

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE.

(See other instructions 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 ☐		5. LEASE DESIGNATION AND SERIAL NO. NM 12008	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other <u>Re-entry</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Tenneco Oil Company		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR Box 1031, Midland, Texas		8. FARM OR LEASE NAME Barnes Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements): At surface 330' FNL and 1650' FEL, Sec. 24, T9S, R35E At top prod. interval reported below At total depth		9. WELL NO. 1	
14. PERMIT NO.		DATE ISSUED	
15. DATE SPUDDED 9/23/70		16. DATE T.D. REACHED 9/30/70	
17. DATE COMPL. (Ready to prod.) October 18, 1970		18. ELEVATIONS (DF, RKB, RT, GR, ETC.) * 4113' KB	
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 12,060	
21. PLUG, BACK T.D., MD & TVD 9673'		22. IF MULTIPLE COMPL., HOW MANY *	
23. INTERVALS DRILLED BY		ROTARY TOOLS CABLE TOOLS	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) * 9600'-9616'		25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray		27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
12 3/4"	25.6 + 40'	458	17 1/2"
18 5/8"	24 + 32'	4910	11"
CEMENTING RECORD		AMOUNT PULLED	
475 SX - Circ.		None	
2625 SX - Circ.		None	
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT *
5 1/2"	4691'	9719'	250
SCREEN (MD)		TUBING RECORD	
278"		SIZE	DEPTH SET (MD)
9644		PACKER SET (MD)	
9461			
31. PERFORATION RECORD (Interval, size and number) 9600'-01'-02'-08'-09'-10'-11'-12'-14' 9615'-16', total of 11 shots			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED		
9600'-9616'	250 Gals. 15% HCL w/ 3oz # Benzoin Acid Flakes, 1000 gals. 15% HCL Acid + 110 bbls of Over Flush		
33. PRODUCTION			
DATE FIRST PRODUCTION 10-18-70	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping		WELL STATUS (Producing or shut-in) Producing
DATE OF TEST 10-19-70	HOURS TESTED 24	CHOKE SIZE ---	PROD'N. FOR TEST PERIOD
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL. 150
			GAS—MCF. 138.75
			WATER—BBL. 207
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented		OIL GRAVITY-API (CORR.) 42.0	
35. LIST OF ATTACHMENTS Gamma Ray log			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED Carley Hattens		TITLE Sr. Prod. Clerk	
		DATE 10/22/70	

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

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.)

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
See Previous Report			Filed by Pan American Petroleum Co., former operator			