tr>
<tr>
<td>*211801 Sep - 091800 Oct</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
</tr>
<tr>
<td>091801 Oct - 211800 Oct</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
</tr>
</tbody>
</table>

* No restriction on 105HE during the period 241801 Aug-241800 Oct 1969.

(2) 155mm

<table>
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<th>ASR</th>
<th>FIRED</th>
<th>TACTICAL SAVINGS</th>
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</thead>
<tbody>
<tr>
<td>211801 July - 091800 Aug</td>
<td>14.4</td>
<td>14.0</td>
<td>+ .4</td>
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<tr>
<td>091001 Aug - 211800 Aug</td>
<td>20.6</td>
<td>20.6</td>
<td>0.0</td>
</tr>
<tr>
<td>*211801 Aug - 091800 Sep</td>
<td>-----</td>
<td>-----</td>
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</tr>
</tbody>
</table>
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* No restriction on 155HE during this period.

(3) 8 Inch

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<th>ASR</th>
<th>FIRED</th>
<th>TACTICAL SAVINGS</th>
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<td>091800 Aug - 2d1800 Aug</td>
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<tr>
<td>091800 Sep - 2d1800 Sep</td>
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<tr>
<td>#2d1801 Sep - 091800 Oct</td>
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<tr>
<td>#091801 Oct - 2d1800 Oct</td>
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</tbody>
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* No restriction on 8 Inch HE during this period.

d. Equipment


<table>
<thead>
<tr>
<th>ITEM</th>
<th>DOWN DAYS</th>
<th>D/L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Truck 1/4 Ton</td>
<td>215</td>
<td>2.8</td>
</tr>
<tr>
<td>Truck 3/4 Ton</td>
<td>657</td>
<td>6.7</td>
</tr>
<tr>
<td>Truck 2 1/2 Ton</td>
<td>1130</td>
<td>14.1</td>
</tr>
<tr>
<td>Truck 5 Ton</td>
<td>369</td>
<td>17.6</td>
</tr>
<tr>
<td>Truck 5 Ton Wrecker</td>
<td>203</td>
<td>5.6</td>
</tr>
<tr>
<td>Carrier 577</td>
<td>17</td>
<td>2.4</td>
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<tr>
<td>Carrier</td>
<td>289</td>
<td>15.3</td>
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<table>
<thead>
<tr>
<th>ITEM</th>
<th>DOWN DAYS</th>
<th>D/L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Howitzer M101A</td>
<td>50</td>
<td>1.5</td>
</tr>
<tr>
<td>Howitzer M102</td>
<td>19</td>
<td>2.9</td>
</tr>
<tr>
<td>Howitzer M109</td>
<td>354</td>
<td>21.6</td>
</tr>
<tr>
<td>Howitzer M110</td>
<td>37</td>
<td>10.6</td>
</tr>
</tbody>
</table>

(2) The overall vehicle deadline rates increased during the period due to the fact that repair parts for vehicles have been extremely difficult, and in some cases impossible, to obtain, example, brake shoes, exhaust pipes for 2½ ton vehicles, inner wheel seals and wheel cylinders for the 3/4 ton vehicles.

(3) Howitzer deadlines have increased considerably because of the high rate of sustained fire over the past 60 days.

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AUG 16-AC. 31 October 1969

SUBJECT: Operation Report - Lessons Learned for the Period Ending
31 October 1969 2CS - CSFOR -65 (HI)

6. (C) Organization

   a. Strength. Authorized and assigned strength as of the end of the
      reporting period were as follows:

      (1) AUTHORIZED:

      | UNIT   | OFF | WD | EM | AGG |
      |--------|-----|----|----|-----|
      | HH3    | 36  | 11 | 164| 213 |
      | 5/16   | 33  | 2  | 577| 612 |
      | 6/29   | 34  | 3  | 479| 526 |
      | l/l2   | 34  | 3  | 479| 526 |
      | 2/9    | 34  | 3  | 479| 526 |

      (2) ASSIGNED:

      | UNIT   | OFF | WD | EM | AGG |
      |--------|-----|----|----|-----|
      | HH3    | 39  | 11 | 157| 207 |
      | 5/16   | 34  | 2  | 545| 561 |
      | 6/29   | 34  | 2  | 499| 537 |
      | l/l2   | 34  | 3  | 420| 460 |
      | 2/9    | 34  | 2  | 414| 452 |

   b. Replacements and Rotations: Division Artillery received a total of
      63 officers and 322 enlisted replacements. During the same period, 93 officers
      and 524 enlisted men rotated.

   c. Casualties:

      | UNIT   | AUGUST | SEPTEMBER | OCTOBER |
      |--------|--------|-----------|---------|
      |        | KIA - WIA - MIA | KIA - WIA - MIA | KIA - WIA - MIA |
      | HH3    | 0     | 0         | 0        |
      | 5/16   | 0     | 0         | 0        |
      | 6/29   | 0     | 0         | 0        |
      | l/l2   | 0     | 0         | 0        |
      | 2/9    | 1     | 0         | 0        |

   d. Morale and Personnel Services:

      (1) Awards and Decorations. During the reporting period, the following
          awards were awarded:

          (a) Medal of Honor: None

          (b) Other Awards:

          | UNIT | DSC | SS | IM | DFC | SH | RSV | ESA | DSS | ANV | AM | ACT | ACHS | ACHF |
          | HH3  | 0   | 0  | 0  | 0   | 0  | 24  | 2   | 26  | 1   | 42 | 2   | 0    |
          | 5/16 | 0   | 0  | 0  | 0   | 0  | 3   | 0   | 26  | 0   | 3  | 19  | 110  | 0    |
          | 6/29 | 0   | 0  | 0  | 0   | 0  | 7   | 0   | 12  | 0   | 6  | 29  | 65   | 0    |
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AVIATION

SUBJECT: Operation Report - Lessons Learned for the Period Ending 31 October 1969 RIC - GSFOR 65 (RI)

UNIT  DEC  SS  LN  IFG  SH  25V  RDA  RDS  AFF  AN  AGSH  ACHE  ACAH  FH

4/32  0  0  0  0  3  1  22  0  9  12  73  0  3
2/9   0  1  0  0  3  0  19  0  10  2  57  0  11
TOTAL 0  3  0  0  16  3  103  0  54  63  377 2  30

(2) Promotions. Total promotions by grade during this reporting period are as follows:

UNIT  E6  E5  E4  E3  E2  E1

HIS  23  15  2  0  0  0
5/16  14  69  9  1  0  0
6/28  98  56  0  3  0  0
4/20  78  52  5  0  0  0
2/9   93  49  3  1  1  0
TOTAL 434 241 27 5 1 0

(3) Rest and Recuperation. During the reporting period Division Artillery received 670 R & R Allocations and used 671.

7. (C) Other

a. Aviation.

(1) Aircraft Status.

(a) Disposition of aircraft during reporting period.

1. 1 Aug - 10 Aug: 9 aircraft authorized, 7 on hand.
2. 11 Aug - 26 Aug: 9 aircraft authorized, 8 on hand.
3. 27 Aug - 1 Sept: 9 aircraft authorized, 7 on hand.
4. 2 Sept - 5 Sept: 9 aircraft authorized, 8 on hand.
5. 6 Sept - 9 Sept: 9 aircraft authorized, 9 on hand.
6. 10 Sept - 20 Sept: 9 aircraft authorized, 8 on hand.
7. 21 Sept - 22 Sept: 9 aircraft authorized, 7 on hand.
8. 23 Sept - 10 Oct: 9 aircraft authorized, 6 on hand.

b. During this period of three months, the aviation section continued with the schedule of turning in the older OH-6A aircraft for the new OH-6A helicopters. The following OH-6A were turned in for re-issue to another unit.
135 on 26 Aug, 552 on 9 Sept, and 565 on 20 Sept. Aircraft 835 was turned in on 18 Oct as unserviceable with tail boom problems. The new 60 series aircraft received during the period were: 245 on 19 Aug, 213 on 2 Sept, 271 on 6 Sept, and 111 on 23 Sept. Two additional 60 series OH-6As, which should be received during the next month, will finally bring the section up to full strength of 9 aircraft, as authorized.

(2) Personnel.

(a) The officer and enlisted personnel situation remained fairly stabilized over the reporting period. Looking forward to numerous enlisted personnel losses due to DEROS in the coming quarter, an extensive training program is continuing for the newer crew chiefs. One Major, the aviation officer, transferred to division to become the Assistant Division Aviation Officer. The aviation officer position was then assumed by a Captain upon his extension in Vietnam for 6 months. One Captain DEROS'D, and one Captain transferred into the unit from the 1/10th Cavalry. One Warrant Officer and two enlisted men joined the unit after arrival from Conus. Neither of the two new crew chiefs were school trained for maintenance on the OH-6A. One enlisted PLL clerk was transferred to another section of the Headquarters Battery. The senior enlisted man, currently occupying the section chief position, has extended his tour an additional 6 months.

(b) Personnel status at the end of the reporting period:

Officer status:
1 aviation officer authorized (Major) - 1 assigned (Captain)
6 commissioned officers authorized - 4 assigned
7 warrant officers authorized - 7 assigned

Enlisted status:
20 enlisted men authorized
15 enlisted men assigned

(3) Operations

Due to the close proximity to Camp Enari of three of the assigned artillery battalions (2/9th, 5/16th, and 1/29th) supported by the Division Artillery Aviation Section, all aircraft except one were based at Camp Enari rather than with the individual units at the beginning of this reporting period. This policy resulted in continuously high aircraft availability rates because the section was able to rotate aircraft and aviators daily. A high quality of aircraft maintenance was achieved due to the excellent facilities and equipment available at the organizational level at Camp Enari and to the outstanding assistance received from the 70th Maintenance Battalion. One aircraft, with pilot and two crew chiefs, remained forward at An Khe in support of the 6/29th Artillery Battalion. This measure was due to the usually poor weather conditions between Camp Enari and An Khe in the vicinity of the Nang Yang Pass area.
On 21 Sept, a second aircraft with pilot and crew chief moved to An Khe in support of the 1/42 Artillery Battalion. Several attempts were made to keep a third aircraft in An Khe, to permit rotation of the three aircraft between the two units, but a continuous shortage of aircraft on hand plus normal maintenance downtime disrupted the effort.

Emphasis during this period was on a new, intensified safety program, which has resulted in a zero accident rate thus far into the fiscal year. Areas that were strengthened include the Safety SOP, safety meetings, posters, bulletin boards, a required reading file, and a "Share It" program. A vigorous training program, with the completion of OH-6A Instructor Pilot training by two aviators; resulted in more than the minimum training hours required for each pilot. Three engine failures during training periods were successfully autorotated with no damage to the aircraft.

(1) Summary

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<tr>
<td>Hours Flown</td>
<td>392</td>
<td>175</td>
<td>570</td>
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<tr>
<td>Passengers Carried</td>
<td>2310</td>
<td>2095</td>
<td>2304</td>
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<tr>
<td>Cargo Carried</td>
<td>5 Tons</td>
<td>2 Tons</td>
<td>2 Tons</td>
</tr>
<tr>
<td>Sorties Flown</td>
<td>1133</td>
<td>1261</td>
<td>1154</td>
</tr>
</tbody>
</table>

Aircraft utilization continued to improve, with more efficient and better planning of missions by the artillery battalions. Non-productive time has remained low and needless orbiting time on artillery adjustment missions was reduced by having grids cleared and the howitzers ready to fire before the aircraft was launched. An attempt is being made to decrease the amount of cargo carried because this is not the mission for a IOH (Light Observation Helicopter) and it reduces the life of the sections new series aircraft.

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<tr>
<td>Percent Availability</td>
<td>83%</td>
<td>65%</td>
<td>82%</td>
</tr>
<tr>
<td>Percent NORS (EDP)</td>
<td>11%</td>
<td>5%</td>
<td>13%</td>
</tr>
<tr>
<td>Percent NORM</td>
<td>6%</td>
<td>7%</td>
<td>5%</td>
</tr>
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</table>

Aircraft availability has slowly climbed with each replacement of the new 68 series OH-6A, after the bugs are worked out of the new aircraft. The quantity and quality of the slave pack avionics system in the new series IOH is far superior to that of the earlier model, with increased range, greater reliability, and back up radios if one fails. The support maintenance facility now has its supply channels set up and a store of float radios available.

The past reporting period has seen a high increase in efficiency, quality, and work finished in quicker time by the direct support maintenance battalion. The parts situation for the OH-6A has been good except in a few cases for critical items. In these cases, the aircraft has usually been down for a considerable period of time for that critical part (i.e. 271 engine oil seals in Qui Nhon for a month). Aircraft maintenance has not been totally
adequate for the aircraft stationed forward because of the lack of facilities and water available. Continued emphasis on the quality of maintenance and crew chief training plus the addition of more aircraft on hand should result in continued high availability rates. Continued education for the supported units as to the efficient utilization of aircraft, safety procedures around aircraft and pads, and loading and unloading procedures of helicopters is planned.

b. Chaplain.

(1) For the quarter, 1 August 1969 - 31 October 1969, the Div Arty Chaplain Section submits the following record of its activities. The section consists of two chaplains (one Protestant and one Catholic) and two assistants. The major accomplishments were as follows:

(a) Conducted 32 Protestant Worship Services with a total attendance of 997 (including Memorial Services).

(b) Conducted 109 Catholic Masses and Services with a total attendance of 2610 (including Memorial Services).

(c) Made a total of 37 visits to men in the hospital.

(d) Made daily visits to troops located at base camp and an average of four visits weekly to men in forward fire bases.

(e) Attended three monthly conferences for chaplains.

(f) Conducted 24 Character Guidance classes, with a total attendance of 820.

(2) In addition to regular coverage of Div Arty units, the office provided coverage for the following units:

(a) 124th Signal Battalion (Companies A and C).
(b) War Dog Detachment.
(c) 278th Signal Company.
(d) 14th Battalion, 60th Artillery (Dusters).
(e) Company K, 75th Rangers.
(f) CA villages.
(g) Dragon Mountain personnel.
(h) Division units co-located with artillery units.

(3) The Div Arty Chapel was also used for special worship services, to include:

(a) 12 Jewish Services with a total of 129 in attendance.
(b) 13 Latter Day Saints Services with an attendance of 130.
(c) 12 Church of Christ Services with an attendance of 80.
c. Signal. During the reporting period, Division Artillery used the following means of communications: VHF and wire, secure and plain FM Radio, Radio Teletype, and messenger. The communications portion of the ORLL is divided into two parts: artillery communications, and base camp defense communications.

(1) Artillery communications:

(a) VHF and WIRE: Division Artillery operates no VHF systems, but uses VHF circuits provided by the Division Signal Battalion and the area system provided by the 43rd Signal Battalion. Primary VHF circuits include one to each forward direct support battalion, two to Group Artillery, and one circuit to subordinate Group Battalions when required. Local service is provided primarily by the base camp dial system. Wire hotlines are provided to the Fire Support Coordination Element, the Division Tactical switchboards, the 155 battalion headquarters, its operations center, and its FDC. Hotlines are provided to those locations required by TAC for base camp defense coordination. (See para b.)

(b) FM Radio: The following nets provided the majority of Div Arty FM communications during the reporting period: Div Arty Command Fire Alpha (Secure), Air-Ground, Survey, Sector Defense, and Base Camp Command (BCC) nets. A Command Fire Bravo frequency is also available when required.

(c) Radio Teletype: Div Arty maintains a 24 hour RATT net with subordinate battalions using AN/GRC-122 radio systems. This headquarters also operates a station in the Division Special Purpose net, providing an alternate RATT route to the artillery battalions co-located with the Brigades, who also operate stations in the Special Purpose Net. Mounted AN/GRC-122's are provided to the forward Div Arty CP (when activated), to Battalion TAC CP's (when activated), and to any artillery batteries operating beyond FM radio range.

(d) MESSENGER: Messengers are used within base camp extensively, and the forward areas as required.

(2) Base Camp Defense Communications: As Division Artillery has the additional mission of coordinating base camp defense operations, additional wire and radio communications are required for this purpose.

(a) Wire: The control center for base camp defense operations, ECC, has direct lines to G3, 4th Avn and 4th Med, the CG bunker, Dragon Mountain Switchboard, TPS-25 Radar, and a hot-loop to all sector control centers. Routine communications are provided by the dial system. Div Arty also installed and supervises maintenance of signal circuits from sensor devices installed around the base camp perimeter.

(b) FM radio: FM provides communications to the sector control centers, to patrols, villages, and aircraft in the base camp TAOR. Secure voice is used continuously.
d. Civil Affairs.

(1) Civic Actions.

(a) During the reported period, the Division Artillery S-5 had staff supervision of the Civil Affairs Teams of the 5/16th Artillery Battalion; Headquarters Battery, Division Artillery; 12th Signal Battalion; Headquarters Company, 16th Division and the 4th Military Police Company. These teams operated in the villages and hamlets within the south western sector of the 4th Division's Tactical Area of Responsibility.

(b) Continued emphasis has been placed on medical assistance projects to improve the health of the Montagnard people in the villages. Two village consolidations were immunized for plague for a total of 977 villagers. There were also 20 villagers immunized for smallpox.

(c) The new IR-5 rice introduced to the Montagnards was harvested and demonstrated to the people that the new rice was a fast growing rice with yields much greater than the Montagnards had expected. Plans are being made to replant suitable areas for a second crop.

(d) During this period there were 30 P3DF personnel from the village of Plei He By sent to Le Trung District for training. Upon completion of training, the villagers will become Popular Forces and will return to the village to provide security. Upgrading the P3DF to PF status is a step toward bringing the village under GVN control and qualifies the PF's to receive pay for their work.

(2) Psychological Operations.

(a) The Cultural Drama Team from Pleiku Province visited in the villages of the Division Artillery's Sector during this period. The themes presented were oriented toward Anti-VC, GVN Image and Village Development.

(b) One consolidated village was visited by an Audio-Visual movie team from Pleiku Province. Themes presented were oriented toward Anti-VC and GVN Image.

SECTION II (C) Lessons Learned: Commander's Observations, Evaluations, and Recommendations.

1. (U) Personnel: None.

2. (U) Intelligence: None.

3. (C) Operations:

a. Observation: Due to the requirement to split artillery batteries in order to increase coverage, it became necessary to provide batteries with
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AVPDD-AC

SUBJECT: Operation Report - Lessons Learned for the Period Ending 31 October 1969

additional FDC capabilities.

Evaluation: Medium artillery batteries are authorized one H577, heavy batteries two, and battalion operations two. The limited employment of a conventional battalion FDC permits the use of the battalion FDC by a firing battery during a split configuration or during a hip shoot. Use of the H577 permits greater flexibility, mobility, and faster employment in a firing position.

Recommendation: The H577 normally assigned to battalion operation be used whenever possible to assist firing units that are split.

b. Observation: Enemy elements use the noise of night firing programs to cover the noise of movement, in preparation of an attack on the firebase.

Evaluation: During the conduct of night firing programs there have been attacks on artillery firebases on two occasions during the reported period.

Recommendations:

1. Units do not set patterns (certain times) for night firing programs.
2. Night firing programs are not fired for extended periods without lulls.
3. Outposts be especially watchful during times of firing and immediately thereafter.
4. Organic infantry weapons (mortars) concentrate fire close to the perimeter during NF while the enemy is not observed.

Observation: Claymore mines (1281) are subject to observation by the enemy, detonation by lightning (causing friendly casualties) and displacement from aiming point when struck or the firing wires are pulled.

Evaluation: By fixing the claymore mine to the lid of a box, and burying the box so that the top is level with the ground, the above problems are eliminated. WDI/TI wire is used to raise the lid from the firing position as well as keep the lid vertical (see drawing). In case of detonation by lightning or accident, the blast is directed upward and the fragments into the ground. If an individual trips on the wire the mine is not displaced. The use of the box also prevents the enemy from observing the mine when in position and also reduces the possibility of turning the mine toward friendly troops. Waste oil is poured into and onto the wooden box to prevent deterioration by weather or insects.

To fire the mine, the lid is raised to the vertical position (by the WDI/TI) and the mine is fired.

Recommendation: That claymore mines be placed inside boxes as shown on page 19.
2. (U) Logistics.

Observation: Maintenance problem of SP howitzer are magnified when the howitzer remains in one position for extended periods of time and fires at a high rate.

Evaluation: On several occasions units have been ordered to displace after being in position in excess of 30 days. Seals, fuel pumps, suspension systems have developed problems during the move. Short road marches for howitzer have been adopted permitting simultaneous road test and exercise of the carriage.

Recommendation: That scheduled road tests be conducted on howitzer as often as tactically feasible.

5. (U) Training: None.

6. (U) Organization: None.

7. (U) Communications: None.

8. (U) Materials
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AVNED-AC

31 October 1969

SUBJECT: Operation Report - Lessons Learned for the Period Ending
31 October 1969 EEG C3FOR 65 (R1)

a. Observation: The Ix-5 rice crop at the village of 'Lei Klan Ngol was
80% destroyed by birds.

Evaluation: The new IR-5 rice which was introduced to the Montagnards
was highly successful in its growth cycle and reached maturity very close to
the scheduled date. The rice, having an earlier date of maturity than the
locally grown rice, offered an abundance of food for the birds in the sur-
rounding areas. Scarecrows were put out in the fields but were ineffective
against the birds. During the daytime, the villagers stayed around the fields
and kept the birds away. In the late evening when the people returned to
the village, the birds would converge on the rice field and steal the rice.

Recommendation:

(1) To delay planting the new rice to a time when the new rice would
mature at the same time as the locally grown rice. This would afford a greater
area for the birds to find food and they would not concentrate on just one rice
field.

(2) To develop a more effective scarecrow system to keep the birds
away.

b. Title: Fish Pond Construction.

Observation: Consideration was not made for the monsoon rains when a
fish pond was built in the village of Plei Klan Ngol, consequently, when the
heavy rains came, the dam was destroyed.

Evaluation: In an effort to construct a fish pond in the village of
Plei Klan Ngol, the dam was constructed across a rice paddy and a small stream
bed. A relatively large spillway was made to permit the overflow of water. The
fact that the Ca Team was unaware of the quantity of water which the stream
carries during the monsoon season was the reason for the destruction of the dam.

Recommendation: That fish ponds not be constructed across stream beds,
but along the edges of the stream where water will be available throughout
the year and where the dams will not be affected by the monsoon rains.

5 Inclosures
1. Artillery Task Organization
2. Commanders & Principal Staff
3. Ammunition Expenditures
4. Chronological Summary
5. Map of Division AO

Incl 2 and 4 wd HQ, DA

EDWARD F. GUIDEL, JR.
Colonel, FA
Commanding
AVDDH-GC-id (31 Oct 69) 1st Ind
SUBJECT: Operational Report of Division Artillery, 4th Infantry Division
for Period Ending 31 October 1969

DA, HEADQUARTERS 4TH INFANTRY DIVISION, APO SF 96262 11 November 1969

Commanding General, I Field Force Vietnam, ATTN: AVFD-GC-DISF, APO SF 96262

(U) This headquarters has evaluated and concurs with the Division Artillery
Operational Report - Lessons Learned.

FOR THE COMMANDER:

GORDON J. BRUWERIN
Colonel, GS
Chief of Staff
AVFA-GCHST (31 Oct 69) 2d Ind (U)

SUBJECT: Operational Report of Division Artillery, 4th Infantry Division for Period Ending 31 October 1969 RCS CSF-65 (HR)

DA, Headquarters, I Field Force Vietnam, APO 96350 6 DEC 1969

TO: Commanding General, United States Army Vietnam, ATTN: AVFA-GC-DST, APO 96375

(U) This headquarters has evaluated subject ORL and forwarding indorsement and concurs.

FOR THE COMMANDER:

FREDERICK E. HOLLA:

CP:
1 - CG, 4th Inf Div
1 - CO, 4th Inf Div Arty
TO: Commander in Chief, United States Army, Pacific, ATTN: GPOP-DT, APO 96558

1. This headquarters has reviewed the Operational Report-Lessons Learned for the quarterly period ending 31 October 1969 from Headquarters, 4th Infantry Division Artillery and comments of indorsing headquarters.

2. Comments follow:

   a. Reference item concerning "Claymore Mines", section II, page 18, paragraph 3c; concur. This is a method of employing claymore mines; however, it has limited application. The increased maintenance involved in keeping the device in operating condition negates its advantages. Claymores should be inspected and relocated daily. Their employment depends upon the enemy situation and is left to the discretion of the unit commander.

   b. Reference item concerning "IR-5 rice crops planting time", section II, page 20, paragraph 8a; concur. The recommendation is sound, however, the US Army is not in the agricultural assistance program. This should be coordinated with the USAID and Provincial Advisor teams at the local level.

   c. Reference item concerning "Fish Pond Construction", section II, page 20, paragraph 8b; concur. Coordination of such civic action projects should be initiated with CORDS and USAID advisors at province and district level and with the local GVN officials to solicit their advice and expertise on constructing projects of this nature. Guidelines on coordination of civic action projects are contained within existing directives and regulations.

FOR THE COMMANDER:

[Signature]
L. D. MURRAY
CPT, AGC
Assistant Adjutant General

Gy Furn.
4th Inf Div Arty
I FPOMIV
GPOP-DT (31 Oct 69) 4th Ind (U)
SUBJECT: Operational Report of HQ, 4th Infantry Division Artillery for Period Ending 31 October 1969, RCS CSGOR-65 (R2)

HQ, US Army, Pacific, APO San Francisco 96558 4 FEB 1970

TO: Assistant Chief of Staff for Force Development, Department of the Army, Washington, D.C. 20310

This headquarters concurs in subject report as indorsed.

FOR THE COMMANDER IN CHIEF:

C. L. SHORT
CPT, AGC
Am AG
1. (C) Artillery Task Organization as of 1 August 1969.

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<th>1st Bde</th>
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<td>A/1h-12 GS</td>
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**Base Camp**
- HMB 1/2 Artillery
- 5-16th (-) Arty
- 6-14th Arty (3-155)
- BC Btry (6-105) (2-105 ex DB Arty)
- 3-14.2 Mortars
- 3-15mm Mortars

**Div Arty**
- 5-16 Arty GS
- 6-14th Arty GS
- 6-14th Arty GS (2-105 ex DB Arty)
- 3-15mm Mortars

**Supporting Artillery**
- 52d Arty Op
- 6-14th Arty GS
- 6-14th Arty GS
- A/2-17th Arty GS
- A/2-17th Arty GS
- C/7-15th Arty GS

2. (C) Supporting Artillery

**IFFV Arty**
- B/4-60th AW (M12)
- B/4-60th (-) AW (M12)
- B-29 SIT

3. On 2 Aug 69, B/5-16 moved two tubes from Weigt-Davis Quarry (AR905114) to LZ St. George (AR851919), GSR 2-9.

4. On 3 Aug 69, A/1-92 moved two tubes from Dak To FSB 1 (ZB00416) to Arty Hill (ZA225035), GS.

5. On 4 Aug 69, B/6-14 moved two 175’s from Dak To FSB 1 (ZB00416) to FSB 12 (YB873257), GS.

6. On 5 Aug 69, B/5-16 moved two tubes from LZ Patsy (ZA030215) to LZ Bridgit (ZB051564), DS 2-35.

7. On 6 Aug 69, B/5-16 moved one tube from Weigt-Davis Quarry (AR905114) and two tubes from LZ St. George (AR851919) to LZ Oasis (Z1143257), GSR 2-9.

8. On 6 Aug 69, B/5-16 moved four tubes from LZ Patsy (ZB030215) to LZ Meredith (Z915377), DS 2-35.

9. On 7 Aug 69, A/2-9 moved two tubes from Arty Hill (ZA225035) to LZ Bison II (Z198357), GS.

10. On 8 Aug 69, C/7-15 moved one 175 from LZ Blackhawk (BR035535) to LZ Schmoller (HE364456), GS.

Incl 1

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11. On 9 Aug 69, A/1-92 moved 4 tubes from LZ Elaine (YA863262) to LZ Bison II (YA89357), GS.

12. On 11 Aug 69, A/2-9 moved 2 tubes from LZ Track (ZA015164) to LZ Meredith (YA91677).

13. On 12 Aug 69, A/2-9 moved 2 tubes from LZ St. George (AR855114) to LZ Sylvia (AR805211h).

14. On 12 Aug 69, B/2-9 moved 2 tubes from LZ 73rd (ZA015164) to LZ Meredith (YA916277).

15. On 14 Aug 69, A/2-9 moved 2 tubes from LZ Mary Lou (ZA228838) to LZ Sylvia (AR805211h).

16. On 16 Aug 69, C/4-42 moved 3 tubes from LZ Mary Lou (ZA228838) to LZ No Slack (YA897060) to Mary Lou (ZA228838).

17. On 17 Aug 69, B/6-29 moved 2 tubes from LZ Maredith (YA916277) to LZ Action (BR229386). A/2-9 moved 2 tubes from LZ Sylvia (AR805211h) to LZ Action (BR229386).

18. On 18 Aug 69, B/6-29 moved 2 tubes from LZ Taughla (YA866917) to LZ Buffalo WV (PA003141).

19. On 19 Aug 69, C/4-42 moved 3 tubes from LZ Amelie (BR477595) to LZ Hard Times (BR613606) and 2 tubes from LZ Amelie (BR477595) to LZ Action (BR229386).

20. On 20 Aug 69, B/2-9 moved 2 tubes from LZ Maredith (YA916277) to LZ Lynta (YA866917).

21. On 21 Aug 69, A/2-9 moved 2 tubes from LZ Gypsy (ZA060416) to LZ Buffalo IV (PA003141).

22. On 22 Aug 69, A/2-9 moved 2 tubes from LZ Gypsy (ZA060416) to LZ Buffalo IV (PA003141).

23. On 23 Aug 69, C/4-42 moved 3 tubes from LZ Amelie (ZA228838) to LZ Ruth (ZA160530). A/2-9 moved 2 tubes from LZ Track (ZA015164) to LZ Action (BR229386). A/2-9 moved 2 tubes from LZ Sylvia (AR805211h) to LZ Action (BR229386).

24. On 25 Aug 69, B/2-9 moved 2 tubes from LZ Tappy (BR536604) to LZ Aot oz (BR266411).

25. On 26 Aug 69, B/6-29 moved 3 tubes from LZ Mary Lou (ZA228838) to LZ Action (BR229386). A/2-9 moved 2 tubes from LZ Sylvia (AR805211h) to LZ Action (BR229386).
25. On 26 Aug 69, A/1-92 moved 2 tubes from LZ Bison II (YA89637) to New Plei Djereng (YA073857).

26. On 27 Aug 69, A/5-16 moved 2 tubes from LZ Convoy (YA057313) to Plei Me (ZA155065).

27. On 29 Aug 69, A/2-9 moved 2 tubes from LZ St. George (YA054144) to LZ Barbara (YA680260).

28. On 30 Aug 69, A/2-9 moved 2 tubes from LZ Barbara (YA760260) to LZ St. George (YA851144).

29. On 31 Aug 69, C/6-14 moved one 175 from LZ Mary Lou (ZA228838) to LZ Thunder (ZA143897) and returned to LZ Mary Lou. C/1-92 moved 4 tubes from Plei Djereng (ZA116673) to Arty Hill (ZA228838).

30. On 1 Sept 69, B/6-29 moved 3 tubes from LZ Jo Ann (BR239309) to LZ Caster (BR162333). C/5-16 moved 2 tubes from LZ Action (BR264470) to Camp Radcliff (BR165567). C/1-92 airlifted 2 tubes from Plei Djereng to KMT. C/2-17 airlifted 2 tubes from Camp Radcliff to KMT (AQ803016).

31. On 1 Sept 69, C/6-14 made a one-gun shoot from LZ Mary Lou (ZA228838) to LZ Thunder (ZA143897) and returned.

32. On 2 Sept 69, C/1-92 moved 2 tubes from Arty Hill to Ban Me Thuot. A/1-92 moved 2 tubes from Bison II (YA096377) to Old Plei Djereng (YA065531).

33. On 3 Sept 69, B/6-29 moved 3 tubes from LZ Caster (BR162333) to LZ Tarzan (BR200300).

34. On 5 Sept 69, B/2-9 moved 2 tubes from LZ Lynne (YA066133) to LZ Meredith (YA080277). B/6-29 moved 2 tubes from LZ Jo Ann (BR239309) to LZ Tarzan (BR200300). A/5-16 moved 2 tubes from Plei Me (ZA155065) to Camp Enari (YA179337). C/2-9 moved 2 tubes from LZ Buffalo IV (YA034411) to LZ Gypsy (ZA66048).

35. On 6 Sept 69, A/5-16 moved 2 tubes from Camp Enari (YA793337) to LZ Gypsy (ZA66048). A/3-6 moved two tubes from Ben Het to Arty Hill. C/7-15 moved one 175 from LZ Schueller (BR36748) to LZ Action (BR264470).

36. On 7 Sept 69, B/6-29 moved 2 tubes from LZ Tarzan (BR200300) to LZ Mattie (BR25230). B/1-92 moved 2 tubes from LZ St. George (YA851144) to LZ Mary Lou (ZA228838). B/1-92 moved 2 tubes from FSB 6 (IB935180) to LZ Mary Lou (ZA228838).

37. On 8 Sept 69, B/1-92 moved 2 tubes from LZ Mary Lou (ZA228838) to LZ Action (BR264470).

38. On 9 Sept 69, 3/1-92 moved 2 tubes from LZ Action (BR264470) to LZ Mattie (BR25230).
39. On 10 Sept 69, D/5-16 moved 2 tubes from LZ Oasis (ZA11275) to LZ Hard Times (BR613606). D/5-16 moved 1 tube from Rock Quarry (ZA055556) to LZ Gypsy (ZA068556). C/5-16 moved 2 tubes from Camp Radcliff (BR656567) to LZ Hard Times (ZA613606). A/2-17 moved 2 tubes from Camp Radcliff (BR656567) to LZ Hard Times (ZA613606). A/4-42 moved 2 tubes from LZ Joyce (ZA195685) to LZ Duke (ZA235762).

40. On 11 Sept 69, C/6-29 moved from LZ Denise (BR520512) to FSB Larry (BR259766). C/6-29 moved 3 tubes from LZ Patricia (BR383425) to LZ Denise (BR520512).

41. On 13 Sept 69, A/5-16 moved 3 tubes from LZ Steve (AR855556) to LZ Polly (BL68991). C/4-42 moved 3 tubes from Arty Hill to LZ Polly (BR002610). C/2-9 moved 2 tubes from LZ Gypsy (ZA068568) to LZ Oasis (ZA111275).

42. On 14 Sept 69, B/6-29 moved 2 tubes from Base Camp Guns (ARB09354). One tube went to LZ Hard Times (BR613606). The other was sent to 704th Maint at An Khe.

43. On 17 Sept 69, B/4-42 moved two tubes from LZ Pamela (ZA065701) to LZ Penny (ZA113722).

44. On 18 Sept 69, A/2-9 moved 3 tubes from LZ Melody (AR995196) to LZ St. George (AR151275).

45. On 20 Sept 69, A/3-6 moved 2 tubes from Arty Hill (ZA224533) to LZ Joyce (ZA195685). A/4-42 moved 2 tubes from LZ Duke (ZA235762) to LZ Ruth (ZA168530). A/4-42 moved 3 tubes from LZ Joyce (ZA195685) to LZ Ruth (ZA168530). C/4-42 moved 3 tubes from LZ Ruth (ZA168530) to An Khe (BR66567). A/5-16 moved 3 tubes from LZ Polly (BR002610) to Rock Quarry (ZA055556). C/4-42 moved 3 tubes from LZ Polly (BR602610) to An Khe (BR66567). C/6-29 moved 2 tubes from LZ Penny (BR256765) to LZ Cecil (BR290610).

46. On 21 Sept 69, B/4-42 moved from LZ Penny (ZA113722) to LZ Mary Lou (ZB226338). C/4-42 moved from An Khe (BR66567) to LZ Hard Times (BR613606). A/2-17 moved 2 tubes from LZ Hard Times (BR613606) to An Khe (BR66567).

47. On 23 Sept 69, C/7-15 moved one 175 from LZ Action (BR264670) to LZ Blackhawk (BR255535). A/4-42 moved 2 tubes from LZ Ruth (ZA168530) to Plei Krong (BR13675).

48. On 24 Sept 69, C/6-29 moved from LZ Mettie (BA225238) to LZ Yna (BR348309). B/4-42 moved from LZ Mary Lou (ZB268306) to LZ English (ZA103691). A/1-92 moved 1 tube from Plei Djereng (BA373457) to Biso IV (BA395385).

49. On 25 Sept 69, B/1-92 moved 2 tubes from LZ Mettie (BR225238) to Camp Radcliff (BR656567). A/6-29 moved 3 tubes from LZ Denise (BR50512) to Camp Radcliff (BR656567). A/6-29 moved 3 tubes from LZ Patricia (BR383425) to Camp Radcliff (BR656567). B/6-29 moved 3 tubes from LZ Yna (BR348309) to LZ Patricia (BR383425).
50. On 26 Sept 69, A/6-29 moved 3 tubes from Camp Radcliff (3R465467) to LZ Hard Times (BR613606). C/6-29 moved 2 tubes from FSB Oasis (ZA114275) to LZ Gypsy (3R465467). B/6-29 moved 3 tubes from LZ Yac (3R465302) to Camp Radcliff (3R465467). B/6-29 moved 3 tubes from LZ Hard Times (BR613606) to LZ Sheridan (BR691559). B/1-92 moved 2 tubes from Camp Radcliff (3R465467) to Arty Hill (ZA228533).

51. On 27 Sept 69, B/1-92 moved 2 tubes from Arty Hill (ZA228533) to Ben Hat (YB073285). B/5-16 moved 2 tubes from Weigt-Davis Quarry (AR896116) to LZ Joon (ZB102251). B/6-29 moved 3 tubes from Camp Radcliff (BR6465467) to LZ Denise (BR520512). B/4-12 moved 3 tubes from LZ Ruth (ZA168530) to FSB Mong (ZA115673). C/6-6 moved 2 tubes from LZ Elledge (BR6585665) to LZ Plantation (ZB109165) and returned to LZ Elledge (ZB105605). A/1-92 moved 2 tubes from LZ Bison II (YA896357) to New Plei Djereng (YA873457).

52. On 26 Sept 69, A/1-92 moved 2 tubes from New Plei Djereng (YA873457) to Old Plei Djereng (YA865531). A/2-9 moved 2 tubes from LZ St. George (AR896114) to Weigt-Davis Quarry (AR896116). A/6-29 moved 2 tubes from Camp Radcliff (BR6465467) to FSB Sheridan (AR691560).

53. On 29 Sept 69, B/5-16 moved 2 tubes from LZ Joan (YA612251) to Old Plei Djereng (YA865531). C/1-92 moved 2 tubes from Ben Hat (YB073285) to Arty Hill (ZA228533). A/6-11 moved one 8-inch from New Plei Djereng (YA873457) to Old Plei Djereng (YA865531).

54. On 30 Sept 69, B/5-16 moved 1 tube from LZ Joan (YA612251) to Old Plei Djereng (YA865531).

55. On 1 Oct 69, C/6-11 moved One 8-inch from LZ Mary Lou (ZA228633) to ZB153315.

56. On 3 Oct 69, C/2-9 moved 2 tubes from Weigt-Davis Quarry (AR896116) to LZ St. George (AR896114) to LZ Mary Lou (ZA228633).

57. On 4 Oct 69, C/6-11 moved 2 tubes from LZ Action (BR266470) to BR186519 and returned to LZ Action. A/2-9 moved 2 tubes from LZ St. George (AR896414) to ZA656895.

58. On 5 Oct 69, A/1-92 moved 2 tubes from Old Plei Djereng (YA865531) to LZ Bison II (YA896357). C/6-29 moved 2 tubes from LZ Cecil (BR290680) to BR168606. A/5-6 moved 2 tubes from LZ Joyce (ZA195685) to Arty Hill (ZA228533). C/6-11 moved one 8-inch from LZ Plantation (ZB109165) to LZ Mary Lou (ZA228633).

59. On 6 Oct 69, A/3-6 moved 2 tubes from Arty Hill (ZA288533) to ZA212730 and returned to Arty Hill (ZA288533).

60. On 7 Oct 69, B/5-16 moved 1 tube from Base Camp (AR796340) to LZ Bison II (YA896357). A/3-6 moved 2 tubes from Arty Hill (ZA228533) to ZA212730 and returned to Arty Hill (ZA228533). A/5-16 moved 1 tube from Rock Quarry (ZA057313) to Base Camp (AR796340). C/7-15 moved one
8-inch from LZ Blackhawk (BRO35535) to LZ Action (BR285479). A/5-16 moved 2 tubes from stock (A/207457) to LZ Joan (Y8622951). A/1-92 moved 2 tubes from LZ Bison II (Y8962257) to LZ Joyce (Y862251). A/6-14 moved one 8-inch from LZ Djereng (Y0673185) to LZ Djereng (Y865531). B/5-16 moved 2 tubes from LZ Joan (Y862251) to LZ Bison II (Y86537).

61. On 9 Oct 69, A/3-6 moved 2 tubes from LZ Blackhawk (ZB28533) to LZ205723 and returned to Arty Hill. B/2-7 moved 3 tubes from LZ Meredith (Y4291727) to LZ Oasis (ZA114275). C/6-29 moved 4 tubes from LZ Larry (BR260765) to LZ Armageddon (BR20645). 3/5-16 moved 3 tubes from LZ Bison II (YA096357) to Old Plei Djereng (Y865531).

62. On 9 Oct 69, C/1-92 moved 2 tubes from LZ Blackhawk (ZB28533) to LZ Trung Vie (BR851485). A/3-6 moved 2 tubes from Arty Hill (ZB28533) to ZA195685 and returned to Arty Hill. C/6-29 moved 2 tubes from LZ Larry (BR260765) to LZ Armageddon (BR20645).

63. On 10 Oct 69, C/1-92 moved 2 tubes from 704th Maintenance at Camp Radcliff (MC20645) to LZ Hard Times (BR52060). C/1-92 moved 2 tubes from Arty Hill (ZB28533) to LZ Hard Times (BR52060). A/3-6 moved 2 tubes from LZ Blackhawk (ZB28533) to LZ Hard Times (BR52060). A/3-6 moved 2 tubes from Arty Hill (ZB28533) to ZA195685. B/6-14 moved one 8-inch from LZ Hard Times (BR52065) to LZ Armageddon (BR20645). A/2-9 moved 2 tubes from LZ Hard Times (BR52065).

64. On 11 Oct 69, A/3-6 moved 2 tubes from LZ Blackhawk (ZB28533) to ZA195685 and returned to Arty Hill (ZB28533). A/2-9 moved 2 tubes from LZ Brenda (MC465467) to MC42065.

65. On 12 Oct 69, A/3-6 moved 2 tubes from LZ Blackhawk (ZB28533) to LZ Joyce (ZB195685) and returned to Arty Hill (ZB28533). D/6-16 moved 2 tubes from LZ Oasis (ZA114275) to Old Plei Djereng (Y865531).

66. On 13 Oct 69, A/3-6 moved 2 tubes from LZ Blackhawk (ZB28533) to LZ Joyce (ZB195685) and returned to Arty Hill.

67. On 14 Oct 69, A/3-6 moved 2 tubes from LZ Blackhawk (ZB28533) to LZ Joyce (ZB195685) and returned to Arty Hill (ZB28533).

68. On 15 Oct 69, A/3-6 moved 2 tubes from LZ Blackhawk (ZB28533) to LZ Joyce (ZB195685) and returned to Arty Hill (ZB28533). C/6-29 moved 3 tubes from FSB Armageddon (BR520512) to LZ Denise (BR520512). A/5-16 moved 2 tubes from LZ Joan (Y862251) to LZ Mercedes (Y862277). B/2-9 moved 2 tubes from LZ Denise (BR520512) to LZ Gypsy (BR607485).

69. On 16 Oct 69, B/6-29 moved 3 tubes from LZ Patricia (BR30645) to Camp Radcliff (MC465467). C/6-29 moved 3 tubes from FSB Armageddon (BR520512) to LZ Patricia (BR30645). B/2-9 moved 2 tubes from LZ Gypsy (BR607485) to LZ Joa (Y862251). A/2-9 moved 2 tubes from LZ Blackhawk (ZB28533) to LZ Joyce (ZB195685) and returned to Arty Hill (ZB28533).
70. On 17 Oct 69, A/3-6 moved 2 tubes from Arty Hill (ZA228533) to LZ Joyce (ZA195685). C/2-9 moved 4 tubes from LZ Gypsy (Z160285) to 014 'Plej Djereng (YA67531).

71. On 16 Oct 69, A/3-6 moved 2 tubes from Arty Hill (ZA228533) to 200727. C/2-9 moved 2 tubes from LZ Gypsy (Z160285) to 014 'Plej Djereng (YA67531). C/7-15 moved one 8-inch from LZ action (BR669470) to 62d Maint.

72. On 19 Oct 69, A/3-6 moved 2 tubes from Arty Hill (ZA228533) to ZA213712. B/6-29 moved 5 tubes from Camp Radcliff (Z1665167) to Old 'Plei Djereng (YA67531). C/7-15 moved one 8-inch from 62d Maint to 'Plei Krong (ZA116643). C/4-42 moved 2 tubes from LZ Hard Times (TR613637) to BR692263.

73. On 20 Oct 69, A/3-6 moved 2 tubes from Arty Hill (ZA228533) to LZ Joyce (ZA195685). D/6-29 moved from Old 'Plei Djereng (YA67531) to LZ Delta (TA935585).

74. On 21 Oct 69, A/3-6 moved 2 tubes from Arty Hill (ZA228533) to ZA211730. C/4-42 moved 2 tubes from LZ Chris (BR692263) to LZ Hard Times (TR613637).

75. On 22 Oct 69, A/3-6 moved 2 tubes from Arty Hill (ZA228533) to ZA211730.

76. On 23 Oct 69, A/3-6 moved 2 tubes from Arty Hill (ZA228533) to LZ Wooly Bully (AR765516).

77. On 25 Oct 69, A/3-6 moved 2 tubes from LZ Wooly Bully (AR765516) to LZ Mary Lou (ZA228038).

78. On 26 Oct 69, A/3-6 moved 2 tubes from LZ Mary Lou (ZA228038) to Arty Hill (ZA228533). D/5-16 moved 1 tube from LZ Hard Times (TR613637) to LZ Schueller (BR357456).

79. On 27 Oct 69, A/5-29 moved 3 tubes from FSB Sherida (BR668560) to Camp Radcliff (Z1665167). A/3-6 moved 2 tubes from Arty Hill (ZA228533) to ZA213731. C/7-15 moved 1 tube from 'Plei Krong (ZA116643) to 62d Maint. C/4-42 moved from LZ Hard Times (TR613637) to Camp Radcliff (Z1665167). A/2-9 moved 2 tubes from LZ St. George (AR051344) to LZ Sylvia (AR052134).

80. On 28 Oct 69, A/3-6 moved 2 tubes from Arty Hill (ZA228533) to ZA201707. A/6-29 moved 2 tubes from FSB Sherida (BR668560) to LZ Hard Times (TR613637).

81. On 29 Oct 69, A/3-6 moved 2 tubes from Arty Hill (ZA228533) to ZA200707. A/6-29 moved 2 tubes from LZ Hard Times (TR613637) to Camp Radcliff (Z1665167). C/5-16 moved from LZ Hard Times (TR613637) to Camp Radcliff (Z1665167).

82. A/3-6 moved 2 tubes from Arty Hill (ZA228533) to ZA192608. C/4-42 moved from Camp Radcliff (Z1665167) to LZ Two Bits (BR041994). C/1-72 moved 2 tubes from LZ Tung (AB064028) to Man Me Thaut (AQ630218). A/6-29 moved 2 tubes from Camp Radcliff (Z1665167) to LZ Denise (BR520512).

83. On 31 Oct 69, A/3-6 moved 2 tubes from Arty Hill (ZA228533) to ZA1797680. C/6-1L moved one 8-inch from LZ Mary Lou (ZA228038) to AR776999. C/7-15 moved one 8-inch from 62d Maint to 'Plei Krong (ZA116643). A/6-29 moved 1 tube from Camp Radcliff (Z1665167) to LZ Denise (BR520512).
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**AVMDD-AC**

**SUBJECT:** Operation Report - Lessons Learned for the Period Ending 31 October 1969 (RGS - OSFOR -65 (RI))

Ammunition Expenditures (1 Jan 69 - 31 Oct 69)

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**Incl 3**

**GRAND TOTAL** 366,592

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Map of Division AO at the end of Reporting Period

- Kontum
- Mary Lou
- Larry
- Hard Times
- Plei Krong
- Chu Pa
- Arty Hill
- Plei Djereng
- Pleiku
- Blackhawk
- Can Khe
- Camp Enari
- Oasis

- Ban Biech
- Ban Me Thuot

[Map showing locations and distances]
Operational Report - Lessons Learned, HQ, 4th Infantry Division Artillery

Experiences of unit engaged in counterinsurgency operations, 1 Aug 69 to 31 Oct 69.

CO, 4th Infantry Division Artillery

31 October 1969

N/A

N/A

N/A

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