

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 720 So. Colorado Blvd., Denver, Colorado 80223				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 660' FWL, Unit M At top prod. interval reported below At total depth				9. WELL NO. 7	
14. PERMIT NO.				12. COUNTY OR PARISH Lea	
15. DATE SPUDDED 10/17/77				13. STATE New Mexico	
16. DATE T.D. REACHED 10/27/77		17. DATE COMPL. (Ready to prod.) 12/6/77		18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 2993.4' GL	
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 3834'		21. PLUG, BACK T.D., MD & TVD 3771'	
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)* Leonard Queen South 3368' - 3504'	
25. WAS DIRECTIONAL SURVEY MADE Yes		26. TYPE ELECTRIC AND OTHER LOGS RUN DLL/MLL/GR, CN/CDL/GR		27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)					
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)	
3-5/8"		32#		517'	
5-1/2"		23#		3832'	
29. LINER RECORD					
SIZE		TOP (MD)		BOTTOM (MD)	
30. TUBING RECORD					
SIZE		DEPTH SET (MD)		PACKER SET (MD)	
2-7/8"		3363'		None Set	
31. PERFORATION RECORD (Interval, size and number)					
Leonard Queen South Perf'd 25 holes from 3368' - 3388' Perf'd 16 holes from 3393' - 3412'					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED			
3368' - 3412'		Acidized with 2,000 gallons of HCL water.			
		Frac'd with 22,500 lbs of 20/40 mesh sand			
33. PRODUCTION					
DATE FIRST PRODUCTION 12/6/77		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping (SI 1/4/78 pending evaluation)			WELL STATUS (Producing or shut-in) Producing
DATE OF TEST 12/11/77		HOURS TESTED 24 hours		CHOKE SIZE None	
PROD'N. FOR TEST PERIOD		OIL—BBL. 5		GAS—MCF. 3	
WATER—BBL. 328		GAS-OIL RATIO 600			
FLOW. TUBING PRESS. 30		CASING PRESSURE 30		CALCULATED 24-HOUR RATE	
OIL—BBL. 5		GAS—MCF. 3		WATER—BBL. 328	
OIL GRAVITY-API (CORR.) 37.3					
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold.					
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>Division Production Manager</u>		DATE <u>1-20-78</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
Queen (Main Pay)	3368	3420	Dolomitic Sandstone, water	Top/Anhydrite	953	
Penrose	3450	3504	Dolomitic Sandstone, Not tested	Base/Salt	2415	
				Top/Queen Fm.	3308	

OIL CONSERVATION COMM.
HUBBS, N. M.

JAN 8 1978