

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL RE DEEPE~~N~~ V E D PLUG BACK

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

2. NAME OF OPERATOR
 Shenandoah Oil Corporation **MAR 4 1971**

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface
 320' FNL 1980' FWL, Sec. 28, T-18S, R-31E
 At proposed prod. zone **Queens - 3284-3290', 3296-3306', 3542-3550', 3574-3582'**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approx. 15 miles SW/Maljamar, New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) **660'**

16. NO. OF ACRES IN LEASE **120**

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. **1320'**

19. PROPOSED DEPTH **3630'**

20. ROTARY OR CABLE TOOLS
Reverse Unit

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3630' GR

22. APPROX. DATE WORK WILL START*
March 8, 1971

5. LEASE DESIGNATION AND SERIAL NO.
LC 029390 (a)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Keohane et al "B" Federal

9. WELL NO.
2

10. FIELD AND POOL, OR WILDCAT
Shugart Y, SK, Q, W.R.

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 28, T-18S, R-31E

12. COUNTY OR PARISH
Sady

13. STATE
New Mexico

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
	SEE BELOW			

This well was completed by Gulf Oil Corporation in March, 1962 and was plugged by the same operator November, 1965. The original total depth was 3,645' PBTD 3,830'.

Casing Record - 8 5/8" 24# set at 254' w/160 sacks.
4 1/2" 25# set at 3,645' w/600 sacks.

Plugging Record - Nov. 30, 1965 - Set cement plug 3200'-3630' (35 sks). Set top plug (10 sks) 0'-90'.

It is planned to drill out plugs to T.D. 3630'. Perforate and test the above intervals of the Queens formation. Well to be completed as an oil producer if completion is successful.

Attached plat is acceptable as certified well location survey plat only.

RECEIVED

MAR 31 1971

**U. S. GEOLOGICAL SURVEY
ARTESIAN NEW MEXICO**

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productivity and proposed new zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true dip and preventer program, if any.

24. SIGNED T. P. Bates TITLE Vice President DATE 3/1/71

(This space for Federal or State office use)

PERMIT NO. _____

APPROVED
MAR 3 - 1971
 R. L. BECKMAN
 ACTING DISTRICT ENGINEER

APPROVAL IS RECESSED IF OPERATIONS ARE NOT COMMENCED WITHIN 3 MONTHS.
JUN 3 - 1971
 *See Instructions On Reverse Side

NMOC will not grant allowable for this well until Dedication plat (NMOC Form C-102) certified by Shenandoah Oil Corp. is filed.

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. Consult local State or Federal office for specific instructions.

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.