

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. RESVR. ☐	Other _____
2. NAME OF OPERATOR Tenneco Oil Company						5. LEASE DESIGNATION AND SERIAL NO. SF-078194	
3. ADDRESS OF OPERATOR Box 3249, Englewood, CO 80155						6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with State regulations) At surface 1050' FNL, 790' FWL At top prod. interval reported below At total depth						7. UNIT AGREEMENT NAME	
14. PERMIT NO. GEOLOGICAL SURVEY FARMINGTON, N. M.						8. NAME OF LEASE NAME Ludwick A	
15. DATE SPUDDED 3/12/83						9. WELL NO. 1E	
16. DATE T.D. REACHED 3/20/83						10. FIELD AND POOL, OR WILDCAT Basin Dakota	
17. DATE COMPL. (Ready to prod.) 4/19/83						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 19, T30N, R10W	
18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 6319' KB						12. COUNTY OR PARISH San Juan	
19. ELEV. CASINGHEAD 6307' GR						13. STATE NM	
20. TOTAL DEPTH, MD & TVD 7405' KB						21. PLUG, BACK T.D., MD & TVD 7400' KB	
22. IF MULTIPLE COMPL., HOW MANY*						23. INTERVALS DRILLED BY ROTARY TOOLS 0' - TD	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 7188-7362' KB, Dakota						25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN DCL, DIL/GR, CDL/GR/Caliper						27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD		AMOUNT PULLED
9-5/8"	36#	286' KB	12-1/4"	270 CF Cl-B + 2% CaCl ₂ + 1/4#/sx flocele			
7"	23#	4920' KB	8-3/4"	1st: 319 CF 65:35 POZ + 6% gel + 1/4 CF, Perlite + 1/4#/sx flocele + 2% CaCl ₂ T.			
DV @ 1589'	KB			w/177 CF Cl-B + 2% CaCl ₂ + 1/4#/sx flocele			
29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4-1/2"	4749' KB	7405' KB	(See reverse)		2-1/16"	7285' KB	-
31. PERFORATION RECORD (Interval, size and number) 7188-98, 7266-90', 7323-26', 7332-37', 7358-62' 1 JSPF (46', 46 holes) All depths expressed in terms of KB.				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
				DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
				7188'-7362' KB		Acidize & ball off w/1000 gal 15% wgt'd HCL + 69 1.1 SG ball slrs. Frac w/37,000 gal 70% quality foam & 40,000 # 20/40	
33. PRODUCTION							
DATE FIRST PRODUCTION 3/24/83		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Shut-in	
DATE OF TEST 4/19/83	HOURS TESTED 3	CHOKE SIZE 3/4"	PROD'N. FOR TEST PERIOD →	OIL—BBL. -	GAS—MCF. 245	WATER—BBL. -	GAS-OIL RATIO -
FLOW. TUBING PRES. 132 psi	CASING PRESSURE 524 psi	CALCULATED 24-HOUR RATE →	OIL—BBL. -	GAS—MCF. 1964	WATER—BBL. -	OIL GRAVITY-API (CORR.) -	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold						TEST WITNESSED BY ACCEPTED FOR RECORD	
35. LIST OF ATTACHMENTS Logs forwarded by Blujet and Gearhart							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED Ken Russell		TITLE Sr. Production Analyst				DATE April 22, 1983	

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

* 2nd: 355 CF 65:35 POZ + 6% gel + same additives. Tail w/59 CF Cl-B + same additives.

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 38, 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: 285 CF 65:35 POZ + 6% gel, tail by 177 CF C1-B

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	1390'	1540'	Sandstone, siltstone			
Kirtland	1540'	2300'	Shale w/interbedded siltstone			
Fruitland	2300'	2810'	Interlayered shale and siltstone w/coal beds near the base			
Pict. Cliffs	2810'	2870'	Sandstone			
Lewis	2870'	4470'	Shale			
Cliffhouse	4470'	4590'	Sandstone w/interlayered siltstone			
Menefee	4590'	4920'	Interbedded siltstone and shale			
Pt. Lookout	4920'	5390'	Sandstone grading into siltstone and shale at base			
Mancos	5390'	6336'	Shale			
Gallup	6336'	7080'	Shale w/interbedded siltstone	Greenhorn	7080'	
Graneros	7130'	7186'	Shale			
Dakota	7186'	TD	Sandstone, siltstone and shale			

NOTE: All depths expressed in terms of KB.