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SUBMIT IN TRIPLICATE\*

Form approved.  
Budget Bureau No. 42-R1425.UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

RECEIVED

MAR - 1 1978

Copy to S. F.  
30-015-22431

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☒GAS  
WELL ☐OTHER ☐SINGLE  
ZONE ☐MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Shenandoah Oil Corporation

## 3. ADDRESS OF OPERATOR

P.O. Box 1027 - Odessa, Texas 79760  
1500 Commerce Building Fort Worth, Texas - 76102

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

Unit "E" - 1650 FNL and 990' FWL Section 29 - T18S - R-31E

At proposed prod. zone

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

14 miles southeast of Loco Hills, New Mexico

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

990

## 16. NO. OF ACRES IN LEASE

160

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

660

## 19. PROPOSED DEPTH

3,850

## 20. ROTARY OR CABLE TOOLS

Rotary

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3,627 Gr

## 22. APPROX. DATE WORK WILL START\*

March 1, 1978

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11-1/4"	8-5/8"	24#	750	Circulate
7-7/8"	5-1/2"	14#	3,850	Circulate

It is planned to drill to TD at 3,850', run Sidewall Neutron and Caliper Logs; set pipe to TD; cement to surface if possible; perforate and complete in Penrose and Grayburg Formations.

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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 productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

## 24.

SIGNED

C. W. Downey, Jr.

TITLE Division Mgr., WT-NM Div.

DATE February 2, 1978

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

FEB 28 1978

APPROVED BY

Lee D. Lara

TITLE ACTING DISTRICT ENGINEER

DATE FEB 28 1978

CONDITIONS OF APPROVAL, IF ANY:

THIS APPROVAL IS RESCINDED IF OPERATIONS  
ARE NOT COMMENCED WITHIN 3 MONTHS.

EXPIRES MAY 28 1978

\*See Instructions On Reverse Side