

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Copy to 3F  
Form approved.  
Budget Bureau No. 42-R1425.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL ☐ RE-ENTRY ☐ PLUG BACK ☐  
 DEEPEN ☒

b. TYPE OF WELL  
 OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

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 1650' FSL and 990' FWL Section 29 - T18S - R31E  
 Unit Letter "L"  
 At proposed prod. zone Same  
 MAR 29 1977

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 12 miles SW Loco Hills, New Mexico  
 D. C. C.

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
 1,320'

16. NO. OF ACRES OF ACRES ASSIGNED TO THIS WELL  
 40

17. PROPOSED DEPTH  
 3,800'

18. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 3,583' Gr

22. APPROX. DATE WORK WILL START\*  
 April 5, 1977

5. LEASE DESIGNATION AND SERIAL NO.  
 LC 029387(a)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 Shugart "A"

9. WELL NO.  
 5

10. FIELD AND POOL, OR WILDCAT  
 Shugart

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Sec. 29 - 18 - 31

12. COUNTY OR PARISH  
 Eddy

13. STATE  
 New Mexico

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8"	4-1/2"	9.5	3,800'	400 sx

T. D. now 3,762'; 8-5/8" casing set @ 691' w/75 sx; 7" casing @ 2,725' w/100 sx; well now T.A. in Yates; Perfs: 2,540' to 2,555'

1. Intend to perforate @ approximately 750' and cement 7" to surface.
2. Intend to squeeze off Yates Pay @ 2,540' to 2,555'
3. Intend to drill out shoe on 7" pipe and clean out to T. D.
4. Run and cement 4-1/2" 9.5# pipe @ approximately 3,800'
5. Perforate and treat Grayburg, Penrose and Queens Zones
6. Test and put on production.

RECEIVED  
MAR 25 1977  
U.S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present production zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and vertical depths. Give blowout preventer program, if any.

24. SIGNED C. W. Downey, Jr. TITLE Operations Superintendent DATE March 23, 1977  
 (This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

TITLE File 2-102 DATE \_\_\_\_\_  
if a production

\*See Instructions On Reverse Side