

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-043-20503

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

HUBBELL DRILLING COMPANY

3. ADDRESS OF OPERATOR

P. O. BOX 266 Brewitt NM 87045

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

388 ft. FSL 476 ft. FSL  
At proposed prod. zone

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

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

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

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

6085 GR

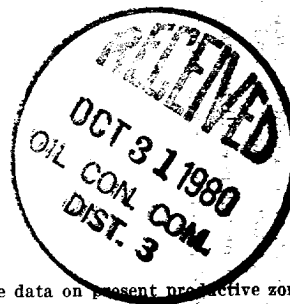
23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE     | SIZE OF CASING      | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|------------------|---------------------|-----------------|---------------|--------------------|
| 8 inch<br>5 1/2" | 7 inch OD<br>4 1/2" | 84 #<br>5.9 #   | 30 foot<br>7D | 3 SACKS<br>5 SACKS |

DRILLING OPERATIONS AUTHORIZED  
SUBJECT TO COMMISSIONER'S  
"GENERAL REGULATIONS"

this action is subject to administrative  
appeal pursuant to 30 CFR 250.

We will use a full opening globe valve with oil seal/n x Regen Blowout  
preventer.



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 Thomas D. Chace TITLE Agent DATE 9/26/80

(This space for Federal or State office use)

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

APPROVED BY [Signature] TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL \_\_\_\_\_

## 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.

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

|   |   |                                    |                        |                                      |  |
|---|---|------------------------------------|------------------------|--------------------------------------|--|
| Operator<br><b>HUBBELL DRILLING CO</b>  |   | Lease<br><b>Hubbell</b>            |                        | Well No.<br><b>1-15 Federal</b>      |  |
| Unit Letter<br><b>P</b>                 | Section<br><b>15</b>                          | Township<br><b>16 North</b>        | Range<br><b>4 West</b> | County<br><b>Sandoval</b>            |  |
| Actual Footage Location of Well:        |   |                                    |                        |                                      |  |
| 388 feet from the <b>South</b> line and |   | 476 feet from the <b>East</b> line |                        |                                      |  |
| Ground Level Elev.<br><b>6085</b>       | Producing Formation<br><b>HOSTA SAND CRET</b> |                                    | Pool<br><b>Wildcat</b> | Dedicated Acreage<br><b>40</b> Acres |  |

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 Division.

|   |   |  |
|---|---|--|
|   | <b>CERTIFICATION</b>  |  |
|   | I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. |  |
|   | Name<br><b>Thomas A. Chace</b>  |  |
|   | Position<br><b>AGENT</b>  |  |
|   | Company<br><b>HUBBELL DRILLING CO</b>   |  |
| Date<br><b>9/26/80</b>  |   |  |
| 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<br><b>September 25, 1980</b>  |   |  |
| Registered Professional Engineer<br><b>Richard A. Chace</b>   |   |  |
| and Land Surveyor   |   |  |
| N.M. #1161  |   |  |
| Certificate No.   |   |  |

## SURFACE USE AND OPERATIONS PLAN

A shallow hole will be drilled to 200--300 feet in the HOSTA sand of Cretaceous age to test shows of oil and gas in numerous well to the west.

The test has been arranged such that the magnitude of surface disturbance will be practically nil since the area is under present study as a Wilderness.

It is desired to keep drilling muds out of the potential pay zones so only cable tool and/or air drilling are planned.

The test will start in the Satan Shale and should reach the top of the Hosta sand somewhere around 200 feet. The maps of the New Mexico Bureau of Mines Coal studies for the area show considerable faulting making estimates of tops quite variable.

Only small amounts of water -- if any-- are expected in the Hosta. Numerous shows of oil and gas have been found in this zone. No hazardous pressures are expected at these shallow depths.

No drilling mud is expected to be used. If needed, operator has agreed with the BLM Wildernous Group to use portable mud slurry containment, rather than digging pits.

Logging will be done from cuttings.

The anticipated starting date is September 30, 1980.

1. Existing roads. This is the graveled road between San Louis, Miguel Creek Oil Field and San Mateo. No access roads will be built since this test is located immediately beside the existing main road. The main road is maintained by the county and we do not plan any changes to it.
2. Planned access roads. None
3. Location of existing wells. A well is testing in the NESW of Section 11, one mile to the north.
4. Location of tank batteries etc. None at this time.
5. Water supply. None is needed, since drilling will be by cable tool and air.
6. Source of construction materials. None will be needed.
7. Methods for handling waste disposal. The Wilderness Group has asked that these be hauled to the county dump. Our waste accumulation will be extremely small making such a disposition feasible. When the rig moves out, tire ruts etc. will be leveled and the area reseeded in accordance with the requirements of the Wilderness Group. Re seeding allowed only between July and early October.
8. Ancillary facilities. No airstrips or other facilities are planned.

9. Well Site Layout. Diagram attached.

10. Plans for restoration of surface. All tire ruts etc. will be leveled after rig moves out and reseeded with the seed types specified by the Wilderness Group and in accordance with their seeding period limited to July thru early October. Since we will not create a drill pad nor dig mud pits, there will be no needed reshaping of topography.

11. Surface ownership and other information. Surface ownership is Federal and under the supervision of the BLM Wilderness Study Group.

12. Lessee's or operators representative.

Thomas D. Chace  
P.O. Box 464  
Santa Fe NM 87501  
Phone 983 6751

13. Certification.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions that presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Hubbell Drilling Co. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Sept 26, 1982  
Date

Thomas D. Chace AGENT

CANADA CALLADITA  
4555 III NE

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

T 16 N R 4 W

