

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-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 1650' FSL and 990' FEL, Unit I At top prod. interval reported below At total depth				9. WELL NO. 2	
14. PERMIT NO. _____ DATE ISSUED _____				10. FIELD AND POOL, OR WILDCAT Leonard Queen South	
15. DATE SPUDDED 2/15/77				11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 13, T26S, R37E	
16. DATE T.D. REACHED 2/27/77				12. COUNTY OR PARISH Lea	
17. DATE COMPL. (Ready to prod.) 3/21/77				13. STATE New Mexico	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 2998.2' GL				19. ELEV. CASINGHEAD	
20. TOTAL DEPTH, MD & TVD 3595'		21. PLUG, BACK T.D., MD & TVD 3543'		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY →				24. ROTARY TOOLS 0-TD	
25. CABLE TOOLS None				26. WAS DIRECTIONAL SURVEY MADE Yes	
27. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Leonard Queen South = 3420'-3512'				28. WAS WELL CORED Yes	
29. TYPE ELECTRIC AND OTHER LOGS RUN GRL Cement Bond Log					
30. CASING RECORD (Report all strings set in well)					
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)	
8-5/8"		24#		510'	
5-1/2"		15.5#		3595'	
31. LINER RECORD					
SIZE		TOP (MD)		BOTTOM (MD)	
32. TUBING RECORD					
SIZE		DEPTH SET (MD)		PACKER SET (MD)	
2-7/8"		3474'		None Set	
33. PERFORATION RECORD (Interval, size and number)					
Leonard Queen South Formation					
1 JSPF from 3446'-3453'					
1 JSPF from 3456'-3466'					
34. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED			
3446'-3466'		Acidized with 800 gals. of 15% HCL. Frac'd with 25,000 gal. 2% KCL and 20,000 lbs. of 20/40 mesh sand.			
35. PRODUCTION					
DATE FIRST PRODUCTION 3/19/77		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping 1-1/2" Guiberson Pump			WELL STATUS (Producing or shut-in) Pumping
DATE OF TEST 3/20/77	HOURS TESTED 24	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL. 99	GAS—MCF. 25
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL. 99	GAS—MCF. 25	WATER—BBL. 62 Load Water
					GAS-OIL RATIO 250
					OIL GRAVITY-API (CORR.)
36. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Flared until pipeline hookup.					
37. TEST WITNESSED BY					
38. LIST OF ATTACHMENTS Logs have already been mailed to your office by our Geologic Engineering Section.					
39. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED _____		TITLE Division Production Manager		DATE 5-22-77	

*(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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Rustler	955'	1185'	Anhydrite			
Salado	1185'	2490'	Salt			
Tansill	2490'	2640'	Anhydrite			
Yates	2640'	2904'	Dolo, Anhyd, Sd			
7 Rivers	2904'	3420'	Dole, Anhyd, Sd			
Queen	3420'	3512'	Sd, Dolo.			
Penrose	3512'	not penetrated	Sd, Dolo.			
TJ	3609'					