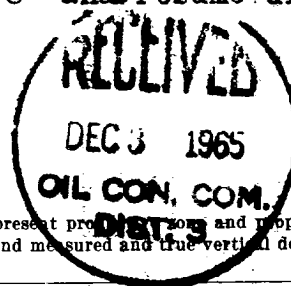


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

|  |                |  |               |                            |
|--|----------------|--|---------------|----------------------------|
| 1a. TYPE OF WORK<br>DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>   |                | 5. LEASE DESIGNATION AND SERIAL NO.<br>14-20-0603-8492   |               |                            |
| b. TYPE OF WELL<br>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> |                | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME<br>Navajo   |               |                            |
| 2. NAME OF OPERATOR<br>Cactus Drilling Corporation   |                | 7. UNIT AGREEMENT NAME   |               |                            |
| 3. ADDRESS OF OPERATOR<br>P.O. Box 2146 Farmington, New Mexico   |                | 8. FARM OR LEASE NAME<br>Navajo B  |               |                            |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*<br>At surface<br>540' FNL & 810' FEL<br>At proposed prod. zone   |                | 9. WELL NO.<br>#1  |               |                            |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*<br>Approximately 3 miles north west of Shiprock, New Mex.  |                | 10. FIELD AND POOL, OR WILDCAT<br>Wildcat  |               |                            |
| 15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)<br>540   |                | 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA<br>Sec. 14-T30N-R18W  |               |                            |
| 16. NO. OF ACRES IN LEASE<br>640   |                | 12. COUNTY OR PARISH 13. STATE<br>San Juan New Mexico  |               |                            |
| 17. NO. OF ACRES ASSIGNED TO THIS WELL<br>80   |                | 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.<br>7200' |               |                            |
| 19. PROPOSED DEPTH<br>7200'  |                | 20. ROTARY OR CABLE TOOLS<br>Rotary  |               |                            |
| 21. ELEVATIONS (Show whether DF, RT, GR, etc.)<br>4960.4   |                | 22. APPROX. DATE WORK WILL START*<br>December 3, 1965  |               |                            |
| 23. PROPOSED CASING AND CEMENTING PROGRAM  |                |  |               |                            |
| SIZE OF HOLE   | SIZE OF CASING | WEIGHT PER FOOT  | SETTING DEPTH | QUANTITY OF CEMENT         |
| 11"  | 8 5/8"         | 24#  | 1850'         | 500 Sacks Type "A" cement  |
| 7 7/8"   | 5 1/2"         | 14#  | 7150          | 600 Sacks Class "C" cement |

We propose to drill approximately 1850 feet of 11" hole, and will set 8 5/8" casing at this depth if we have a water flow. If we do not have a water flow we will set a shorter string of surface casing. After surface casing has been properly cemented we will W.O.C. for 24 hours, then test casing with 800# for 1/2 hour. If casing and B.O.P. are free from leaks we will reduce the hole size to 7 7/8" and resume drilling to our proposed depth of 7200'.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present production 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 CC Rogers TITLE Asst. Drlg. Supt. DATE 11-24-65

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY CC TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

## 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 refer 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 ACERAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

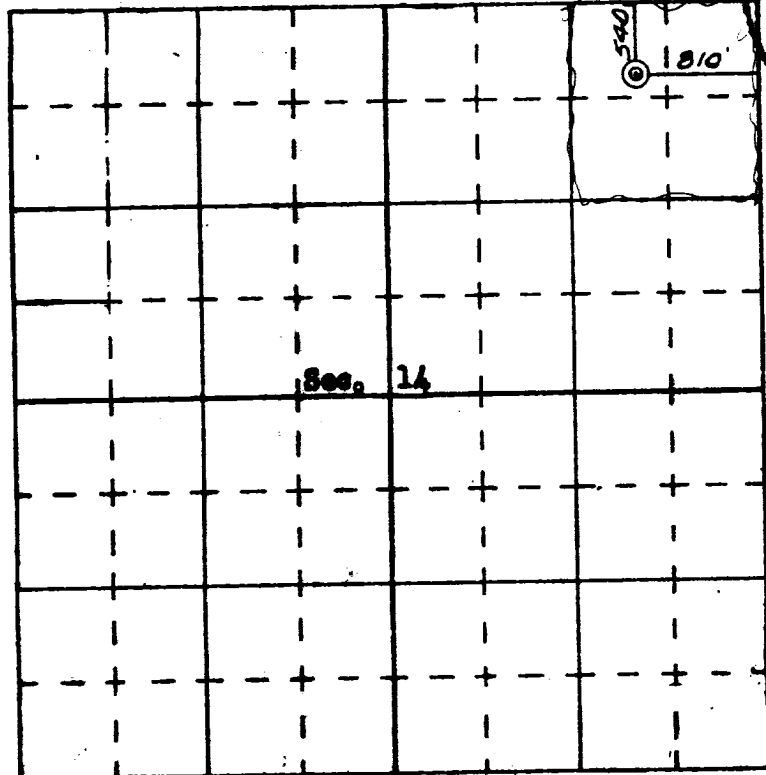
|  |                                     |                             |   |                           |                      |
|--|-------------------------------------|-----------------------------|---|---------------------------|----------------------|
| Operator<br><b>CACTUS DRILLING COMPANY</b>   |                                     |                             | Lease<br><b>NAVAJO "B"</b>                          |                           | Well No.<br><b>1</b> |
| Unit Letter<br><b>A</b>  | Section<br><b>14</b>                | Township<br><b>30 NORTH</b> | Range<br><b>18 WEST</b>                             | County<br><b>SAN JUAN</b> |                      |
| Actual Footage Location of Well:<br><b>540</b> feet from the <b>NORTH</b> line and <b>810</b> feet from the <b>EAST</b> line |                                     |                             |   |                           |                      |
| Ground Level Elev.<br><b>4960.4</b>  | Producing Formation<br><b>LSMAY</b> | Pool<br><b>WILDCAT</b>      | Dedicated Acreage:<br><b>40</b> <del>80</del> Acres |                           |                      |

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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 .....

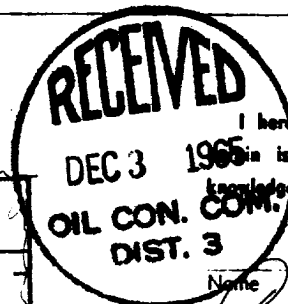
If answer is "no," list the owners and tract descriptions which have actually consolidated. (Use reverse side of this form if necessary.) .....

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.



SCALE—4 INCHES EQUALS 1 MILE

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.



### CERTIFICATION

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

Name C. P. Rogers  
Position Asst. Dir. Survey  
Company Cactus Drilling Co.  
Date December 2, 1965

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 December 2, 1965  
Registered and/or Licensed Surveyor  
Certificate No. 1