

NMDC - ARTESIA  
NMDC - HUBB  
BLM - SANTA FEUNITED 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 ☐SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Sun Oil Company

## 3. ADDRESS OF OPERATOR

P. O. Box 2880, Dallas, Texas 75221

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

At surface 660' FNL &amp; 660' FEL of Sec. 29, T8S-R30E

At proposed prod. zone

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

Approximately 10 miles Southeast of Boaz.

## 15. DISTANCE FROM PROPOSED\*

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

660'

## 16. NO. OF ACRES IN LEASE

280.84

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.

1320.2'

## 19. PROPOSED DEPTH

3700'

## 20. ROTARY OR CABLE TOOLS

Rotary

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

4115' GR

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

When Approved

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------|
| 12-1/4"      | 8-5/8"         | 20#             | 300'          | 200 sks            |
| 7-7/8"       | 4-1/2"         | 9.5#            | 3700'         | 300 sks            |

From 300' to Total Depth, the hole will be drilled using Series 600 (2000 psi test) blowout prevention equipment.

A Series 600 wellhead will be used if well is successfully completed.

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. F. A. Lawrence

SIGNED



TITLE

Asst. Division Supt.

DATE

November 30, 1967

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED

RECEIVED

DATE

DEC 01 1967

\*See Instructions On Reverse Side

U. S. GEOLOGICAL SURVEY  
ROSWell, NEW MEXICO

## 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.

NEW XICO OIL CONSERVATION COMMISSION  
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.

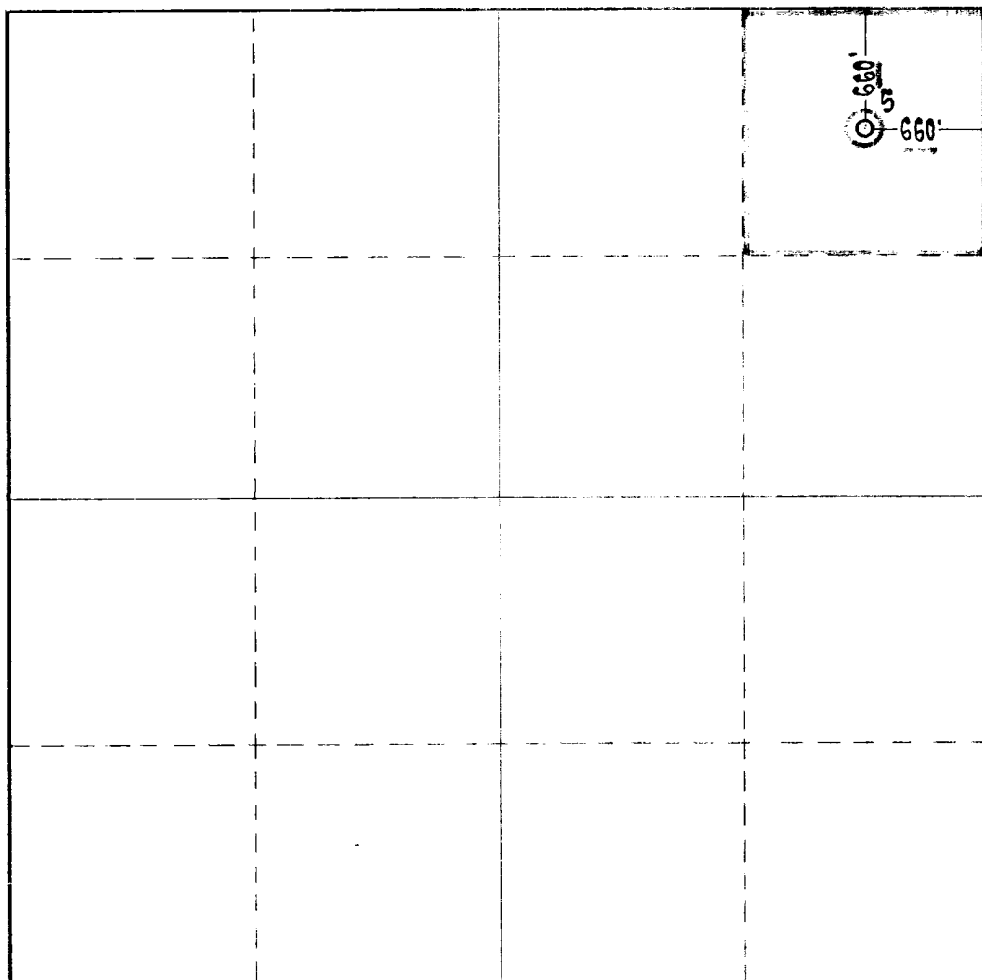
|                                                                                                                              |                                              |                                 |                           |                                       |
|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------|---------------------------|---------------------------------------|
| Operator<br><b>Sun Oil Company</b>                                                                                           |                                              | Lease<br><b>Woodman-Federal</b> |                           | Well No.<br><b>5</b>                  |
| Unit Letter<br><b>A</b>                                                                                                      | Section<br><b>29</b>                         | Township<br><b>8S</b>           | Range<br><b>30E</b>       | County<br><b>Chaves</b>               |
| Actual Surface Location of Well:<br><b>660</b> feet from the <b>North</b> line and <b>660</b> feet from the <b>East</b> line |                                              |                                 |                           |                                       |
| Ground Level Elev.<br><b>4115'</b>                                                                                           | Producing Formation<br><b>Milnesand-Cato</b> |                                 | Pool<br><b>San Andres</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.

*F. A. Lawrence*

Name  
**F. A. Lawrence**

Position  
**Asst. Division Supt.**

Company  
**Sun Oil Company**

Date  
**November 30, 1967**

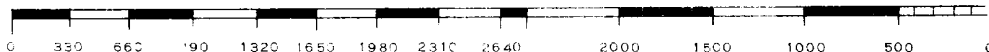
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
**11-16-67**

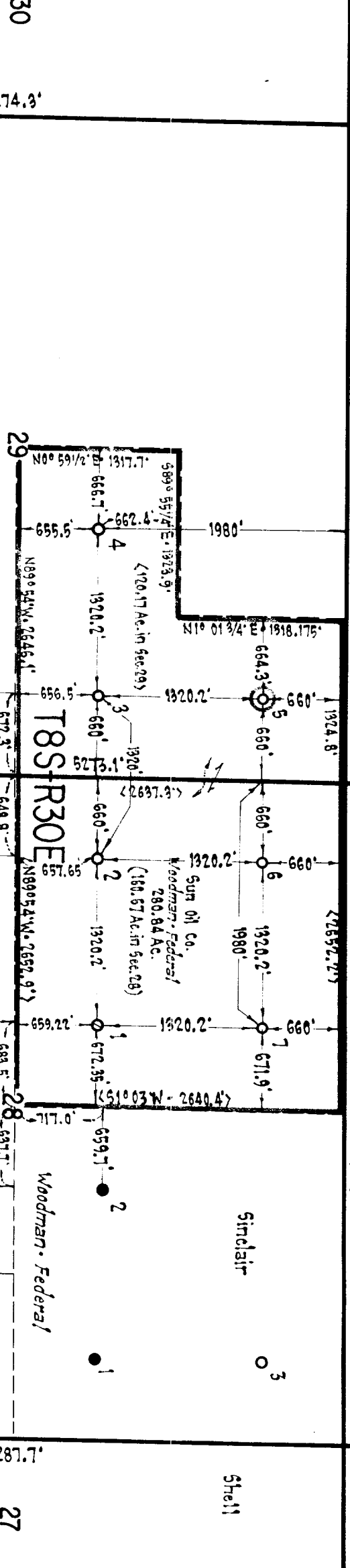
Registered Professional Engineer and/or Land Surveyor

*Robert J. Howard*

Certificate No.  
**N. M. L. S. 3080**



|    |                      |        |                          |             |                           |          |                |
|----|----------------------|--------|--------------------------|-------------|---------------------------|----------|----------------|
| 19 | 589° 52' E • 2648.9' | U.S.A. | 589° 56 1/2' E • 2649.6' | Sinclair 21 | 589° 58' E Crosby 5298.6' | Shell 22 | Federal/Hodges |
|----|----------------------|--------|--------------------------|-------------|---------------------------|----------|----------------|



|    |                      |                 |          |   |
|----|----------------------|-----------------|----------|---|
| 30 | N0° 56' E • 5274.3'  | Winkler Federal | Sinclair | 9 |
| 31 | N89° 55' W • 5206.2' | Sinclair        | Bell     | 1 |
| 32 | Bell State           |                 |          |   |
| 33 |                      |                 |          |   |
| 34 |                      |                 |          |   |

I, Robert L. Hower, Registered Public Surveyor, certify that this plat is accurately made to scale and correctly reflects all pertinent, and required data to the best of my knowledge and belief.

*Robert L. Hower*

Revised: 11-7-67, 11-17-67, 11-28-67, 11-29-67

OUT OF SEC'S 28 & 29-T8S-R30E  
CHAVES COUNTY, NEW MEXICO  
SCALE: 1" = 1000'  
NMOCC NO. 12