

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☒ other

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P.O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1190' FSL 2130' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:
TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☒
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:

☐
☐
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RECEIVED

FEB. 6 1984

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

5. LEASE
SF-080245

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Hamner

9. WELL NO.
11

10. FIELD OR WILDCAT NAME
Und. Gallup

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 20, T29N, R9W

12. COUNTY OR PARISH
San Juan

13. STATE
NM

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5698' GR

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

We request permission to recomplete the Mesaverde Formation as per the attached detailed procedure.

RECEIVED

FEB 09 1984

OIL CON. DIV.
DIST. 3

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED John M. Kenney TITLE Sr. Material Analyst DATE 2/2/84

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

APPROVED

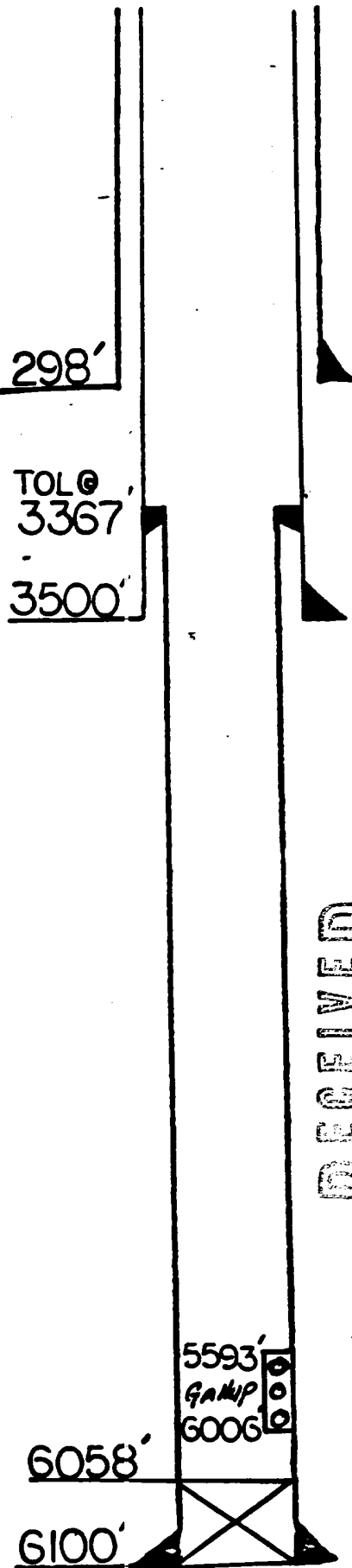
*See Instructions on Reverse Side

NMOCC

FEB 07 1984

M. MILLENBACH

AREA MANAGER



2439

LEASE Hamner

WELL NO. 11

9-5/8 "OD, 36 LB, K-55 CSG.W/175 SX

TOC @ surface

7 "OD, 23 LB, K-55 CSG.W/500/200 SX

TOC @ surface

4-1/2 "OD. 10.5 LB, K-55 CSG.W/ 400 SX

TOC @ 3367 TOL

DETAILED PROCEDURE:

1. MIRUSU. POOH w/rods and pump, laying rods down. Install BOPE. Release tbg anchor set @ 5549 and POOH w/2-3/8" tbg and anchor.
2. RIH w/2-3/8" tbg open-ended and CO to PBTD 6058' KB w/N₂. POOH w/tbg.
3. RIH w/a Model "D" w/exp plug in place on WL and set @ 5560'. Dump 2 sxs sd on plug and PT csg to 3500 psig.
4. RIH w/tbg to 4526' and spot 500 gal of DI 7-1/2% HCl across perfs. POOH w/tbg.
5. Perforate the Lower Mesaverde as follows:

Point Lookout

Menefee

4521-26 5'
4433-41 8'
4409-15 6'
TOTAL: 19'

4190-97 7'
4179-81 2'
4063-69 6'
4028-32 4'
TOTAL: 19'

Use 3-1/8" Hollow carrier csg guns 2 JSPF, 120 degree phasing 38' - 76 holes.

6. Acidize the Lower Mesaverde w/1250 gal of 15% HCl containing 600# NaCl/1000 gal. Drop 114 - 1.1 S.G. RCN Slr balls for diversion. 3500 psig max STP.
7. Roundtrip WL junk basket past perfs to knock balls off.
8. Frac P.T. Lookout and Menefee w/1% KCl wtr containing 15#/1000 gal friction reducer and 20/40 sand as follows: Rate 76 BPM.

Volume	Sand Conc.	Cum Sd. Pmpd
32,000 gal	PAD	---
12,000 gal	1/2 ppg	6,000 # 20/40
12,000 gal	1 ppg	18,000 # 20/40
12,000 gal	1-1/2 ppg	36,000 # 20/40
29,500 gal	2 ppg	95,000 # 20/40

Job Totals: 97,500 gal slick wtr; 95,000 #

2439

LEASE Hamner

WELL NO. 11

9-5/8 "OD, 36 LB, K-55 CS6.W/175 SX

TOC @ surface

7 "OD, 23 LB, K-55 CS6.W/500/200 SX

TOC @ surface

4-1/2 "OD, 10.5 LB, K-55 CS6.W/400 SX

TOC @ 3367 TOL

-2-

9. Flush 10 bbls shy of top perf and close blind ram ASAP.
10. RIH w/WL set Baker 4-1/2" RBP. Set @ \pm 3950'.
11. Dump 2 sxs sand on RBP, load csg w/1% KCl wtr and PT RBP to 3500 psig.
12. RIH w/tbg to 3886' and spot 500 gal of D1 7-1/2% HCl. POOH w/tbg.
13. Perforate the Cliffhouse as follows:

Cliffhouse
3847-86' 39'

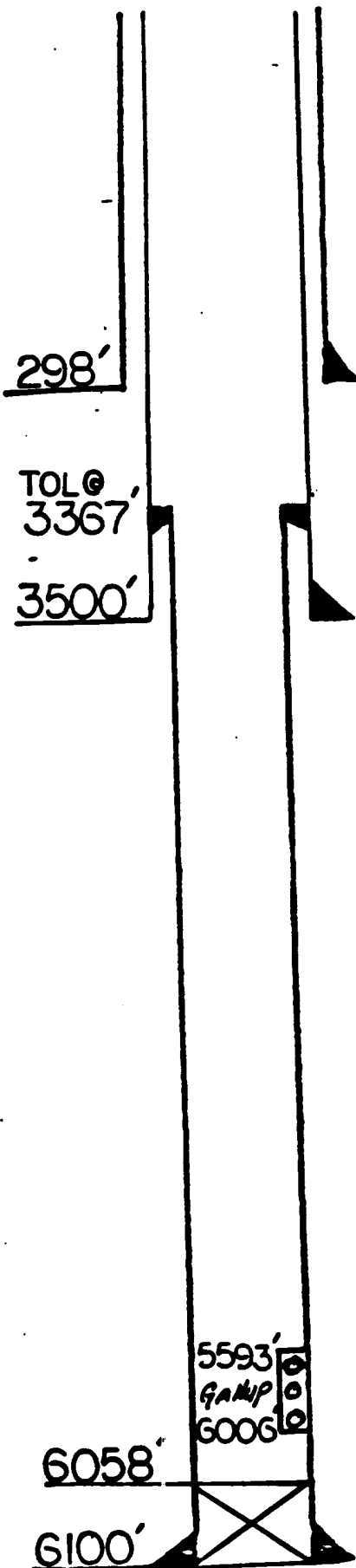
Use 3-1/8" Hollow Carrier csg guns, 2 JSPF, 120 degree phasing, 39' - 78 holes.

14. Acidize the Cliffhouse w/1250 gal of 15% HCl containing 600 # NaCl/1000 gal. Drop 119 - 1.1 S.G. RCN slr balls for diversion. 3500 psig max STP.
15. Round trip WL junkbasket past perms to knock balls off.
16. Frac Cliffhouse w/1% KCl wtr containing 15# friction reducer/1000 gal and 20/40 sand as follows: Rate 78 BPM:

<u>Volume</u>	<u>Sand Conc.</u>	<u>Cum. Sd Pumped</u>
33,000	PAD	---
12,000	1/2 ppg	6000 # 20/40
12,000	1 ppg	18,000 # 20/40
12,000	1-1/2 ppg	36,000 # 20/40
31,000	2 ppg	98,000 # 20/40

Job Totals: 100,000 gal slick wtr; 98,000 # 20/40

17. RIH w/ret. head for 4-1/2" RBP on 2-3/8" tbg. CO to RBP @ \pm 3950' w/foam. Latch RBP and POOH.
18. RIH w/2-3/8" tbg w/SN 1 jt off btm and CO to the Model "D" pkr w/exp plug set @ 5990'.
19. PUH and land 2-3/8" tbg @ \pm 4350'.
20. NDBOPE and NUWH. Kick well around w/N₂.
21. FTCU.



COMPLETION, STIMULATION AND WORKOVER RECORD

<u>DATE</u>	<u>DESCRIPTION</u>	<u>REMARKS</u>
6-10-82	Perf'd Lower Gallup 1 JSPF 5830-50', 5861-70', 5882-93', 5896-5903', 5916-22', 5937-42', 5957-62', 5970-74', 5977-86', 5999-6006' (83', 83 holes). Acidized & balled off w/1600 gal 15% HCl. Frac'd w/40,000 gal 70% quality foam and 85,000 # 20/40 sd. AIR = 30 BPM. AIP = 2180 psig.	
6-11-82	Set WL BP @ 5809'. Perf'd upper Gallup 1 JSPF 5593-5622', 5650-60, 5669-78', 5683-95', 5732-41', 5769-86' (86', 86 holes). Acidized & balled off w/1600 gal 15% HCl. Frac'd w/40,000 gal 70% quality foam and 85,000 # 20/40 sand. AIR = 30 BPM, AIP = 2100 psig. FTCU.	
6-12-82	RIH and CO to PBDT w/N ₂ . PUH and land 2-3/8" tbg @ 5956', kick well around w/N ₂ . FTCU.	
7-9-82	<div style="display: flex; justify-content: space-between;"> <div> AOF = 1823 MCFD Q = 1544 MCFD SITP= 915 SICP=1170 </div> <div> After 3 hours FTP 104 </div> </div>	
6-83	Installed rod pmp IPP 104 MCFD 4.4 BOPD.	

DETAILED COST ESTIMATE (GROSS)

<u>QUANTITY</u>	<u>INVESTMENT MATERIAL</u>	<u>MATERIAL ON HAND</u>	<u>OUT OF POCKET CASH</u>
	Rig - 5 Days		\$10,000
	Perforating		8,000
	Rental Equipment		5,000
	Trucking & Water		3,000
	Acid & Frac		50,000
	Foam Cleanout		5,000
	Misc. & TOC Supervision		<u>4,000</u>
			85,000
	Less salvage		
	Pumping Unit		-20,629
	Rods & pump		<u>- 8,188</u>
			-28,817
		TOTAL COST:	\$56,183