

~~CONFIDENTIAL~~

HEADQUARTERS
1st Engineer Battalion
1st Marine Division (Rein), FMF
FPO San Francisco, California 96602

3:RCJ:mhs
5750
Ser. No. 17-67
10 August 1967

From: Commanding Officer
To: Commanding General, First Marine Division (Rein), FMF

Subj: Command Chronology for period 1 July to 31 July 1967

Ref: (a) MCO 5750.2
(b) FMFPACO 5750.8
(c) DivO 5750.2B

Encl: ✓(1) 1st Engineer Battalion Chronology

1. In accordance with the provisions of reference (a), (b), and (c), enclosure (1) is submitted herewith.


J. M. MACKENZIE

Approved by the Director of
Corps History and Museums
in accordance with the provisions
of Ltr Ser 009D323/232095 of
1979
Signature Date 7/18/67

UNCLASSIFIED

DOWNGRADED AT 3 YEAR INTERVALS
DECLASSIFIED AFTER 12 YEARS
DOD DIR 5200.10

DECLASSIFIED

~~CONFIDENTIAL~~

1ST ENGINEER BN

CMD CHRON

July 1967

1st ENGINEER BATTALION

COMMAND CHRONOLOGY

1 July 1967 to 31 July 1967

PART I	Organizational Data
PART II	Narrative Summary
PART III	Sequential Listing of Significant Events
PART IV	Supporting Documents

UNCLASSIFIED

DOWNGRADED AT 3 YEAR INTERVALS,
DECLASSIFIED AFTER 12 YEARS.
DOD DIR 5200.10

~~CONFIDENTIAL~~

PART I

ORGANIZATIONAL DATA1. DESIGNATIONCOMMANDER

1st Engineer Battalion

Major J.M. MACKENZIE

25May67 - Present

SUBORDINATE UNITS

H&S Company (-)

Capt H.A. MORGAN III

15Mar67 - 5Jul67

Capt R.W. FALKENBACH

5Jul67 - Present

Support Company (-)

Maj E.J. TOWNSEND

18Jun67 - Present

Company "A" (Rein)

Capt H.E. TCHKAWICH

3Sep66 - Present

Company "B" (-)(Rein)

Capt R.W. FALKENBACH

8Sep66 - 5Jul67

Capt H.A. MORGAN III

5Jul67 - Present

Company "C"

Capt H.L. LUTTRELL

8Sep66 - Present

2. LocationBattalion minus Company
"B" (-)(Rein)

21April67 - 31Jul67

DaNang, RVN

Company "B" (-)(Rein)

1Jul67 - 31Jul67

Nui Huong Que, RVN
(Hill 63)3. Staff Officers

Executive Officer

Maj E.J. TOWNSEND

25Jan67 - Present

Sergeant Major

SgtMaj F.C. TOMON

29Nov66 - Present

S-1/Adjutant

2nd Lt. J. MOUTON

14Dec66 - Present

S-2

1st Lt. C.J. FRANKLIN

16Jun67 - Present

S-3

Maj R.C. JONES

26Jun67 - Present

S-4

Capt L.R. CORNWELL

14Mar67 - Present

Supply Officer

Capt T.F. BYRNE

7Sep66 - Present

Comm Officer

GySgt J. STOUT

26Jun67 - 12Jul67

2nd Lt. E.G. POULIN

12Jul67 - Present

Medical Officer

Lt J.A. BACKER, USNR

8Aug66 - Present

M.T. Officer

1st Lt J.T. WYNN

24Aug66 - Present

UNCLASSIFIED

DOWNGRADED AT 3 YEAR INTERVALS
 DECLASSIFIED AFTER 12 YEARS.
 DOD DIR 5200.10

~~CONFIDENTIAL~~
Engineer Equipment
Officer

2nd Lt. MACKY

25Aug66 - Present

Utilities Officer

2nd Lt. R. C. BENSON

1Jul67 - Present

Construction Officer

WO D.D. TAPLEY

28Jun67 - Present

4. Average Monthly Strength

OFF
30

USMC

ENL
710

OFF
2

USN

ENL
13

PART II

NARRATIVE SUMMARY

The 1st Engineer Battalion, minus "B" Company (-)(Rein), was in general support of the 1st Marine Division in the 1st Marine Division TACR. Combat Engineer Companies, reinforced by elements of Headquarters and Service Company and Support Company, were moderately committed to combat support missions during this period while simultaneously accomplishing various types of construction and maintaining their respective mine road sweeps. This Battalion (-) also supported Operations' ELLIOT, PECOS, and numerous small unit search and destroy operations and rough rider convoys. During the month of July a total of 1,860,000 meters of roads were swept for mines in the 1st Marine Division TACR and three minefields were cleared on top of Monkey Mountain for the U.S. Air Force. "B" Company (-)(Rein) was in direct support of the 5th Marine Regiment.

PART III

SEQUENTIAL LISTING OF SIGNIFICANT EVENTS1. Personnela. Gains and losses

During entire month

Joined 6 Marine officers; 49
enlisted;
Dropped 58 enlisted.

2. Intelligence

a. Road recons

(1) Conducted engineer reconnaissance from BT 135455 to BT 081390 to gather essential information on equipment and material required to repair, reopen, and upgrade Route 535.

DOWNGRADED AT 3 YEAR INTERVALS;
DECLASSIFIED AFTER 12 YEARS.

UNCLASSIFIED

2

DDO DIR 5200.10

~~CONFIDENTIAL~~
~~CONFIDENTIAL~~

(2) Conducted engineer reconnaissance from BT 212553 to BT 096565 to gather essential information on equipment and material required to reopen Route 14 west.

b. Weather

(1) Hot and humid; no adverse effect on engineer efforts.

c. Enemy Ordnance

(1) Discovered and destroyed 18 box mines during routine sweeps in the 1st Marine Division TAOR.

Ref: SitReps for month of July 1967

(2) Total enemy ordnance destroyed during this period:

<u>AP Mines</u>	<u>Box Mines</u>	<u>Z-10</u>	<u>Russian made Rocket (small caliber)</u>
5	18	7	1
<u>Punji Pit</u>	<u>Chi Com Grenades</u>		
6	3		

Ref: SitReps for month of July 1967

CO "A" Co AA Rpt BJM/ljj over 3480 of 26Jul67

CO "A" Co AA Rpt BJM/ljj over 3480 of 13Jul67

d. Tunnel/Cave/Bunker/Fighting Hole Destruction

(1) The following tunnels/caves/bunkers/ fighting holes were destroyed during operations:

- (a) 3 tunnels
- (b) 36 caves
- (c) 48 bunkers
- (d) 5 spider holes

Ref: SitReps for month of July 1967

CO "A" Co AA Rpt BJM/ljj over 3480 of 5Jul67

CO "A" Co AA Rpt BJM/ljj over 3480 of 13Jul67

CO "A" Co AA Rpt BJM/ljj over 3480 of 25Jul67

CO "A" Co AA Rpt BJM/ljj over 3480 of 30Jul67

CO "A" Co AA Rpt BJM/ljj over 3480 of 31Jul67

e. Other Ordnance

(1) The following types and quantities of U.S. ordnance were destroyed:

<u>M-26</u>	<u>M79</u>	<u>8" Round</u>	<u>155mm</u>	<u>60mm</u>	<u>105mm</u>	<u>81mm</u>	<u>3.5 Rounds</u>	<u>250 lb. Bombs</u>
5	2	2	5	8	15	4	16	1
<u>M16</u>	<u>.50 Cal.</u>	<u>.30 Cal.</u>						
3	250 rds	250 rds						

3
 DOWNGRADED AT 3 YEAR INTERVALS
 DECLASSIFIED AFTER 12 YEARS.
 DOD DIR 5200.10

UNCLASSIFIED

Ref: CO "A" Co AA Rpt BJM/ljj over 3480 of 13Jul67
 CO "A" Co AA Rpt BJM/ljj over 3480 of 26Jul67
 "B" Co SitReps for July 1967

3. Training

a. Demolitions, Landmine Warfare and Viet Cong Boobytrap School graduated 308 infantry, 101 engineers and 8 from other units.

Ref: SitReps for month of July 1967
 CO 1st Engr. Bn. ltr RCJ/gla over 3435 of 31 July 1967

b. Demolitions, Landmine Warfare and Viet Cong Boobytrap School conducted a special class on mine detection procedures and setting non-electric demolition charges for 15 personnel of 1st Shore Party Battalion on 18 July 1967.

Ref: SitRep 200-67

c. Demolitions, Landmine warfare and Viet Cong Boobytrap School conducted a special class on setting demolition charges and using the M18A1 Claymore mine for 60 Marines from 1st Recon Battalion on 26 July 1967.

d. Demolitions, Landmine Warfare and Viet Cong Boobytrap School conducted a special class for 30 Marines from Headquarters Battalion, 1st Marine Division on military explosives on 31 July 1967.

e. Utilities Platoon, Support Company held a special five day period of instruction on operation and maintenance of the 5kw generator for 6 Marines from 3rd Battalion, 1st Marine Regiment from 17 July to 21 July 1967.

Ref: CG 1stMarDiv msg 130413ZJul67

f. 30 officers and 26 staff noncommissioned officers from 1st Engineer Battalion received instruction on flame fougasse devices.

Ref: CO 1st Engr. Bn. ltr 3/RCJ/ess over 8000 of 28Jul67

5. Operations

Operation ELLIOT
 5 July to 7 July 1967

One officer and 22 engineers from "A" Co. supported the 1st Marine Regiment on a Regimental size search and destroy operation.

Operation PECOS
 20 July to 27 July 1967

Ref: CO "A" Co AA Rpt BJM/ljj over 3480
 One officer and 22 engineers supported the 7th Marine Regiment on a regimental size search and destroy operation.

Ref: CO "C" Co AA Rpt CMS/hle over 3480
 of 4Aug67

UNCLASSIFIED

~~CONFIDENTIAL~~

5. Water Supply

During this reporting period, the Battalion operated ten water points and eleven shower points, which produced 3,703,000 gallons of potable water and 620,000 gallons of shower water.

Ref: SitReps for month of July 1967

6. Roads

a. Constructed access road from Route 1 to 5th Marine Regiment Command Post. Hauled 2,894 cubic yards of fill and completed 1600 meters of road.

Ref: Weekly report to DEO.

b. Reopened Route 14 west for wheeled vehicle traffic from Hill 65 to Hill 52.

Ref: Division Work Order number D296-67

7. Other Construction

a. During this period, units of the Battalion completed the following Division originated work orders:

- (1) Provided engineer assistance to relocate ammo bunkers at 2nd Battalion, 7th Marines patrol base camp.
- (2) Painted two signs for Headquarters Battalion Special Services.
- (3) Modified messhall roof at 2nd Battalion, 1st Marines to obtain better ventilation.
- (4) Constructed jeep and trailer park and turn area for 11th Marines.
- (5) Designed and constructed wooden helicopter platform for 1st Recon Battalion on Hill 452.
- (6) Delivered 800 feet of culvert and bolts to 2nd Battalion 5th Marines.
- (7) Constructed grease trap at 1st Battalion, 1st Marines.
- (8) Constructed 300 meter rifle range at 2nd Battalion, 1st Marines.
- (9) Graded and shaped access roads, parking lot, and helicopter landing pad for 7th Marine's CP.
- (10) Constructed storage shed for training aids library at Headquarters Battalion
- (11) Provided backhoe to construct 2100 meters of trenchlines at 3rd Battalion, 7th Marines patrol bases.
- (12) Assembled four (4) three hole heads and constructed four urinals for 5th Marines (Rear).
- (13) Built three burn barrels for Division Adjutant.
- (14) Staged materials for tent decks for 5th Marines.
- (15) Improved impact area at 11th Motor Transport Battalion.
- (16) Constructed ten urinals for 2nd Battalion, 7th Marines.
- (17) Constructed eight urinals for Headquarters Battalion.
- (18) Inspected Butler Buildings for defective wiring at 11th Motor Transport Battalion.
- (19) Provided pipe to construct five urinals for 11th Motor Transport Bn.
- (20) Constructed five culvert bunkers and one 8x8x12 timber bunker for CAP 3-4 patrol base camp.

DOWNGRADED AT 3 YEAR INTERVALS;
DECLASSIFIED AFTER 12 YEARS.

DOD DIR 5200.10

UNCLASSIFIED

~~CONFIDENTIAL~~
~~CONFIDENTIAL~~

- (21) Established drainage and shaped hill to provide interlocking fire for CAP 3-4 patrol base camp.
- (22) Dug 400 meters of trench for CAP C-2-1 patrol base camp.
- (23) Dug 400 meters of trench for CAP B-4 patrol base camp.
- (24) Enlarged berm around 3/1 company patrol base camp.
- (25) Dug well and placed concrete culvert as well case at 3rd Battalion, 1st Marines company patrol base camp.
- (26) Constructed shower system for company patrol base camp at 3rd Battalion, 1st Marines.
- (27) Constructed 8 culvert bunkers for company patrol base camp at 3rd Battalion, 1st Marines.

b. During this period units of the Battalion completed the following Battalion originated work orders:

- (1) Constructed two hole head for Battalion Aid Station.
- (2) Constructed oil drum rack.
- (3) Constructed forty urinals.
- (4) Fabricated eight shower signs.
- (5) Constructed one three hole head.
- (6) Constructed three bunkers for 1st Engineer Bn CP perimeter.
- (7) Constructed 20'x20' storeroom.
- (8) Cut sixty 55 gallon oil drums for use in heads.
- (9) Constructed 12'x12' addition to MARS station for Headquarters Battalion, 1st Marine Division.
- (10) Constructed 9 standard three hole heads for 5th Marines.
- (11) Constructed generator shed for Dai Lai Water Point.
- (12) Cut 200 stakes for surveyors.
- (13) Fabricated desk for Chaplain.
- (14) Completed 13 bunkers for company patrol base camp.
- (15) Constructed and delivered 3200 gallon water tank system at Nui Lac Son.
- (16) Provided shower system for Nui Lac Son showers.
- (17) Developed water system, installed 1200 feet of pipe at 1st Battalion, 5th Marines.
- (18) Waterproofed communications bunker.
- (19) Prepared 6 artillery emplacements for 11th Marines.
- (20) Constructed 18'x27' culvert bunker for 3rd Battalion, 7th Marines company patrol base camp.
- (21) Constructed handrail for foot bridge at 1st Engineer Battalion.
- (22) Constructed 10 messhall tables for 3rd Battalion, 7th Marines base camp.
- (23) Constructed steps to messhall.
- (24) Constructed 20 shower duck boards for 5th Marines.
- (25) Erected and completed 12'x20' washroom at 1st Engineer Battalion.
- (26) Repaired one roof at 1st Battalion, 1st Marines and two roofs at 2nd Battalion, 1st Marines.
- (27) Constructed 6 bunkers for 1st Battalion, 5th Marines patrol base camp.
- (28) Precut and assembled three 20'x32'x8' timber bunkers for 5th Marines CP.

DOWNGRADED AT 3 YEAR INTERVALS;
DECLASSIFIED AFTER 12 YEARS.

DOD DIR 5200.10

UNCLASSIFIED

6

- (30) Construct twenty mess tables.
 (31) Constructed map board for Division G-2.
 (32) Constructed 16 'x40' building with interior shelving for PX at 2nd Battalion, 1st Marines.
 (33) Constructed addition to Chapel at 2nd Battalion, 1st Marines.
 (34) Constructed 12 'x16' building for S-5 office at 2nd Battalion, 1st Marines.
 (35) Constructed tin roofs on two 16 'x32' structures.

Ref: SitReps for month of July 1967

8. Research and Development

a. Experimented with Flame Fougasse devices and developed training syllabus for use at Demolitions, Landmine Warfare and Viet Cong Boobytrap School.

Ref: CO 1st Engr Bn ltr 3/RCJ/ess over 8000 of 28Jul67

9. Civil Affairs/Civic Action

a. Conducted Elder's Festival for Hamlet of Hoa Phu (Coord. AT 920726) which was attended by approximately 1400 people. This was the first time the hamlet was together in five years. Program included the use of a cultural drama team from Hoi An, and appearance and speech by Major General ROBERTSON. The Commanding Officer and Civil Affairs Officer participated in the Elder's Feast.

PART IV

SUPPORTING DOCUMENTS

✓ TAB A	CO Co "A" AA Rpt BJM/ljj over 3480 of 5Jul67
✓ TAB B	CO Co "A" AA Rpt BJM/ljj over 3480 of 13Jul67
✓ TAB C	CO Co "A" AA Rpt HEI/ghw over 3480 of 25Jul67
✓ TAB D	CO Co "A" AA Rpt BJM/ljj over 3480 of 26Jul67
✓ TAB E	CO Co "A" AA Rpt BJM/ljj over 3480 of 30Jul67
✓ TAB F	CO Co "A" AA Rpt BJM/ljj over 3480 of 31Jul67
✓ TAB G	CO Co "A" AA Rpt BJM/ljj over 3480 of 31 Jul67
✓ TAB H	CO Co "C" AA Rpt CMS/hle over 3480 of 4Aug67

DOWNGRADED AT 3 YEAR INTERVALS;
 DECLASSIFIED AFTER 12 YEARS.
 DOD DIR 5200.10

7
 UNCLASSIFIED

~~CONFIDENTIAL~~

COMPANY "A"
1st Engineer Battalion
1st Marine Division (Rein) FMF
FPO San Francisco 96602

BJM/ljj
3480
5 July 1967

From: Commanding Officer
To: Commanding Officer, 1st Engineer Battalion

Subj: Combat after action report

Ref: (a) DivO 3480.1
(b) Map Vietnam 1:50,000 Sheet 6640I Series L7014

1. Code Name: NONE
2. Dates of Operation: 030515 H Jul67 to 031430 H Jul67
3. Location: Village of Ngan Trung, Coor 060644
4. Command and Control Headquarters: 3/1, Lt Col RICE
5. Task Organization: N/A
6. Supporting Force: N/A
7. Intelligence: 3/1, S-2
8. Mission: To provide close combat engineer support, to 3/1 for a one day search and destroy operation.
9. Concept of Operation: Two men with 20 pounds of demolitions each were in direct support of 3/1 on a search and destroy operation. This team consisted of men from the 3rd platoon of Company "A", 1st Engineer Battalion.
10. Execution: The two man engineer team departed 3/1 C.P. at 030515 H Jul67 to furnish close combat engineer support to 3/1. The operation commenced at 030515 H Jul67. Four caves were destroyed at Coor 060644 with 12½ lbs of C-4 on 031300 H Jul67 and one spider trap was destroyed with 2½ lbs of C-4 on 031300 H Jul67 at Coor 060644. The operation terminated at 031430 H Jul67 and the team returned to 3/1 C.P. at 031500 H Jul67.
11. Results: Four Caves and a Spider trap were destroyed using 12½ lbs of C-4.
12. Administrative Remarks: NONE
13. Special Equipment and Techniques: NONE
14. Commanders Analysis: No unusual problems were encountered and the demolitions work of the Engineers was routine.

H. E. Itchewich
H. E. ITCHKAWICH

Tab A

13 July 1967

From: Commanding Officer
To: Commanding Officer, 1st Engineer Battalion

Subj: Combat after action report

Ref: (a) DivC 3480.1
(b) Map Vietnam 1:50,000 Sheet 6640 IV, Series L7014

1. Code Name: Operation Elliott
2. Dates of Operation: 5 to 7 Jul67
3. Location: Regimental size Search and Destroy Operation in the vicinity of Coor AT 9757 to BT 0157 and BT 0163 to AT 9763.
4. Command and Control Headquarters: Col RADIRS 1st Marines in charge of command group.
5. Task Organization: N/A
6. Supporting Force: N/A
7. Intelligence: 1st Marine Regiment, S-2
8. Mission: 22 Engineers and three officers were attached to 1st Marines for close combat support. Six engineers attached to B Co., six attached to A Co., five attached to H Co., and five attached to J Co. A Co was located with the Regimental C.P. group. The operation jumped off on the morning of 5 July and terminated on 7 July. Each man carried Ten pounds of C-4 and individual demolition kits. No mine detectors were taken. Tunnel destruction weapons were available on call from the LSA.
9. Concept of Operation: For 1st Marine Regiment to conduct a Search and Destroy Operation in the vicinity of Coor AT 9757 to BT 0157 to Bt 0163 to AT 9763.
10. During the course of the operation the engineers destroyed in place the following:
 - Nine 105 rounds with 20lbs of C-4
 - Four 81mm rounds with 8 lbs of C-4
 - Three 60mm rounds with 3 lbs of C-4
 - Four 81mm rounds with 9 lbs C-4
 - One 8" Naval projectile with 5lbs C-4
 - Four 155mm rounds 15 lbs C-4
 - Ten 3.5 rounds with 12 lbs C-4
 - One 250 lb bomb with 5 lbs C-4
 - Three M-16 Mines with 7½ lbs C-4
 - Two M-26 Grenades where blown with mines above (they were rigged to the m-16 mines)
 - Five Z-10 and One Chi Com grenade with 2½ lbs C-4
 - Twelve family bunkers with 60 lbs C-4
 - Eleven caves with 110 lbs of C-4
11. Results: As outlined above.
12. Administrative Remarks: NONE
13. Spocail equipment and Techniques: NONE
14. Commanders Analysis: This search and destroy operation was routine. No special equipment was required.

UNCLASSIFIED

DOWNGRADED AT 3 YEAR INTERVALS

DECLASSIFIED AFTER 12 YEARS

DOD DIR 5200.10 H.E. TUCKER

CONFIDENTIAL

TAB R

COMPANY "A"
 1st Engineer Battalion
 1st Marine Division (Rein) FME
 FPO, San Francisco 96602

HEI/ghw
 3480
 25 July 1967

From: Commanding Officer
 To: Commanding Officer, 1st Engineer Battalion

Subj: Combat after action report

1. Code Name: None
2. Dates of Operation: 211500H Jul67 to 211800H Jul67
4. Command and Control Headquarters: 3rd Battalion, 1st Marines - LtCol RICE
5. Task Organization: N/A
6. Supporting Force: N/A
7. Intelligence: 3rd Battalion, 1st Marines - S-2
8. Mission: To provide close combat engineer support to 3rd Battalion, 1st Marines for a one day operation.
9. Concept of Operation: One NCO and three men with 30 pounds of TNT and one PL53 mine detector. This team consisted of men from 3rd platoon "A" Company, 1st Engineer Battalion.
10. Execution: A four men engineer team departed 3/1 C.P. at 211400H Jul67 to furnish close combat engineer support to "M" Company 3rd Battalion, 1st Marines. The operation commenced at 211500H Jul67. At 211515H Jul67 to 211615 the engineers blew 10 bunkers at Coord., 086700 used 60 pounds of C-4 and 20 pounds of TNT.
11. Results: Blew 10 bunkers with 60 pounds of C-4 and 20 pounds of TNT.
12. Administrative Remarks: None
13. Special Equipment and Techniques: None
14. Commanders Analysis: None

H. E. ITCHKAWICH

UNCLASSIFIED

Tab C

26 July 1967

From: Commanding Officer
 To: Commanding Officer, 1st Engineer Battalion
 Subj: Combat after action report

Ref: (a) DivO 3480.1
 (b) Map Vietnam 1:50,000 Sheet 6640 IV, Series L 7014

1. Code name: NONE
2. Dates of Operation: 230800 H Jul67 to 241600 H Jul67
3. Location: Grid squares 9867 to 9667, 9667 to 9764, 9764 to 9867
4. Command and Control Headquarters: 2/1 - LtCol HEWLETT
5. Task Organization: Two Companies - "F" and "G" of 2/1
6. Supporting Force: N/A
7. Intelligence: 2/1 - S-2
8. Mission: To provide close support for a two Company search and destroy operation of two days duration.
9. Concept of Operation: Three NCO's and seven men departed 2/1 CP in support of "F" and "G" Companies, 2/1 with 10 lbs of demo each. All engineers were from 1st platoon, "A" Co, 1st Engineer Battalion.
10. Execution: A total of 10 Engineers in support of 2/1 left CP at 221600 H Jul67. The following was destroyed:

Date Group	Coor	Item Destroyed	Demo used
230900 H Jul67	980670	Chi-Com Grenade	2 1/2 lbs C-4
230925 H Jul67	984689	Two caves	20 lbs C-4
231200 H Jul67	982675	M-79 round	2 1/2 lbs C-4
231315 H Jul67	967686	Cement Building	20 lbs C-4
231630 H Jul67	968684	M-79 round	4 lbs C-4
241200 H Jul67	963677	Five Punji pits	4 lbs C-4
241410 H Jul67	975645	One 155 round	2 1/2 lbs C-4
241415 H Jul67	963677	One Cave	20 lbs C-4
241430 H Jul67	972645	One 8" Naval round	2 1/2 lbs C-4
241450 H Jul67	970642	One 60mm & one ChiCom	3 1/2 lbs C-4

241130 H Jul67 at Coor 975644, Sgt SANCHEZ of the engineers, while with "F" company tripped what was estimated to be an M-26 booby trap. He was medivaced with multiple wounds through out his body.

11. Results: Three caves, two M-79 duds, five Punji pits, one cement building, 1 Chi-Com grenade, one Chi-Com mine, One 155 dud round, one 8" naval round and one 60mm dud using a total of 77 3/4 pounds of C-4.
12. Administrative Remarks: NONE
13. Special Equipment and Techniques: NONE
14. Commanders Analysis: The Engineer work was routine, with no unusual problems. It was unfortunate that Sgt SANCHEZ was wounded.

DOWNGRADED AT 3 YEAR INTERVALS
 DECLASSIFIED AFTER 12 YEARS.

DOB DIR 5200.10

H: E: ITCHKAWICH

~~CONFIDENTIAL~~

COMPANY "A"
1st Engineer Battalion
1st Marine Division (Rein) FMF
FPO, San Francisco 96602

BJM/ljj
3480
30 July 1967

From: Commanding Officer
To: Commanding Officer, 1st Engineer Battalion

Subj: Combat after action report

Ref: (a) DivO 3480.1
(b) Map Vietnam 1:50,000 Sheet 6640 I, Series L7014

1. Code Name: None
2. Dates of Operation: 250500 H Jul67 to 261500 H Jul67
3. Location: Village of Viem Dong Coor 111649
4. Command and Control Headquarters: 3/1 LtCol RICE
5. Task Force: N/A
6. Supporting Force: N/A
7. Intelligence: 3/1 - S-2
8. Mission: To provide close combat engineer support to 3/1 for a two day operation.
9. Concept of Operation: One WCO and one man with 10 lbs of demolitions each were in direct support of 3/1. This team consisted of men from the third platoon, Company "A", 1st Engineer Battalion.
10. A two man engineer team departed 3/1 CP at 250500 H Jul67 to furnish close combat engineers support to 3/1. The operation commenced at 250600 H Jul67. One cave was destroyed at Coor 111649 with 5 1/2 lbs of C-4. At Coor 103656 one cave was destroyed on 25 Jul67 with 5 lbs of C-4. On 26 Jul67 at Coor 113649 the third cave was destroyed with 5 lbs of C-4. The operation terminated at 261400 H Jul67 and the team returned to 3/1 CP at 261500 H Jul67.
11. Results: Three caves were destroyed during the operation using 15 1/2 lbs of C-4
12. Administrative Remarks: NONE
13. Special Equipment and Techniques: NONE
14. Commanders Analysis: No unusual problems were encountered and the demolitions work of this engineer team was routine.

UNCLASSIFIED

H. E. ITCHERICH

Tab E

COMPANY "A"
1st Engineer Battalion
1st Marine Division (Rein) FME
FPO, San Francisco 96602

BJM/ljj
3480
31 July 1967

From: Commanding Officer
To: Commanding Officer, 1st Engineer Battalion

Subj: Combat after action report

Ref: (a) DivO 3480.1
(b) Map Vietnam 1:50,000 Sheet 6641 III, Series L7014

1. Code Name: NONE
2. Dates of Operation: 241300H Jul67 to 241700 H Jul67
3. Location: Village of Nui Kim Son Coor 054713
4. Command and Control Headquarters: 3/1 - LtCol RICE
5. Task Organization: N/A
6. Supporting Force: N/A
7. Intelligence: 3/1, S-2
8. Mission: To provide close combat engineer support to 3/1 for a one day operation.
9. Concept of Operation: Three men with 10 pounds of demolition each were in support of 3/1. This team consisted of men from the Third Platoon of Company "A", 1st EngrBn.
10. Execution: A three man engineer team departed 3/1 CP at 241300 H Jul67 to furnish close combat engineer support to 3/1. The Operation commenced at 241400 Jul 67. Destroyed nine caves at Coor 054713 on 24Jul67 with the use of 80 lbs. The Operations terminated at 241600 H Jul67 and the team returned to 3/1 CP at 241700 H Jul67.
11. Results: Nine Caves destroyed
12. Administrative Remarks: NONE
13. Special Equipment and Techniques: NONE
14. Commanders Analysis: The engineer work was of routine matter and no unusual problems were encountered during this operation.

UNCLASSIFIED

H.E. ITC KOWICH

CONFIDENTIAL

COMPANY "A"
1st Engineer Battalion
1st Marine Division (Rein) FMF
FPO, San Francisco 96602

BJM/ljj
3480
31 July 1967

From: Commanding Officer
To: Commanding Officer, 1st Engineer Battalion
Subj: Combat after action report
Ref: (a) DivO 3480.1
(b) Map Vietnam

1. Code Name: Rough Rider
2. Dates of Operation: 2706000 H Jul67 to 271930 H Jul 1967
3. Location: DaNang to Hill 63(Coor 1345) and return
4. Command and Control Headquarters: 11th Motor Trans Bn - Capt KISER
5. Task Organization: N/A
6. Supporting Force: N/A
7. Intelligence: 11th Motor Trans Bn - S-2
8. Mission: To provide close combat engineer support to 11th Motor Transport Battalion for a Rough Ride Convoy from DaNang to Hill 63 and return.
9. Concept of Operation: Two NCO's and eight men with 200 lbs of TNT were in direct support of the 11th Motor Trans Bn Convoy. This team consisted of men from "A" Company, 1st Engineer Battalion.
10. Execution: A Ten man engineer team departed this CP at 270430 H Jul67 to furnish close combat engineer support to 11th Motor Trans Bn. The operation commenced at 270600 H Jul67. Engineer swept 50 meters of road locating one M.P. mine at coor 122486, destroyed in place with 1 lb of TNT. The operation terminated at 271900 H Jul67 and the team returned to this CP at 271930 H Jul 1967. 27
11. Results: One M.P. mine destroyed in place at coor 122486.
12. Administrative Remarks: NONE
13. Special Equipment and Techniques: NONE
14. Commanders Analysis: The Engineers work was routine and there were no unusual problems encountered.

UNCLASSIFIED

H. E. ITCHERWICH

Tab G

~~CONFIDENTIAL~~

COMPANY "C"
 1st Engineer Battalion
 1st Marine Division (Rein) FMF
 FPO San Francisco 96602

CMS:hle
 3480
 4 Aug 1967

From: Commanding Officer
 To: Commanding Officer, 1st Battalion, 7th Marine Regiment
 Via: Commanding Officer, 1st Engineer Battalion

Subj: Combat after action report

Ref: (a) DivO 3480.1
 (b) Map Vietnam 1:50,000 Series L7014 6540 I, 6541 II

1. Code Name: Search and destroy Operation PECOS
2. Dates of Operation: 0800 20 Jul 1967 to 0920 27 Jul 1967
3. Location: Hieu Duc, Quang Nam Province, Republic of Vietnam
4. Command and Control Headquarters:

7th Marines (-) (Rein)	Col C. C. CROSSFIELD
1st Bn., 7th Marines	LtCol J. D. ROWLEY
1st Platoon, Company "C"	
1st Engineer Battalion	2ndLt C. M. STROUD

5. Task Organization:

1st Platoon, Company "C", 1st Engineer Battalion
 Det Support Company, 1st Engineer Battalion

6. Supporting Forces: N/A
7. Intelligence: 7th Marine Regiment: ISUMS

8. Mission: To provide close combat engineer support to the United States Marine Corps forces in the area of operation in the Hieu Duc, Quang Nam Province area.

9. Concept of Operation: 1st Platoon, Company "C", 1st Engineer Battalion in direct support of 1st Battalion, 7th Marines cleared a landing zone vulture ZC153662 and to help prepare 105MM Howitzer positions. The operation was reinforced by the following personnel and equipment from Support Company.

UNCLASSIFIED

Tab H

PERSONNEL:

- 5-Heavy Equipment operators
- 2-Motor Transport operators
- 2-Communicators
- 11-Men on Engineer sweep team (3rd Platoon, Company "C")

EQUIPMENT:

- 1-M55 grader
- 3-MD 15
- 1-MRS 100
- 2-M51 Dump trucks

10. Execution: At 1600 on 18 July 1967, a meeting was called by 1st Battalion, 7th Marines at their command post and commanders were informed about Operation Pecos.

At 1500 19 July 1967 22 men and one officer from 1st Platoon, Company "C", 1st Engineer Battalion departed the 7th Marines area at hill #55 and moved by CH-53 helicopters to An Hoa at coordinates AT 844455. While at An Hoa the platoon was further briefed by Lieutenant Colonel ROWLEY.

At 0845 on 20 July 1967 eight engineers departed An Hoa by a CH-46 helicopter of the first wave and moved to Landing zone Vulture EC 153662. The engineers on the first wave carried 300 pounds of TNT, 2000 feet of detonation cord and 80 pounds of C-4. Upon arriving at the Landing zone in order that more helicopters would be able to land. The eight engineers cleared 4 trees before the second wave arrived with the remaining 15 engineers. The remainder of the day was spent clearing the landing zone of obstruction, mainly trees, and also preparing artillery positions for 105MM Howitzers.

The cutting of trees was done by using explosives and by applying the formula $P = \frac{W}{D^3}$ to determine the amount of explosives to be used. A HC Culloch 99 chain saw was also used, but not to the extent the explosives were used.

The artillery positions were prepared by having the 105MM Howitzer crews draw an outline of the artillery positions which was in the shape of a circle. Four holes were then dug approximately 1 foot deep, 6 inches in diameter and 8 feet apart forming a square inside the circle. Three pounds of TNT taped together was then placed in each hole. A Non-Electric blasting cap was wired to a piece of detonating cord and each piece was placed in 1 pound of TNT in each hole. The holes were then filled with dirt and tamped with the same. A Ring main was placed so that a detonating cord could be attached. The results of the detonation of the TNT produced a crater 1.5 feet deep. The howitzer

~~CONFIDENTIAL~~

troops were then able to level their positions and build their parapet. On 20 July 1967, 250 pounds of TNT was used, 20 pounds of C-4 and eight 15 pound shape charges.

On 22 July 1967 4 engineers were dispatched to "C" Company 1/7 for the purpose of patrolling. The patrol indicated a village at ZC 158673. The village contained 25 family type bunkers and 1 bunker larger than the family type bunker. The dimensions of the family type bunker were: 3' X 3' X 5'. The bunker larger than the family type bunkers dimensions were 4' X 3' X 10'. One of the family type was destroyed with 10 pounds of TNT fixed to a pole and placed at the top and rear of the bunker.

On 23 July 1967 a platoon from "C" Company 1/7, one engineer and the engineer lieutenant returned to the village at ZC 158673 to confirm the amount of family type bunkers and dimensions. One family type bunker was also destroyed with 10 pounds of TNT attached to a pole and placed at the top and to the rear of the bunker. The dimensions of the bunker were 3' X 3' X 5'.

On 24 July 1967 further work was done on landing zone Vulture. Forty pounds of TNT was used to cut trees.

On 25 July 1967 14 engineers departed the landing zone area with a platoon from "C" Company 1/7 and proceeded to the village located at coordinates ZC 158673. While at the village the engineers destroyed 23 family type bunkers and 1 bunker larger than the family type bunkers. The engineers used 760 pounds of cratering charges and 50 pounds of TNT. While at the village a cave was located approximately 300 meters from the village at coordinates ZC 139676. The dimensions of the cave were 4' X 4' X 12'. Eighty pounds of cratering charges were used to destroy the cave.

On 26 July 1967 final touches were added to landing zone culture. Seventy pounds of TNT was used to cut trees.

At 0700 on 27 July 1967 one CH-53 Helicopter removed 13 Engineers from landing zone culture to the 7th Marines CP at Hill #35 AT 272622. The remainder of the engineers were attached to the following companies for another operation, 4 Engineers to A Company 1/7, 4 Engineers to C Company 1/7, 5 Engineers to D Company 1/7.

11. Results: One landing zone was cleared with dimensions approximately 400 yards long and 250 yards wide. The landing zone could accommodate 10 CH-46 Helicopters at one time. Twenty six family type bunkers were destroyed. The dimensions of the bunkers were 3' X 3' X 5'. One bunker larger than the family type was destroyed. The dimensions of the bunker were 4' X 3' X 10'. One cave with dimensions 4' X 4' X 12' was destroyed. A total of 840 pounds of cratering charges and 50 pounds of TNT were used to destroy the bunkers and cave. Four 81MM Mortar rounds were destroyed with 2 pounds of TNT. Six 60MM Mortar rounds were destroyed with 4 pounds of TNT. Two M16A1 mines were destroyed with 2 pounds of TNT.

~~CONFIDENTIAL~~

12. Administration Remarks: Resupply of Engineer's items and all other items were adequate.
13. Special Equipment and Techniques: A new and faster technique was found for preparing 105MM Howitzer positions. See paragraph 4 under execution.
14. Commanders Analysis: No unusual problems were encountered and the demolition work of the Engineer platoon was routine.
15. Recommendations: It is recommended that the landing zone prepared should be checked for booby traps and other type mines before it is used again.

for J. R. Johnson
L. L. MITCHELL