

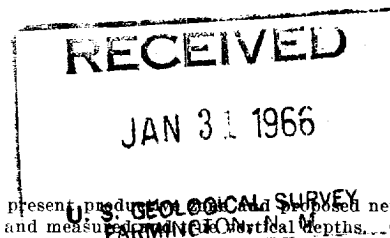
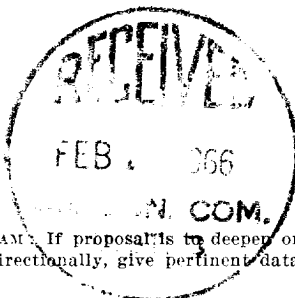
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

|                                                                                                                                                                                                                                     |                                            |                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------|
| 1a. TYPE OF WORK<br><b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/> <b>PLUG BACK</b> <input type="checkbox"/>                                                                               |                                            | 5. LEASE DESIGNATION AND SERIAL NO.<br><b>070477</b>                          |
| b. TYPE OF WELL<br>OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>             |                                            | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME<br>-                                     |
| 2. NAME OF OPERATOR<br><b>Sinclair Oil &amp; Gas Company</b>                                                                                                                                                                        |                                            | 7. UNIT AGREEMENT NAME<br>-                                                   |
| 3. ADDRESS OF OPERATOR<br><b>501 Lincoln Tower Bldg., 1350 Lincoln Street, Denver, Colorado</b>                                                                                                                                     |                                            | 8. FARM OR LEASE NAME<br><b>Hordness WN Federal</b>                           |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*<br>At surface<br><b>1660' from South line and 1720' from West line of Section 20-25N-7W,</b><br>At proposed prod. zone<br><b>Same</b> |                                            | 9. WELL NO.<br><b>8</b>                                                       |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*                                                                                                                                                               |                                            | 10. FIELD AND POOL, OR WILDCAT<br><b>Hollard Pictured Cliffs</b>              |
| 15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (A 80 to nearest drlg. unit line, if any)<br><b>1660 to loc line 2800 to drlg</b>                                                                       | 16. NO. OF ACRES IN LEASE<br><b>2400</b>   | 11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA<br><b>Section 20-25N-7W,</b> |
| 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.<br><b>Approx 1500' to #7 (Applied for)</b>                                                                            | 19. PROPOSED DEPTH<br><b>2400'</b>         | 12. COUNTY OR PARISH<br><b>Mc Auliffe</b>                                     |
| 21. ELEVATIONS (Show whether DF, RT, CR, etc.)<br><b>6400' OL</b>                                                                                                                                                                   | 20. ROTARY OR CABLE TOOLS<br><b>Rotary</b> | 13. STATE<br><b>New Mexico</b>                                                |
| 23. PROPOSED CASING AND CEMENTING PROGRAM                                                                                                                                                                                           |                                            | 17. NO. OF ACRES ASSIGNED TO THIS WELL<br><b>240</b>                          |
|                                                                                                                                                                                                                                     |                                            | 22. APPROX. DATE WORK WILL START*<br><b>February 10, 1966</b>                 |

| SIZE OF HOLE                    | SIZE OF CASING                 | WEIGHT PER FOOT          | SETTING DEPTH                            | QUANTITY OF CEMENT                 |
|---------------------------------|--------------------------------|--------------------------|------------------------------------------|------------------------------------|
| <b>12-1/4"</b><br><b>7-7/8"</b> | <b>8-5/8"</b><br><b>4-1/2"</b> | <b>24</b><br><b>10.5</b> | <b>Approx 150'</b><br><b>Total depth</b> | <b>7-200 cu.</b><br><b>200 cu.</b> |

It is proposed to drill well with rotary tools to a depth sufficient to test the Pictured Cliffs formation, anticipated top @ 2150', proposed TD 2400'. 8-5/8" OD surface casing will be set at approximately 150' and cemented bottom to surface, 4-1/2" OD casing will be set at T.D. and cemented with sufficient cement to protect all zones. Productive zones will be perforated, treated if necessary, and well completed.



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 vertical depths. Give blowout prevention program, if any.

|                                              |                                 |                     |
|----------------------------------------------|---------------------------------|---------------------|
| SIGNED <u>M E Brown</u>                      | TITLE <u>Chief Office Clerk</u> | DATE <u>1/19/66</u> |
| (This space for Federal or State office use) |                                 |                     |
| PERMIT NO. _____                             | APPROVAL DATE _____             |                     |
| APPROVED BY <u>66</u>                        | 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 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-102  
Supersedes C-128  
Effective 1-1-65

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

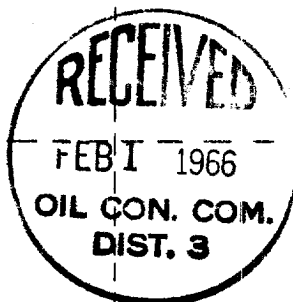
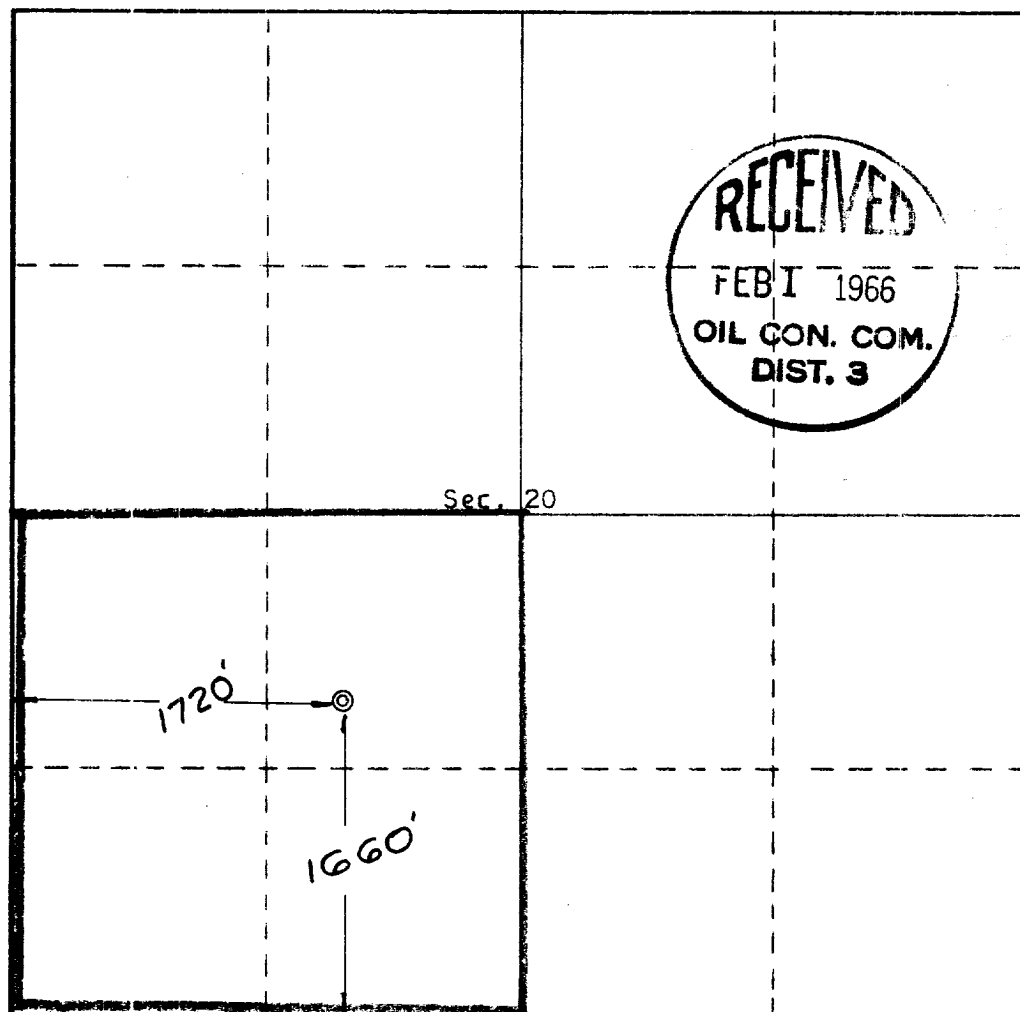
|                                                                                                                                |                                               |                             |                                        |                                        |                      |
|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-----------------------------|----------------------------------------|----------------------------------------|----------------------|
| Operator<br><b>Sinclair Oil &amp; Gas Company</b>                                                                              |                                               |                             | Lease<br><b>Nordhaus WN Federal</b>    |                                        | Well No.<br><b>8</b> |
| Unit Letter<br><b>K</b>                                                                                                        | Section<br><b>20</b>                          | Township<br><b>25 North</b> | Range<br><b>7 West</b>                 | County<br><b>Rio Arriba</b>            |                      |
| Actual Footage Location of Well:<br><b>1660</b> feet from the <b>South</b> line and <b>1720</b> feet from the <b>West</b> line |                                               |                             |                                        |                                        |                      |
| Ground Lve. Elev:<br><b>6489</b>                                                                                               | Producing Formation<br><b>Pictured Cliffs</b> |                             | Pool<br><b>Ballard Pictured Cliffs</b> | Dedicated Acreage:<br><b>100</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).  
**Operator is only owner.**
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.



**RECEIVED**

**JAN 23 1966**

**U. S. GEOLOGICAL SURVEY  
FARMINGTON, N. M.  
CERTIFICATION**

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

*M E Brown*

Name

**Chief section clerk**

Position

**Sinclair Oil & Gas Company**

Company

**January 23, 1966**

Date

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

**January 20, 1966**

Registered Professional Engineer and/or Land Surveyor

*E. J. C. [Signature]*

Certificate No.

**3602**

On the 1st of January 1881, the following was the state of the

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