

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 ☐		5. LEASE DESIGNATION AND SERIAL NO. SY 078843
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME None
2. NAME OF OPERATOR Sinclair Oil & Gas Company		7. UNIT AGREEMENT NAME None
3. ADDRESS OF OPERATOR 601 Denver Club Building Denver, Colorado		8. FARM OR LEASE NAME Krause Federal WM
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 995' from the North line and 1590' from the East line, Sec. 29-28N-11W, San Juan County, New Mexico At proposed prod. zone Same as surface location/		9. WELL NO. 6
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Bloomfield, New Mexico approximately 8 miles South.		10. FIELD AND POOL, OR WILDCAT Basin Dakota
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any) 995'	16. NO. OF ACRES IN LEASE 2560	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 29-28N-11W R1PM
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1000'	19. PROPOSED DEPTH 6375'	12. COUNTY OR PARISH San Juan
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5702' Ground Level Ungraded		13. STATE New Mexico
22. APPROX. DATE WORK WILL START* 2-2-65		

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"	21.6	350'	300 sz.
7-7/8"	4-1/2"	10.5	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 of Graneros-Dakota 6180'. Estimated Total Depth 6375'.

8-5/8" OD Casing will be set at approx 350' and cemented with sufficient cement to cement from bottom to top of surface casing, 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, 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 Clyde P. Lyman TITLE Senior Clerk DATE 2-2-65
(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

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

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-surface 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

DATE 3-2-68

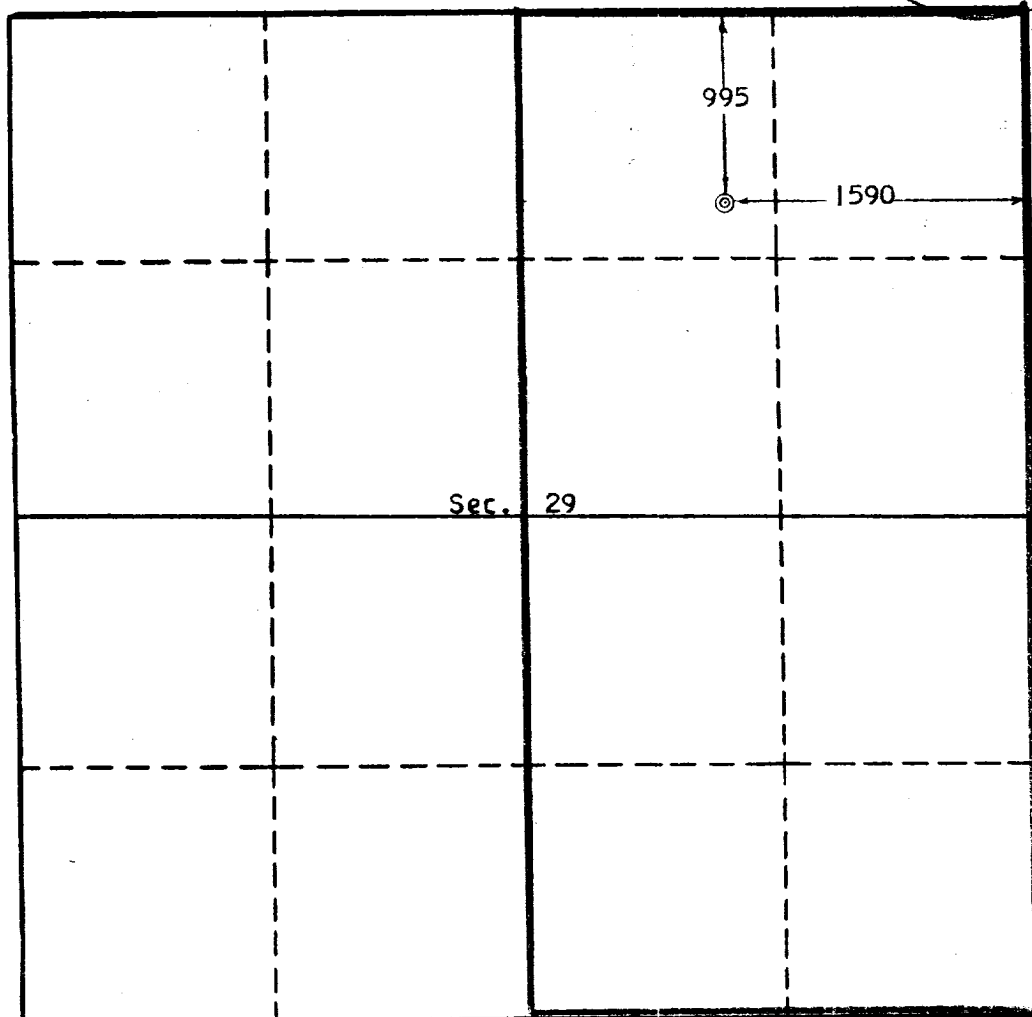
1. IS THE OPERATOR THE ONLY OWNER* IN THE DEDICATED ACREAGE OUTLINED ON THE PLAT BELOW? YES _____ NO _____

2. IF THE ANSWER TO QUESTION ONE IS "NO," HAVE THE INTERESTS OF ALL THE OWNERS BEEN CONSOLIDATED BY COMMUNITIZATION AGREEMENT OR OTHERWISE? YES Yes NO _____ IF ANSWER IS "YES," TYPE OF CONSOLIDATION _____

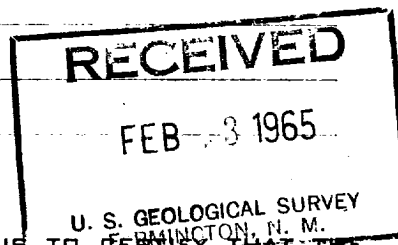
Joint Interest Property - Lease Operating Agreement

[illegible]

SECTION 8.



Scale, 1 inch = 1,000 feet



U. S. GEOLOGICAL SURVEY
 BRANTON, N. M.
 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)

Clyde C. Siga
604 Denver Film Building
Denver, Colorado

ADDRESS:

THIS IS TO CERTIFY THAT THE
WELL LOCATION SHOWN ON THE
PLAN IN SECTION 8 WAS PLOT-
TED FROM FIELD NOTES OF AC-
TUAL 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 Jan. 29, 1965

**FOUR STATES
ENGINEERING CO.**

FARMINGTON, NEW MEXICO

Ernest V. Coombs, Inc.
REGISTERED ENGINEER OR
LAND SURVEYOR

CERTIFICATE NO. 3602