

UNITED 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

SINCLAIR OIL &amp; GAS COMPANY

## 3. ADDRESS OF OPERATOR

601 Denver Club Building Denver, Colorado

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

At surface

1160' from the South line and 1160' from the West line

Sec. 33-28N-11W, San Juan County, New Mexico

At proposed prod. zone

Dakota (Gas) &amp; Gallup (Oil)

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

Bloomfield, New Mexico - 8 miles South

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

1160'

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

5150'

## 16. NO. OF ACRES IN LEASE

2560

## 19. PROPOSED DEPTH

6600'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

350

## 20. ROTARY OR CABLE TOOLS

Rotary

## 21. ELEVATIONS (Show whether DT, GR, etc.)

6099 OL

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

9-15-64

## 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"         | 21#             | 350           | 300 Sx             |
| 7-7/8"       | 5-1/2 or 7"    | 15.5# or 23#    | TD            | 1500 Sx            |

It is proposed to drill this well with rotary tools to a depth sufficient to test the Dakota formation. Estimated TD 6600'. Anticipated formations to be encountered are Gallup at approximately 5810', Olaneros at approximately 6335', and the Dakota at approximately 6410'.

8-5/8" OD Surface casing will be set at approximately 350' and cemented from bottom to top with approximately 300 sacks cement. If productive zones are encountered 5-1/2" OD or 7" OD casing will be run to TD and cemented with sufficient cement to protect all zones. Possible productive zones will be perforated, tested, treated if necessary and well completed as dual Dakota gas well and Gallup oil well.

Blow-out preventers - 10" Series 900 2 dbl ram, hyd. operated. Test at 1000' before drilling out of surface casing. Open and close each trip.

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 proposed new vertical depths. Give blowout preventer program, if any.

## 24.

SIGNED



TITLE

Senior Clerk

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

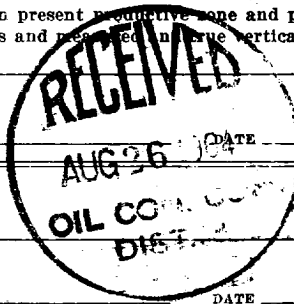
APPROVED BY



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

## SECTION A.

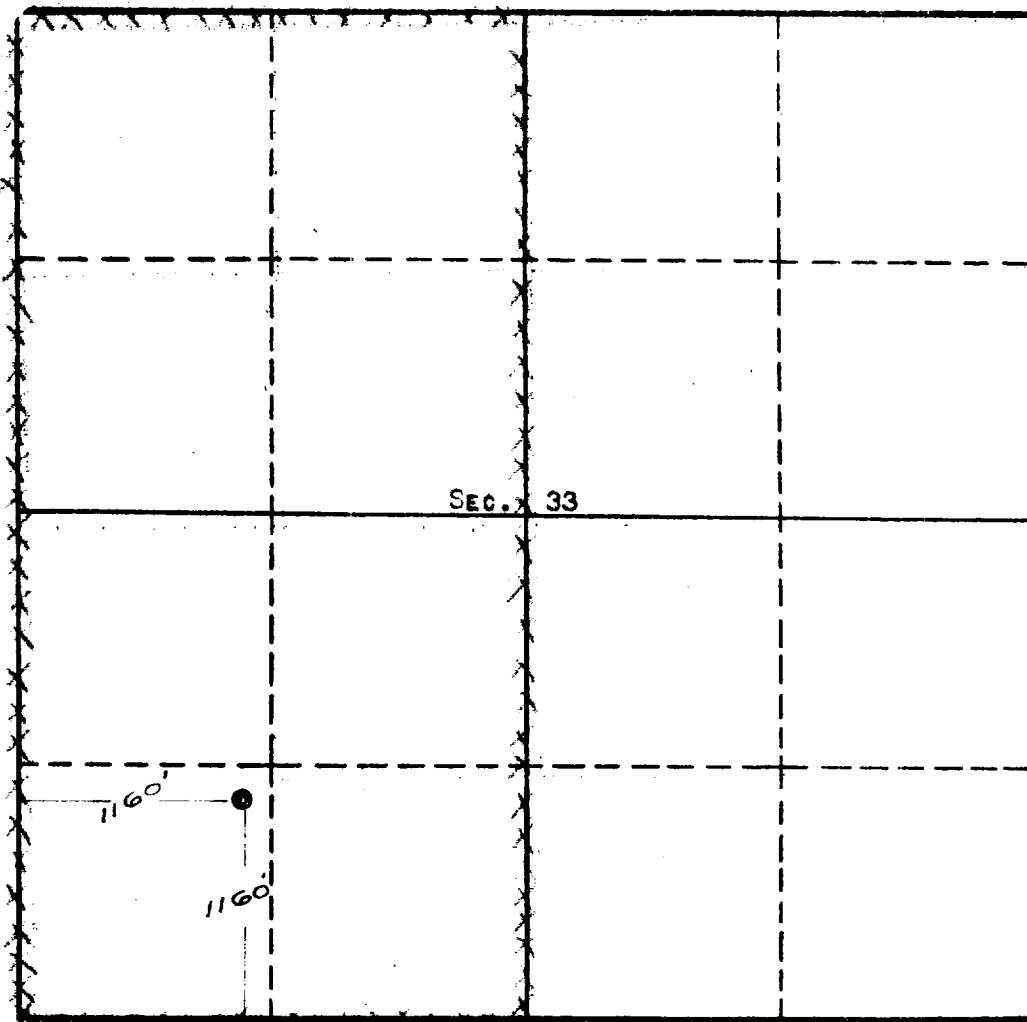
Date August 24, 1964Operator SINCLAIR OIL & GAS COMPANYLease KRAUSE FEDERAL WNWell No. 3 Unit Letter M Section 33 Township 28 NORTH Range 11 WEST NMPMLocated 1160 Feet From SOUTH Line, 1160 Feet From WEST LineCounty SAN JUAN G. L. Elevation 6099 Dedicated Acreage 300 AcresName of Producing Formation Dakota (Shs) & Gallup (oil) Pool East Dakota (Shs) & East Gallup (oil)1. Is the Operator the only owner\* in the dedicated acreage outlined on the plat below? Yes \_\_\_\_\_ No Yes2. If the answer to question One is "No," have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes Yes No \_\_\_\_\_ If answer is "Yes," Type of ConsolidationJoint Interest Property - Lease Operating Contract Agreement

3. If the answer to question Two is "No," list all the owners and their respective interests below:

OWNER

LAND DESCRIPTION

## SECTION B.



RECEIVED

AUG 26 1964

OIL CON. COM.  
DIST. 3

This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

SINCLAIR OIL & GAS COMPANY

(OPERATOR)

(REPRESENTATIVE)

Oil Survey Club Building  
Durham, Colorado

(ADDRESS)

This is to 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 JUNE 18, 1964Four States Engineering Co.  
FARMINGTON, NEW MEXICOErnest V. Cochran  
REGISTERED ENGINEER OR  
LAND SURVEYORCertificate No. 3602

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