

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

(Other instructions on  
reverse side)

Copy of J. H.

30-015-10583

5. LEASE DESIGNATION AND SERIAL NO.

LC 063906

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Fts "F"

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wardens.  
Banshaw Deep Wolfcamp

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

Sec. 26, T-16-S, R-30-E

12. COUNTY OR PARISH

Elddy

13. STATE

New Mexico

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

Tenneco Oil Company

3. ADDRESS OF OPERATOR

Box 1031, Midland, Texas

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

At surface

660' FNL & 660' FEL Sec. 26

At proposed prod. zone

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

10. DISTANCE FROM PROPOSED\*

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

16. NO. OF ACRES IN LEASE

160

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

80

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

9000

20. ROTARY OR CABLE TOOLS

Rotary

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

3810 GL (Est.)

22. APPROX. DATE WORK WILL START\*

Upon approval

23.

PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------|
|              |                |                 |               |                    |
|              |                |                 |               |                    |
|              |                |                 |               |                    |

See prognosis and plats attached.

RECEIVED

JUN 2 1965

O. C. C.  
ARTESIA, OFFICE

RECEIVED

JUN 1 1965

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

*A. W. Lang*

A. W. Lang

TITLE

Dist. Prod. Superintendent

DATE

May 27, 1965.

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED

CONDITIONS OF APPROVAL, IF ANY:

JUN 1 1965  
*Rudolph C. Baier, Jr.*  
RUDOLPH C. BAIER, JR.  
ACTING DISTRICT ENGINEER

TITLE

DATE

\*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.

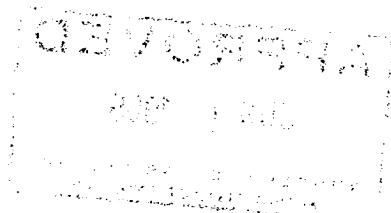
**Item 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

**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.



**NEW MEXICO OIL CONSERVATION COMMISSION**  
**WELL LOCATION AND ACREAGE DEDICATION PLAT**

FORM C-128  
 Revised 5/1/57

**SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE**

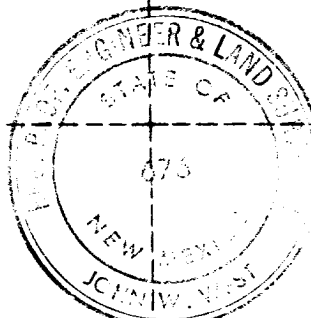
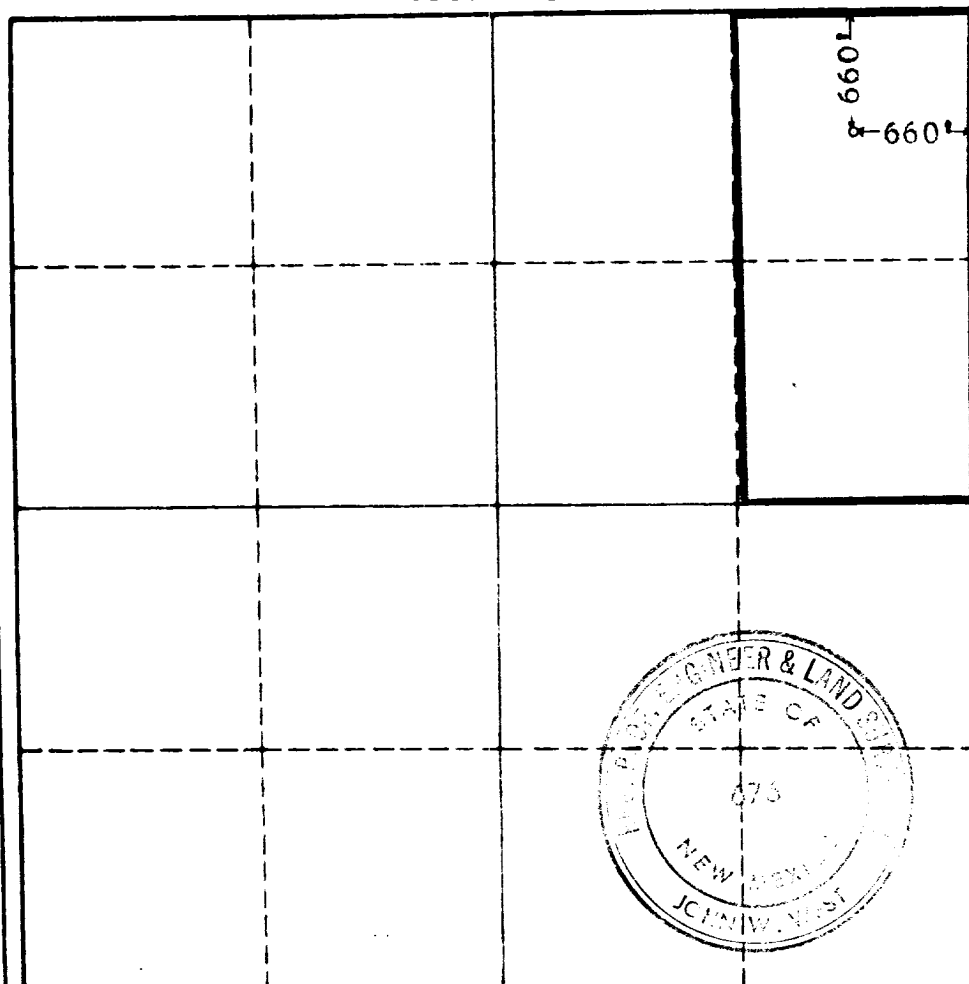
**SECTION A**

|   |                                      |                             |   |                       |
|---|--------------------------------------|-----------------------------|---|-----------------------|
| Operator<br><b>TENNECO OIL CO.</b>  |                                      | Lease<br><b>Etz "B"</b>     |   | Well No.<br><b>1</b>  |
| Unit Letter<br><b>A</b>   | Section<br><b>26</b>                 | Township<br><b>16 South</b> | Range<br><b>30 East</b>                 | County<br><b>Eddy</b> |
| Actual Footage 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>5000 ft.</b>   | Producing Formation<br><b>Albany</b> | Pool<br><b>Under</b>        | Dedicated Acreage:<br><b>0.00</b> Acres |                       |

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES ☒ NO ☐ ("Owner" means the person who has the right to drill into and 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 \_\_\_\_\_
3. If the answer to question two is "no," list all the owners and their respective interests below:

|       |                  |
|-------|------------------|
| Owner | Land Description |
|       |                  |

**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<br><i>John W. West</i>                     |
| Position<br><b>District Eng. Superintendent</b> |
| Company<br><b>Tenneco Oil Company</b>           |
| Date<br><b>May 26, 1965</b>                     |

I hereby certify that the well location shown on the plat in SECTION B 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<br><b>5-26-65</b>  |
| Registered Professional Engineer and/or Land Surveyor, <b>JOHN W. WEST</b> |
| <i>John W. West</i>  |
| Certificate No.<br><b>N.M. - P.E. &amp; L.S. NO. 676</b>                   |

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

TENNECO OIL COMPANY

DRILLING PROCEDURE

MIDLAND DISTRICT

SOUTHWESTERN DIVISION

LEASE: Etz "B"

WELL: No. 1

FIELD: Henshaw Wolfcamp

STATE: New Mexico

LOCATION: 660' FNL, 660' FEL, Sec. 26, T-16-S, R-30-E, Eddy County, New Mexico

PROJECTED TD: 9,000'

TYPE OF WELL: Wolfcamp oil

EST. ELEV.: 3810' GL

DRILLING, CASING AND CEMENTING PROGRAM

1. Drill 15" hole to 500' with cable tools.
2. Cement 11 3/4" csg. @ 500' w/sufficient Class "C" cement w/16% gel and 5% salt (12.0 ppg, 2.7 ft<sup>3</sup>/sx) and containing 12.5# gilsonite per sack to circulate. Tail in w/100 sx Class "C". Use guide shoe with insert float and weld bar centralizers on guide shoe and next two couplings.
3. Release pressure immediately and install bradenhead.
4. Move off cable tool rig, rig up rotary rig and install BOPs.
5. Test csg. & BOPs to 500 psi for 30 min.
6. Drill 11" hole to 3100'.
7. Cement 8 5/8" csg. @ 3100' w/sufficient 50-50 Pozmix 2% gel to cover San Andres. Tail in with 150 sx Class "C" w/1% CaCl<sub>2</sub>. Use guide shoe with insert float. Weld bar centralizers on guide shoe and next two couplings.
8. Release pressure immediately. Install BOPs and test csg to 1000 psi for 30 min after 8 hrs.
9. Drill 7 7/8" hole to approx. 9,000' TD.
10. Cement 4 1/2" csg @ TD w/50-50 Pozmix Class "C" followed by sufficient Latex-Class "C" to cover all productive intervals. Use reciprocating scratchers through all productive zones.

MUD PROGRAM

|              |   |
|--------------|---|
| 0 - 500'     | Cable Tools   |
| 500 - 3100'  | Native Mud  |
| 3100 - 8000' | Fresh water. Flosal to be added for samples if necessary. |
| 8000 - TD    | Low solids gel chemical mud                               |
|              | Wt. 8.5 Vis. 35-40 WL 10 or less                          |

## Procedure to Drill

**CASING**

[illegible]

#### BLOWOUT PREVENTERS

1. Use Series 900 blowout preventers as per Company specifications.
2. When nipping up, test blowout preventer and manifold to full working pressure with cold water, or as specified by Company representative.
3. Operate blowout preventers at least once each day, or as Company representative requires.
4. An extra set of drill pipe rams will be required on location at all times while drilling or completing.
5. All choke manifolds, lines and valves will be located at the side of and away from substructure.

#### DRILL PIPE MEASUREMENTS

1. Drill pipe will be tallied at all coring, testing, logging and casing points.

#### HOLE DEVIATION

1. Deviation surveys shall be taken on every trip or every 500', whichever is first. All straight hole surveys will accompany AAODC tour sheet reports.
2. Deviation should not change more than  $1\frac{1}{2}^{\circ}$  in any 100'. If deviation exceeds  $2^{\circ}$  per 100', hole shall be plugged back and straightened.
3. Maximum deviation shall be allowed as follows:

|             |                       |               |             |
|-------------|-----------------------|---------------|-------------|
| 0 - 500     | $\frac{1}{2}^{\circ}$ | 4000 - 6000   | $4^{\circ}$ |
| 500 - 1000  | $1^{\circ}$           | 6000 - 8000   | $5^{\circ}$ |
| 1000 - 2000 | $2^{\circ}$           | 8000 - 10000  | $6^{\circ}$ |
| 2000 - 4000 | $3^{\circ}$           | 10000 - 12000 | $7^{\circ}$ |
|             |                       | 12000 - 14000 | $8^{\circ}$ |

#### DRILLING TIME

1. A recorder with torque, hook load, and rate of penetration will be used.
2. Record 1' drilling time on recorder from 500' to TD.
3. Record 10' drilling time from 4,000' to TD on Company forms.

#### LOGGING

1. Induction-Electric Survey 500-TD
2. Sonic Log 7500-TD
3. Gamma Ray 500-TD

#### SAMPLES

10' samples 4000 - TD. Samples to be washed, sacked, labeled, and tied in bundles of 100' intervals.

#### CORES

None

DRILL STEM TESTS

One DST in Wolfcamp Reef at approx. 8700'

FORMATION TOPS

|            |      |                  |      |
|------------|------|------------------|------|
| Yates      | 1440 | Yeso (Clearfork) | 5050 |
| Queen      | 2260 | Tubb             | 5720 |
| Grayburg   | 2650 | Lower Yeso       | 5850 |
| San Andres | 2980 | Abo              | 6450 |
| Glorietta  | 4440 | Wolfcamp         | 7650 |
|            |      | Wolfcamp Reef    | 8650 |

MISCELLANEOUS

1. The AAODC Daily Drilling Report will be filled out completely and neatly each 8-hour tour. One clear and legible copy will be mailed daily to Tenneco Oil Company.
2. A daily report sheet and cost sheet will be furnished by the operator for the well. The contractor's tool pusher will keep these forms current and complete. The daily cost, total cumulative cost and cumulative mud cost will be given daily along with the Tenneco morning report. At the conclusion of the well, the cost forms will be mailed to Tenneco Oil Company, P. O. Box 1031, Midland, Texas.
3. The morning report shall be called to Tenneco's Midland office as soon after 8:00 CST each weekday morning as practical. Phone number is MU 3-4621, area code 915.
4. For notifications at other than office hours, call:

Logging:

J. E. Eaton      Midland    OX 4-7668  
B. E. Desadier    Midland    MU 4-5390

Emergencies:

G. F. Daniel    Midland    MU 3-3820  
A. R. Gibson    Midland    MU 4-7545  
A. W. Lang      Midland    MU 2-3010

PREPARED BY:

G. F. Daniel

APPROVED BY:

A. R. Gibson  
A. R. Gibson  
B. E. Desadier  
B. E. Desadier  
A. W. Lang  
A. W. Lang