

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 Bros.	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 660' FSL and 1980' FEL At top prod. interval reported below At total depth										9. WELL NO. 5	
14. PERMIT NO. Unit 0 DATE ISSUED										10. FIELD AND POOL, OR WILDCAT Leonard Queen South	
15. DATE SPUDDED 9-4-77 16. DATE T.D. REACHED 9-10-77 17. DATE COMPL. (Ready to prod.) 9-16-77 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3005.3' GL 19. ELEV. CASINGHEAD										11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 13, T26S, R37E	
20. TOTAL DEPTH, MD & TVD 3608' 21. PLUG, BACK T.D., MD & TVD 3561' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 0-TD ROTARY TOOLS CABLE TOOLS None										12. COUNTY OR PARISH Lea 13. STATE New Mexico	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Leonard Queen South 3402' - 3581'										25. WAS DIRECTIONAL SURVEY MADE Yes	
26. TYPE ELECTRIC AND OTHER LOGS RUN MIL, DIL, Comp. Density & Neutron logs										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	
8-5/8"		32#		512'		12-1/4"		520 sacks		None	
5-1/2"		23#		3608'		7-7/8"		950 sacks		None	
29. LINER RECORD											
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)			
none											
30. TUBING RECORD											
SIZE		DEPTH SET (MD)		PACKER SET (MD)							
none set											
31. PERFORATION RECORD (Interval, size and number) Leonard Queen South Perf'd 39 holes from 3480' - 3553'						32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
						DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED			
						3480' - 3553'		Acidized with 1500 gallons of 15% HCL			
								Frac'd with 25,500			
33.* PRODUCTION											
DATE FIRST PRODUCTION 9-16-77		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping						WELL STATUS (Producing or shut-in) Producing			
DATE OF TEST 9-19-77		HOURS TESTED 24 hours		CHOKE SIZE		PROD'N. FOR TEST PERIOD		OIL—BBL. 30		GAS—MCF. 36	
								WATER—BBL. 127		GAS-OIL RATIO 1200	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL. 30		GAS—MCF. 36		WATER—BBL. 127	
none		25								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>D. L. Meyer</u>				TITLE <u>Div. Production Manager</u>				DATE <u>9-26-77</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:				38. GEOLOGIC MARKERS		
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		DESCRIPTION, CONTENTS, ETC.		TOP		
FORMATION	TOP	BOTTOM		NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Queen Main Pay	3402	3444	Sand - Oil	Rustler Anny	945	945
				Salado Salt	1077	1077
				Base Salt	2438	2438
				Rhodes Marker	2875	2875
				Queen Main Pay	3402	3402
Penrose	3478	3581	Sand - Oil	Queen Penrose	3478	3478