

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Injection

SINGLE ZONE ☒

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Shenandoah Oil Corporation

3. ADDRESS OF OPERATOR

1500 Commerce Building; Fort Worth, Texas

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

At surface

330' FNL & 330' FWL Sec. 33, T-18S, R-31E, Eddy County
New Mexico

At proposed prod. zone

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

8 miles SE Loco Hills, New Mexico

15. DISTANCE FROM PROPOSED*

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

330

16. NO. OF ACRES IN LEASE

480

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.

4,620 N

19. PROPOSED DEPTH

C.O. 2,900 O.T.O. 3,855

20. ROTARY OR CABLE TOOLS

Rotary

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

3,604' D.F.

22. APPROX. DATE WORK WILL START*

7/31/72

23.

Record of PROPOSED CASING AND CEMENTING PROGRAM Cemented in 1962

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
<u>11</u>	<u>8 5/8"</u>		<u>600 to 700' *</u>	<u>300 60 SX in 1962</u>
<u>6 1/4</u>	<u>5 1/4" 5 1/2"</u>		<u>1,800 - 3,855'</u>	<u>300 SX in 1962</u>

1. Run 11" bit to top of 8 5/8" @600' and then use 7 7/8" bit to top of 5 1/2" @1,800'.
2. Run 5 1/2" casing with di-nipple and latch onto 5 1/2" in hole.
3. Run 1" outside 5 1/2" and circulate cement to surface.
4. Perforate Yates - 2,660' - 2,730'.
5. Run 2 3/8" o.d. plastic coated tubing and set on tension type packer @2,600'. Load annulus with inert fluid.
6. Hook up well head and put to injection.

*In 9/62 1,800' of 5 1/2" casing was pulled from well as well as 600' of 8 5/8" casing. Well was plugged with mud and cement to surface.

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 flowout preventer program, if any.

24.

SIGNED

Neil F. Toler

TITLE

Manager-Secondary Rec.

DATE

July 31, 1972

(This space for Federal or State office use)

AUG 4 1972

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DISTRICT ENG.

DATE

AUG 4 1972

CONDITIONS OF APPROVAL, IF ANY

THIS APPROVAL IS RESCINDED IF OPERATIONS
ARE NOT COMMENCED WITHIN 3 MONTHS
EXPIRES 11-4-72

PROPOSED OPERATIONS WILL NOT
AFFECT ENVIRONMENT SIGNIFICANTLY

*See Instructions On Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal 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.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

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 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0