

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 & Gas Company

3. ADDRESS OF OPERATOR

601 Denver Club Building, Denver, Colorado 80202

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

At surface

800' 1/4 North line and 1590' 1/4 East line Sec. 23-28N-11W,
San Juan County, New Mexico
At proposed prod. zone
Same as surf. loc.

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

Bloomfield, New Mexico. Approx 8 mi. South

15. DISTANCE FROM PROPOSED*

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

800'

16. NO. OF ACRES IN LEASE

2560

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.Well #3, app
3800' SW

19. PROPOSED DEPTH

6560'

20. ROTARY OR CABLE TOOLS

Rotary

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

5961' Ground level, ungraded.

22. APPROX. DATE WORK WILL START*

December 14, 1964

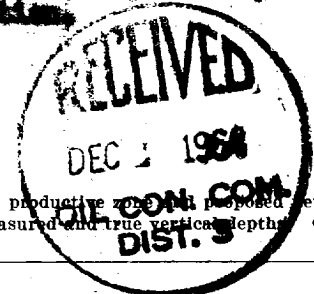
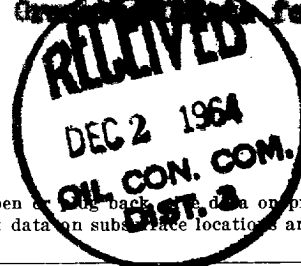
23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/8"	8-5/8"	24	350'	300 sz.
7-7/8"	4-1/2"	30.5	T.D.	1500 sz.

It is proposed to drill this well with rotary tools to a depth sufficient to test the Graneros-Dakota formation. Estimated top Graneros-Dakota 625', and estimated total depth 6560'.

8-5/8" OD casing will be set @ approx 350' and cemented with sufficient cement to cement from bottom of casing to surface, est 300 sz. If well is productive, 4-1/2" OD casing will be set at total depth and cemented with sufficient cement to protect all zones, estimated 1500 sz in two stages. Productive zones will be perforated, tested, treated if necessary, and well completed in the Graneros-Dakota formation.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, include 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

TITLE

Chief Office Clerk

DATE

November 29, 1964

(This space for Federal or State office use)

PERMIT NO.

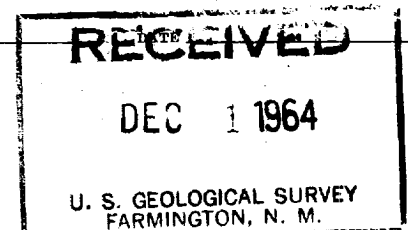
APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

*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

SECTION A.

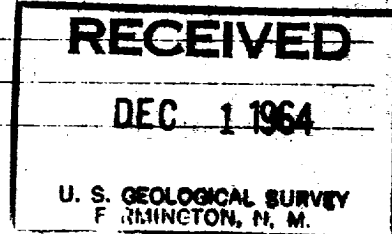
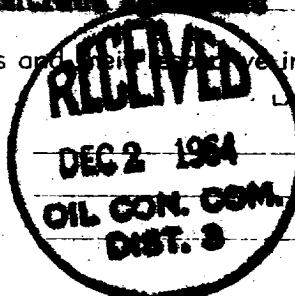
Date **November 23, 1964**

Operator **Sinclair Oil & Gas Company** Lease **Krauss Federal**
Well No. **4** Unit Letter **B** Section **33** Township **28 North** Range **11 West** NMPM
Located **800** Feet From **North** Line, **1590** Feet From **East** Line
County **San Juan** G. L. Elevation **5961** Dedicated Acreage **300** Acres
Name of Producing Formation **Gallup** Pool **Battle Lake**

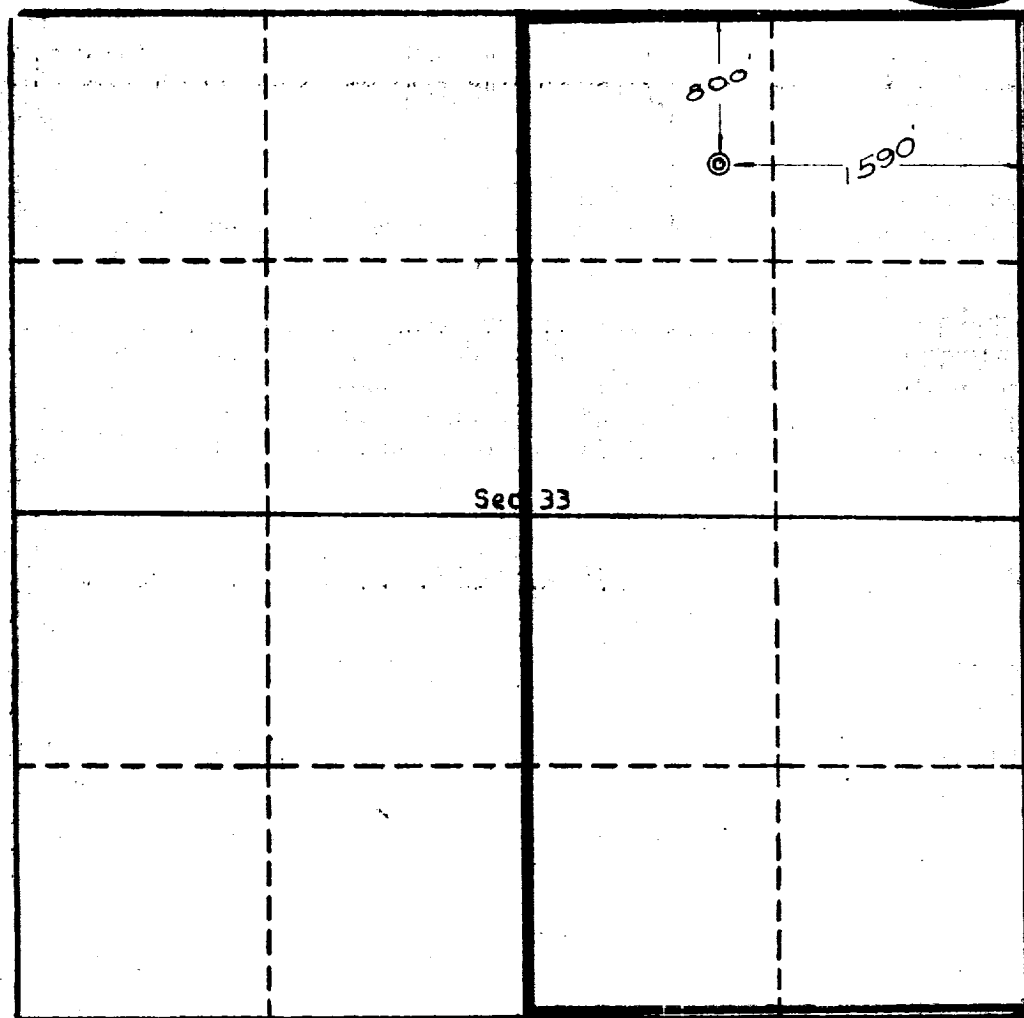
1. Is the Operator the only owner* in the dedicated acreage outlined on the plat below? Yes ☐ No ☒
2. If the answer to question One is "No," have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes ☒ No ☐ If answer is "Yes," Type of Consolidation **Joint Interest 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.

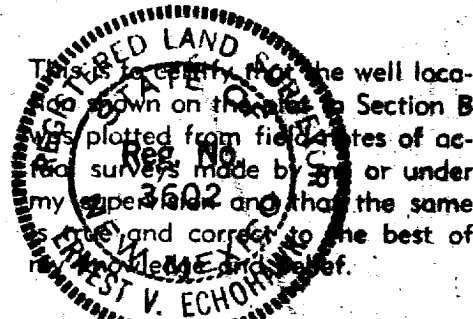


This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

SINCLAIR OIL & GAS COMPANY
(OPERATOR)

M. E. Brown
(REPRESENTATIVE)
Oil Survey Club Building
Denver, Colorado 80202

(ADDRESS)



Date Surveyed **Nov. 24, 1964**

Four States Engineering Co.
FARMINGTON, NEW MEXICO

Ernest V. Echo
REGISTERED ENGINEER OR
LAND SURVEYOR

Certificate No. **3602**

