

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

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. RES. ☐	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 regulations)*		At surface 2010' FSL, 1150' FWL							
At top prod. interval reported below									
At total depth									
14. PERMITTING AGENCY		BUREAU OF LAND MANAGEMENT HARRINGTON RESOURCE AREA							
15. DATE SPUDDED		16. DATE T.D. REACHED		17. DATE COMPL. (Ready to prod.)		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*		19. ELEV. CASINGHEAD	
11/25/83		12/11/83		1/23/84		6836' KB		6824	
20. TOTAL DEPTH, MD & TVD		21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY		ROTARY TOOLS	
7402 6836' KB		7398' KB				→		0'-TD	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*		25. WAS DIRECTIONAL SURVEY MADE							
7292' KB-7270' KB		NO							
26. TYPE ELECTRIC AND OTHER LOGS RUN		27. WAS WELL CORED							
Run #1 GR-SP-DIL 1 GR-CDL-CNL-Caliper		NO							
Run #2 GR-SP-DIL 1 GR-CDL-CNL-Caliper									
28. CASING RECORD (Report all strings set in well)									
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD	
9-5/8"		36#		328' KB		12-1/4"		295cf CL-B W/2% CaCl ₂ 1/4#/sx Celoflake	
7"		23#		5200' KB		8-3/4"		1st stage 177 cf CL-B+2% CaCl ₂ 1/4#/sx Flocele	
								2nd stage 495 cf Howcolite+1/4cf/sx Perlite	
DV @ 4285' & 2218' KB								1/4#/sx Flocele+2% CaCl ₂ 3rd stage 594 cf*	
29. LINER RECORD									
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)	
4-1/2"		5012' KB		7402' KB		(See Reverse)			
30. TUBING RECORD									
SIZE		DEPTH SET (MD)		PACKER SET (MD)					
2-3/8"		7325' KB							
31. PERFORATION RECORD (Interval, size and number)									
7292'-7298' KB									
7351'-7370' KB									
2 JSPF, Total 24', 48 holes									
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.									
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED							
7292'-7370 KB		Acidize w/1000 gal 15% WGTD HCL, Frac w/73,000 gal 30# X-L gel & 148,000# 20/40 sd							
33. PRODUCTION									
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)			
12/22/83		Flowing				Shut-in			
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD		OIL—BBL.	
1/23/84		3		3/4"		→		119	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.		GAS—MCF.	
58 PSI		306		→				948	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)									
To be sold									
35. LIST OF ATTACHMENTS									
Logs to be forwarded by Gearhart									
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records									
SIGNED		TITLE				DATE		FEB 08 1984	
[Signature]		Sr. Material Analyst				2/1/84			

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

* Howcolite + 1/4 cf/sx Perlite, Tail w/50 sx CL-B +2% CaCl₂ + 1/4# sx Flocele.

NMOCC

RV

Smm

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

4 1/2" Liner Cementing Detail: 420 cf Howcolite + .6% HALAD 9 + 1/4#/sx Flocele, Tail 118 cf CL-B + 1/4#/sx Flocele
.6% HALAD 9.

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	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	1963'	2047'	Sandstone & Siltstone	Greenhorn	7173'	
Kirtland	2047'	2750'	Shale w/interbedded siltstone			
Fruitland	2750'	2940'	Shale and Siltstone w/coal beds			
Pictured Cliffs	2940'	3026'	Sandstone			
Lewis	3020'	3488'	Shale			
Charca	3488'	4530'	Shale and Gas			
Cliffhouse	4530'	4622'	Sandstone and Siltstone			
Menefee	4622'	5250'	Siltstone and Shale			
Point Lookout	5250'	5542'	Sandstone and Shale			
Manitos	5542'	6400'	Shale			
Gallup	6400'	7173'	Shale and Siltstone			
Graneros	7236'	7278'	Shale			
Dakota	7278'	TD	Sandstone, Interbedded w/siltstone and Shale and Gas			

*NOTE: All elevations expressed in terms of KB.