

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 ☐										5. LEASE DESIGNATION AND SERIAL NO. NM-7951	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐										6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Tenneco Oil Company										7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 1860 Lincoln St., Suite 1200, Denver, Colorado 80295										8. FARM OR LEASE NAME Leonard Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 660' FSL and 660' FEL At top prod. interval reported below At total depth Unit P										9. WELL NO. 9	
14. PERMIT NO.										12. COUNTY OR PARISH Lea	
DATE ISSUED										13. STATE New Mexico	
15. DATE SPUDDED 7-31-77		16. DATE T.D. REACHED 8-9-77		17. DATE COMPL. (Ready to prod.) 8-22-77		18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 2999.5' GL		19. ELEV. CASINGHEAD			
20. TOTAL DEPTH, MD & TVD 3555'		21. PLUG, BACK T.D., MD & TVD 3551'		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY →		ROTARY TOOLS 0-TD			
								CABLE TOOLS None			
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Leonard Queen South = 3325' - 3470'								25. WAS DIRECTIONAL SURVEY MADE Yes			
26. TYPE ELECTRIC AND OTHER LOGS RUN DIL, Micro SFL, CNL FDC, GR Caliper								27. WAS WELL CORRED No			
28. CASING RECORD (Report all strings set in well)											
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD			
8-5/8"		32#		505'		12-1/4"		520 sacks			
5-1/2"		23#		3551'		7-7/8"		1100 sacks			
29. LINER RECORD											
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)			
30. TUBING RECORD											
SIZE		DEPTH SET (MD)		PACKER SET (MD)							
2-7/8"		3431'		None Set							
31. PERFORATION RECORD (Interval, size and number) Leonard Queen South Perf'd 36 holes from 3380' - 3440'						32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
						DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED			
						3330' - 3440'		Acidized with 1000 gallons of 15% HCL			
								Frac'd with 25,500 lbs. of 20/40 mesh sand.			
33.* PRODUCTION											
DATE FIRST PRODUCTION 8-22-77		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping, Rod Pump						WELL STATUS (Producing or shut-in) Producing			
DATE OF TEST 9-5-77		HOURS TESTED 24 hours		CHOKE SIZE		PROD'N. FOR TEST PERIOD →		OIL—BBL. 64			
								GAS—MCF. 42			
								WATER—BBL. 120			
								GAS-OIL RATIO 656			
FLOW, TUBING PRESS. 25		CASING PRESSURE 25		CALCULATED 24-HOUR RATE →		OIL—BBL. 64		GAS—MCF. 42			
								WATER—BBL. 120			
								OIL GRAVITY-API (CORR.)			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold.								TEST WITNESSED BY			
35. LIST OF ATTACHMENTS Logs have already been mailed to your office.											
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records											
SIGNED <u>A. D. Myers</u>		TITLE <u>Div. Production Manager</u>				DATE <u>9-9-77</u>					

*(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
Rustler	970	1095	Anhydrite			
Salado	1095	2450	Salt			
Yates	2600	2900	Dolo., Sd.			
Seven Rivers	2900	3325	Dolo., Sd.			
Queen	3325	3470	Dolo., Sd.			
Penrose	3470		Dolo., Sd.			