

Form 9-331 C  
(May 1963)SUBMIT IN PLICATE\*  
(Other instructions on  
reverse side)Form approved.  
Budget Bureau No. 42-R1425.UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

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

Federal Kochane et al "B"

9. WELL NO.

3

10. FIELD AND POOL, OR WILDCAT

Shugart

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

Sec. 28, T-18S, R-31E

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

1a. TYPE OF WORK

DRILL ☐

Re-Entry

DEEPEN ☒PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☒GAS  
WELL ☐

OTHER

RECEIVED

SINGLE  
ZONE ☐MULTIPLE  
ZONE ☒

2. NAME OF OPERATOR

Shenandoah Oil Corporation

DEC 19 1972

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

1,980' FNL &amp; 1,980' FWL of Sec. 28, T-18S, R-31E,

At proposed prod. zone

Eddy County, New Mexico

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

8 miles SE 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)

330

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.

660

19. PROPOSED DEPTH

3,600 (TD 3,650)

20. ROTARY OR CABLE TOOLS

Rotary

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

3,621 G.L.

22. APPROX. DATE WORK WILL START\*

12/12/72

23. Record of ~~PROPOSED~~ CASING AND CEMENTING ~~DEEPENING~~ in 1962

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT          |
|--------------|----------------|-----------------|---------------|-----------------------------|
| 12 1/4       | 8 5/8          | 24              | 259           | 150 Circulate               |
| 7 7/8        | 4 1/2          | 9.5             | 3,646         | 565 (DV. Tool #793)         |
|              |                |                 |               | Circulate approx.<br>40 sk. |

1. Drill out inside 4 1/2" casing to 3,000.
2. Perforate Queen Section: 3,280-88'; 3,292-98'; 3,304-08'.
3. Perforate Penrose Section: 3,558-70'.
4. Run Pat. bridge plug, packer and tubing. Acidize and fracture treat the Queen and the Penrose Sections individually.
5. Run tubing, pump, rods and pump. Test perforated intervals.

Formerly Gulf Oil Corp.  
P+A 6-22-72RECEIVED  
DEC 14 1972  
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

Neil F. Toler

TITLE

Manager/Secondary Rec DATE December 8, 1972

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

DATE

APPROVED BY  
CONDITIONS OF APPROVAL, IF ANY:L. L. BECKWITH  
AGRICULTURAL ENGINEERTHIS APPROVAL IS NOT VALID IF OPERATIONS  
ARE NOT COMMENCED WITHIN 3 MONTHS.  
EXPIRES  
MAR 10 1973

\*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.

/ MEXICO OIL CONSERVATION COMMISS. N  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

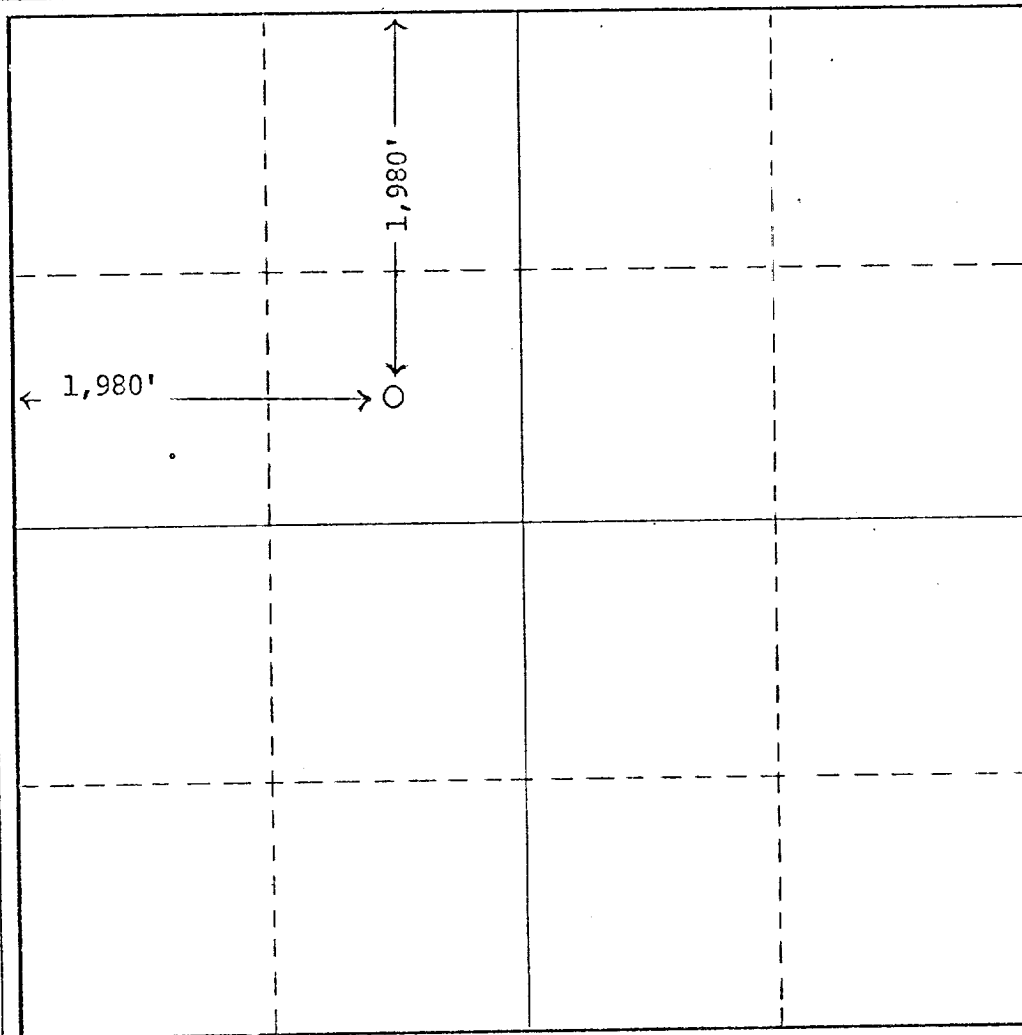
|                                                                                                                                  |                                     |                        |                                                                            |                       |                                       |
|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------------|----------------------------------------------------------------------------|-----------------------|---------------------------------------|
| Operator<br><b>SHENANDOAH OIL CORPORATION</b>                                                                                    |                                     |                        | Lease <i>Keohane et al B Federal</i><br><b>FEDERAL-KEOHANE "B" (et al)</b> |                       | Well No.<br><b>3</b>                  |
| Unit Letter<br><b>F</b>                                                                                                          | Section<br><b>28</b>                | Township<br><b>18S</b> | Range<br><b>31E</b>                                                        | County<br><b>Eddy</b> |                                       |
| Actual Footage Location of Well:<br><b>1,980</b> feet from the <b>West</b> line and <b>1,980</b> feet from the <b>North</b> line |                                     |                        |                                                                            |                       |                                       |
| Ground Level Elev.<br><b>3,621</b>                                                                                               | Producing Formation<br><b>Queen</b> |                        | Pool<br><b>Shugart</b>                                                     |                       | Dedicated Acreage:<br><b>40</b> Acres |

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



**CERTIFICATION**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

*Neil F. Toler*

Name  
**Neil F. Toler**

Position  
**Manager/Secondary Rec.**

Company  
**Shenandoah Oil Corp.**

Date  
**December 14, 1972**

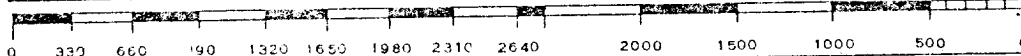
I hereby certify that the well location shown on this plat was located from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

(See original)

Date Surveyed \_\_\_\_\_

Registered Professional Engineer and/or Land Surveyor \_\_\_\_\_

Certificate No. \_\_\_\_\_



# NEW MEXICO OIL COMMUNITIZATION COMMISSION

Form O-103  
Revised 5-1-62

## ARTESIA AND ACRE OF DEDICATION PLAT

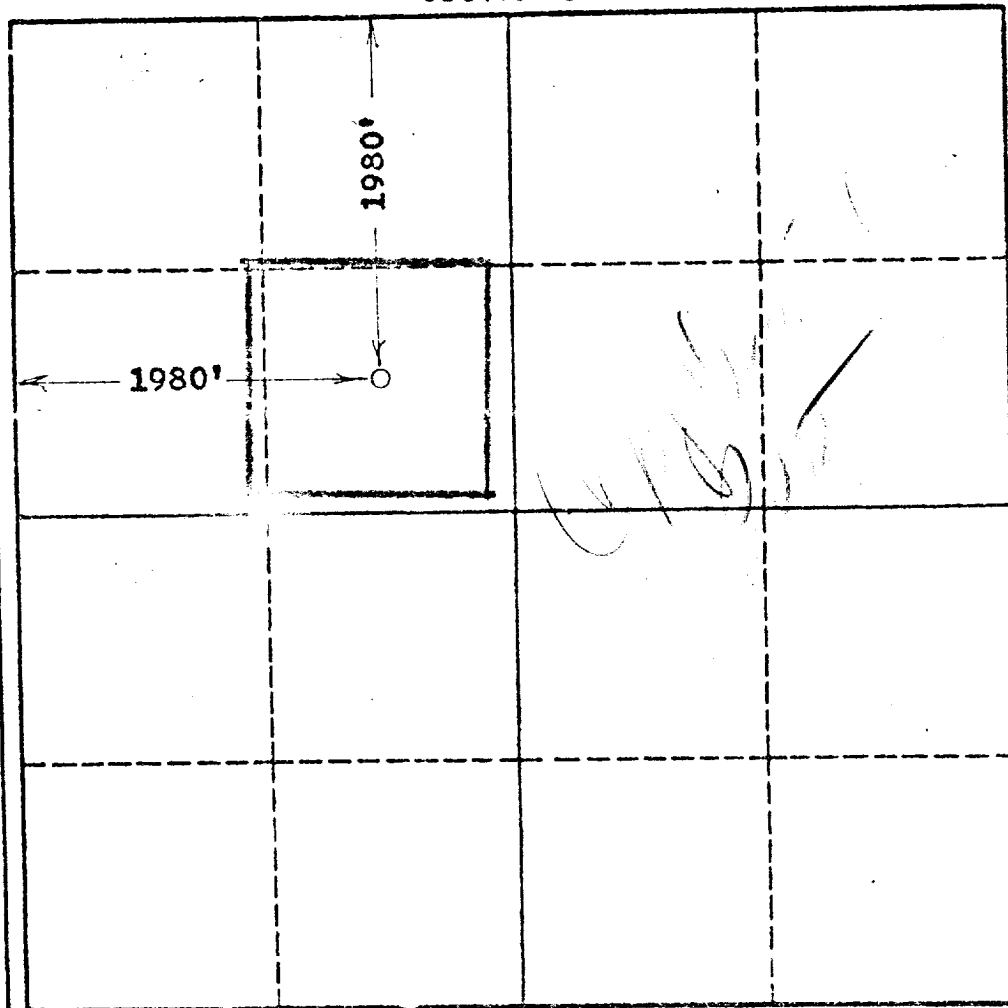
### SECTION A

|                                    |                                    |                                              |                             |                               |
|------------------------------------|------------------------------------|----------------------------------------------|-----------------------------|-------------------------------|
| Operator<br><b>Gulf Oil Corp.</b>  |                                    | Lease<br><b>Federal-Mechano "UD" (1-1-1)</b> |                             | Well No.<br><b>3</b>          |
| Unit Letter<br><b>F</b>            | Section<br><b>22</b>               | Township<br><b>18 South</b>                  | Range<br><b>31 East</b>     | County<br><b>Hddy</b>         |
| Actual Acreage Less<br><b>1980</b> |                                    | Acres<br><b>1980</b>                         |                             | feet from the<br><b>north</b> |
| Ground Level Elev.<br><b>3121</b>  | Producing Formation<br><b>1980</b> | Pool<br><b>1980</b>                          | Cedex ed Acres<br><b>10</b> |                               |

1. Is the Operator the sole owner of the indicated acreage outlined on the plat below? YES ☒ NO ☐ "Owner" means a person who has the right to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1935 Comp.)
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES ☐ NO ☐ If answer is "yes," Type of Consolidation **RECEIVED**
3. If the answer to question two is "no," list all the owners and their respective interests below:

| Owner | Land Description   |
|-------|--------------------|
|       | <b>FEB 20 1962</b> |

### SECTION B



### CERTIFICATION

I hereby certify that the information in SECTION A above is true and complete to the best of my knowledge and belief.

Name **JOHN W. WEST**  
Position **Area Production Manager**  
Company **Gulf Oil Corporation**  
Date **February 19, 1962**

I hereby certify that the information shown on the plat in SECTION B was plotted from field notes or actual survey made by the U.S. Geological Survey and is true and correct to the best of my knowledge and belief.

Date Surveyed **Jan 31, 1962**  
Registered Professional Engineer and/or Land Surveyor, **JOHN W. WEST**  
Certificate No. **1 N.M. - P.E. & L.S. NO. 679**

0 350 650 950 1250 1550 1850 2150 2450 2750 3050 3350 3650 3950 4250 4550 4850 5150 5450 5750 6050 6350 6650 6950 7250 7550 7850 8150 8450 8750 9050 9350 9650 9950 10250 10550 10850 11150 11450 11750 12050 12350 12650 12950 13250 13550 13850 14150 14450 14750 15050 15350 15650 15950 16250 16550 16850 17150 17450 17750 18050 18350 18650 18950 19250 19550 19850 20150 20450 20750 21050 21350 21650 21950 22250 22550 22850 23150 23450 23750 24050 24350 24650 24950 25250 25550 25850 26150 26450 26750 27050 27350 27650 27950 28250 28550 28850 29150 29450 29750 30050 30350 30650 30950 31250 31550 31850 32150 32450 32750 33050 33350 33650 33950 34250 34550 34850 35150 35450 35750 36050 36350 36650 36950 37250 37550 37850 38150 38450 38750 39050 39350 39650 39950 40250 40550 40850 41150 41450 41750 42050 42350 42650 42950 43250 43550 43850 44150 44450 44750 45050 45350 45650 45950 46250 46550 46850 47150 47450 47750 48050 48350 48650 48950 49250 49550 49850 50150 50450 50750 51050 51350 51650 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