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UNITED STATES

SUBMIT IN DUPLI 3\*

Form approved.  
Budget Bureau No. 42-R355.5.

DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

(See inner in-  
structions on  
reverse side)

RECEIVED

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESV. ☐

2. NAME OF OPERATOR  
Shenandoah Oil Corporation ✓

3. ADDRESS OF OPERATOR  
1500 Commerce Building - Fort Worth, Texas - 76102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface Unit "H" - 1650' FNL & 330' FEL Sec.30-18S-31E

At top prod. interval reported below

At total depth Same

RECEIVED

14. PERMIT NO. FEB 9 1978 DATE ISSUED

5. LEASE DESIGNATION AND SERIAL NO.

LC 029387(b)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Shugart "D"

9. WELL NO.

11

10. FIELD AND POOL, OR WILDCAT

Shugart (Y, SR, Dn, GR)

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 30 - T18S - R31E

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

15. DATE SPUDDED 12-28-77 16. DATE T.D. REACHED 1-4-78 17. DATE COMPL. (Ready to prod.) 1-12-78 18. ELEVATIONS (DF, REB, RT, GR, ETC.)\* 3619 Gr 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 3840 21. PLUG, BACK T.D., MD & TVD 3810 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY Rotary 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* Penrose - 3387 - 3448' Grayburg - 3733 - 3779' 25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN Compensated Neutron & Cement Bond Log 27. WAS WELL CORED No

28. CASING RECORD (Report all strings set in well)					
CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	23	758	11"	250 sx Lite; 100 sx Class C	None
5-1/2"	14	3840	7-7/8"	900 sx Lite; 385 sx Class H	None

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
Grayburg: 3739-43' and 3756-68' w/2 JSPF		DEPTH INTERVAL (MD)	
Penrose: 3392-3406' w/2 JSPF		3392-3406'	1000 gals 15% NE, 40,000 gals gelled brine & 480 sx sand
		3739-3768'	1000 gals. 15% NE, 30,000 gals. gelled brine & 340 sx sand

33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
1-18-78		Pumping - 2 x 2-1/2 x 12				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
1-22-78	24	--	→	115	110	135	956
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
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34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Used for fuel TEST WITNESSED BY Dale Boland

35. LIST OF ATTACHMENTS Two logs -- Cement Bond Log and Compensated Neutron Log

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED C. W. Downey, Jr. TITLE Mgr., W. Texas-New Mexico Div. DATE January 23, 1978

\*(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 DUAL-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
Penrose	3387	3448	Oil and water	Top Salt	780	
				Base Salt	1840	
				Top Yates	2315	
				Top Queens	3148	
				Top Penrose	3387	
Lower Grayburg	3733	2778	Oil and water	Top Grayburg	3617	