

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other in
instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL ☐	GAS WELL ☒	DRY ☐	Other ☐		
b. TYPE OF COMPLETION:		NEW WELL ☒	WORK OVER ☐	DEEP-EN ☐	PLUG BACK ☐	DIFF. RENVR. ☐	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 and in accordance with any State requirements)* At surface 1745' FNL, 1085' FWL At top prod. interval reported below At total depth Same							
14. PERMIT NO.				DATE ISSUED			
15. DATE SPUDDED 11/12/87							
16. DATE T.D. REACHED 11/19/87							
17. DATE COMPL. (Ready to prod.) 12/22/87							
18. ELEVATIONS (DP, RKB, RT, GB, ETC.)* 6449' GL							
19. ELEV. CASINGHEAD							
20. TOTAL DEPTH, MD & TVD 5750'		21. PLUG, BACK T.D., MD & TVD 5680'		22. IF, MISTAKE HOW MANY INTERVALS DRILLED BY		ROTARY TOOLS Rotary	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 4688' - 5611' - MV						25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN GR/CCL;GR/CDL/CAL						27. WAS WELL CORED	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
9 5/8"		36#		263'		12 1/4"	
7"		23#		3780'		8 3/4"	
4 1/2"		10.5#		5747'		6 1/2"	
29. LINER RECORD				30. TUBING RECORD			
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
						SCREEN (MD)	
						SIZE	
						DEPTH SET (MD)	
						PACKER SET (MD)	
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
5285-5295 5279-5285 76 feet				DEPTH INTERVAL (MD)			
5296-5298 5404-5412				5285-5611			
5301-5306 5532-5534 152 holes				AMOUNT AND KIND OF MATERIAL USED			
5352-5362 5609-5611 C-Also				Acid - 2M Gal 15% HCl			
Attachment				Frac - 116M Gal Slickwater + 125M# Sand (20/40)			
33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
1/6/88		Flowing				Shut-In	
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD	
1/6/88		3 hrs		3/4"		OIL—BBL. 0	
FLOW, TUBING PRES.		CASING PRESSURE		CALCULATED 24-HOUR RATE		GAS—MCF. 504	
278		557		0		WATER—BBL. 0	
						OIL GRAVITY-API (CORR.) -	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	
Vented							
35. LIST OF ATTACHMENTS							
36 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED		TITLE				DATE	
Michael D. Gammon		Sr. Admin. Analyst				1/12/88	

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Surface	0	1981'	Fresh Water			
OJO	1981'	2161'				
KIRKLAND	2161'	2756'				
FRUITLAND	2756'	3051'	Gas	Possible Loss Circulation		
PICTURE CLIFFS	3051'	3191'				
LEWIS	3191'	4496'				
GREEN MARKER	4496'	4676'		Gas		
CLIFF HOUSE	4676'	4826'				
MENEFEE	4826'	5306'				
POINT LOOKOUT	5306'	5626'	Gas			
MANCOS	5626'	5750'				
		(TD)				

HUGHES LS 5A
12/18/87

NEW COMPLETION

OA: MIRUSU. NDWH. NUBOP. PU and tally 21 joints 2-3/8
tbg. Rig down for repairs. SDON.

12/19/87

OA: Repair rig. PU and tally 161 joints 2-3/8" tbg. Drill
out 85 ft of cmt to PBTD: 5680. SDON.

12/20/87

OA: PT csg to 3500 psig, OK. Roll hole w/ 1% KCL wtr. Spot
400 gals 7-1/2% DI HCL @ 5611'. POOH w/ 2-3/8" tbg and
3-7/8" bit. RU Welex. Run CSNG log from PBTD: to
4600'. Run GR/CCL from PBTD to 4600'. Correlate w/
Schlumberger GR/CDL/CAL dated 11/19/87. Perforate PLO w/
3-1/8" csg gun w/ 2 JSPF as follows: 5285-5295, 5296-98,
5301-36, 5352-63, 5279-85, 5404-12, 5532-34, 5609-11, 76'
152 holes. Establish 87 BPM @ 1300 psig w/ 1% KCL wtr.
No breakdown. ISIP = vacuum. Acidize down casing w/
2000 gals 15% weighted HCL and 222 ballsealers @ 47 BPM
and 0 psig. Some ball action. No ball off. Displace 20
bbls past btm perf. Run junkbasket on wireline to PBTD.
Recovered 217 bbls aw/ 54 hits. Frac PLOt dn csg
w/slickwater and 20/40 sand as follows:

35,000 gals	Pad	ATP = 2100 psig
12,000 gals	0.5 ppg	ATR = 100 BPM
12,000 gals	1 ppg	ISIP = vacuum
12,000 gals	1.5 ppg	Flush 10 bbls shy
45,000 gals	2 ppg	to top perf.
Totals: 116,000 GAL 125,000# sand		

Frac fluid tagged w/ Scandium 46 20/40 sand tagged w/ Iridium
192. SDON.

12/21/87

OA: Lubricate in hole w/ 4-1/2" RBP on wireline. Set RBP @
5210'. Dump 2 sx sand on RBP. RIH w/ 2-3/8" tbg. Load
hole w/1% KCL water. PT RBP to 3500 psig, ok. Spot 400
gals 7-1/2% DI HCL @ 5165'. POOH w/ 2-3/8" tbg. RU
Welex and perforate CH/Menefee w/3-1/8" csg gun 2 JSPF as
follows: 4688-4714, 4720-22, 4738-44, 4754-67, 4775-89,
4811-13, 4818-24, 5047-51, 5118-5127, 5157-65; 90' 180
holes. Establish 91 BPM @ 2480 psig. No breakdown.
ISIP = vacuum. Acidize dwn csg w/ 2500 gals 15% weighted
HCL and 270 balls @ 51 BPM and 520 psig. Ball action
good. No balloff. Displace 52 bbls past btm perf. Run
junkbasket on wireline to RBP. Recovered 125 balls w/85
hits. Frac down csg w/ slickwater and 20/40 sand as
follows:

45,000 gals	pad
ATP = 2250 psig	15,000 gals 0.5 ppg
ATR = 95 BPM	15,000 gals 1 ppg
ISIP = vacuum	15,000 gals 1.5 ppg
	55,000 gals 2 ppg

Flush 10 bbls shy of top perf. Close blind rams
immediately following ISIP.
TOTALS: 145,000 gal, 155,000# 20/40

12/22/87

OA: Kill well w/1% KCL wtr. RIH w/ retrieving head for RBP
on 2-3/8" tbg. Tag bridge @ 4680'. Wash through bridge
w/ nitrogen. Tag fill @ 5130'. CO sand and ball sealers
to RBP @ 5210. Latch rBP and POOH. RIH w/ 2-3/8" tbg
and 1.78 SN 1 joint off btm. CO 250' of fill w/nitrogen
to PBTD. POOH w/ 2-3/8" tbg. RU Welex. Run SCNG log
from PBTD to 4600' under lubricator. FTCU overnight.

12/23/87

OA: Kill well w/ 1% KCL wtr. RIH w/ 2 3/8 tbg. CO 280' of
fill to PBTD. Land 2-3/8" tbg aw/ 1.78 SN 1 joint off
btm @ 5310' KB. NDBOP. NUWH. RDMOSU.

Final tbg detail: 170 joints, 2-3/8, 4.7#, J-55, 8RD,
EUE, totalling 5301.51'. with SN @ 1 jt off btm.