

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICAT.

(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 1650' FSL and 1650' FWL At top prod. interval reported below At total depth Unit K		9. WELL NO. 3	
14. PERMIT NO.		13. STATE New Mexico	
DATE ISSUED		12. COUNTY OR PARISH Lea	
15. DATE SPUDDED 9-13-77	15. DATE T.D. REACHED 9-16-77	17. DATE COMPL. (Ready to prod.) 10-12-77	18. ELEVATIONS (DF, BSB, BT, GR, ETC.)* 2994' GL
19. ELEV. CASING HEAD	20. TOTAL DEPTH, MD & TVD 3642'		
21. PLUG, BACK T.D., MD & TVD 3605'		22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY →
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Leonard Queen South = 3340' - 3642'		25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN DL, Dual Laterolog, PFC Log.		27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
10-3/4"	40#	279'	unknown
7"	20#	3342'	unknown
29. LINER RECORD		30. TUBING RECORD	
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
4-1/2"	3178'	3642'	75
31. PERFORATION RECORD (Interval, size and number) Leonard Queen South 48 holes from 3552' - 3498'		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
33.* PRODUCTION		AMOUNT AND KIND OF MATERIAL USED	
DATE FIRST PRODUCTION 10-9-77	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping, Rod Pump	Acidized with 2000 gallons of 15% HCL	
DATE OF TEST 10-13-77	HOURS TESTED 24 hours	CHOKE SIZE None	PROD'N. FOR TEST PERIOD →
FLOW. TUBING PRESS. 30	CASING PRESSURE 30	CALCULATED 24-HOUR RATE →	OIL—BBL. 10
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. Ryan</u>		TITLE <u>Div. Production Manager</u>	
DATE <u>10-20-77</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.), formations 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 Comm": 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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Rustler	925'	1038'	Anhydrite			
Salado	1038'	2570'	Salt			
Yates	2570'	2985'	Dolo., Sd.			
7 Rivers	2985'	3340'	Dolo., Sd.			
Queen	3340'	3480'	Dolo., Sd.			
Penrose	3480'		Dolo., Sd.			