

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.5. LEASE DESIGNATION AND SERIAL NO.
NM 12211

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Shugart "B"

9. WELL NO.

510. FIELD AND POOL, OR WILDCAT
Shugart Y, SR, Q, GR

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

Section 33, T17S, R31E

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☐ Other **Re-entry**

b. TYPE OF COMPLETION:

NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other **Injection**

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 **330' FNL and 330' FWL section 33, T17S, R31E, D.C.C.**

At top prod. interval reported below

Eddy County, New Mexico

At total depth

14. PERMIT NO.

DATE ISSUED

5. DATE SPUNDED
Re-entry started on 8/4/7216. DATE T.D. REACHED
8/6/7217. DATE COMPL. (Ready to prod.)
for injection 8/10/7218. ELEVATIONS (DF, RKB, RT, GR, ETC.)*
3604' DF19. ELEV. CASINGHEAD
Est. 3598'20. TOTAL DEPTH, MD & TVD
Orig. P.D. 3855'21. PLUG BACK T.D., MD & TVD
PBTD 2839'22. IF MULTIPLE COMPL., HOW MANY*
Single - Yates23. INTERVALS DRILLED BY
Reverse UnitROTARY TOOLS
Reverse Unit

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

**2666' - 2676' -- Yates Fm.
2713' - 2719'**25. WAS DIRECTIONAL SURVEY MADE
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26. TYPE ELECTRIC AND OTHER LOGS RUN

Gamma Ray - Neutron by V. S. Welch 3/12/62

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"	Unknown	700'	* 10"	60 sacks in 1962	575' in 1962
5-1/2"	Unknown	3,855'	3 1/4"	300 sacks in 1962	1,846' in 1962
* 1962 completion report shows 11" should be 10" -- unable to get 11" bit in hole.					

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
5-1/2"	surface	1846'	225 sacks of 4 1/2" Ca ₁₂	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8" EVE plastic lined	2609'	2610'

31. PERFORATION RECORD (Interval, size and number)

**2666'-2676' (10' 2 P) 20 holes
2713'-2719' (6' 2 SP) 12 holes
Total 32 holes**

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
2666 - 2676	1,500 gals 15% NE HCL acid
2713 - 2719	

33.* PRODUCTION

DATE FIRST PRODUCTION

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)
Completed as water injection well 8/10/72WELL STATUS (Producing, or shut in)
shut in pending completion facilities

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	GRAVITY (API GRAV.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY
U.S. GEOLOGICAL SURVEY

35. LIST OF ATTACHMENTS

(1) copy of detail section of GR-Neutron log ran 3/12/72 (2) Demoton log

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

SIGNED

T. P. Baten

TITLE

Vice President

DATE

8/17/72

*(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 38, 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.)

Formation Record as filed by Iverson & Welch in 1952.

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 TOP TRUE VERT. DEPTH
Surface & Test Bed	0	605		Tops picked from log:	
Anhy. Salt, Shale	505	1990		Base Salt	1990
Anhy. Lime, Shale	1990	2290		Queen	3322
Limy Sand	2290	2320		Penrose	3570
Dolomite	2320	2330			+ 1614
Dolomitic Sd.	2350	2410			+ 284
Dolomite w/sand stringers	2410	2655			+ 34
Sand (oil)	2565	2600			
Dolomite	2680	2710			
Sand (oil)	2710	2730			
Dolomite w/sand stringers	2730	2800	PEL		
Note: 5 1/2" casing was run with 5 1/2" nipple and tied into cut off 5 1/2" casing at 1845'. The 5 1/2" casing was pressured to 1,000# for 30 minutes. No bleed off. 1 1/2" tubing was run outside 5 1/2" casing to 570' and cemented with 225 sacks with 4 1/2 Ca Cl2. Cement circulated at surface.					