

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. NE 0546	
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Sinclair Oil & Gas Company			7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 601 Denver Club Building Denver, Colorado			8. FARM OR LEASE NAME Federal-Madrox WN	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 990' from the South line and 990' from the West line Sec. 24-30N-13W, San Juan County, New Mexico At proposed prod. zone Same			9. WELL NO. 4	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 6 miles North of Farmington, New Mexico			10. FIELD AND POOL, OR WILDCAT Spain Dakota	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. line, if any) 990'			11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 24-30N-13W 1000'	
16. NO. OF ACRES IN LEASE 2480			12. COUNTY OR PARISH San Juan	
17. NO. OF ACRES ASSIGNED TO THIS 990			13. STATE New Mexico	
18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 4250'			20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DT, RT, GR, etc.) 5838' GL			22. APPROX. DATE WORK WILL START* 3-1-65	

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"	24	350'	300 bx.
7-8/8"	4-1/2"	20.5	TD	1500 bx.

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 6450', and estimated total depth 6700'.

8-5/8" OD Casing will be set at approximately 350' and cemented with sufficient cement to cement from bottom of casing to surface, estimated 300 bx. 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 bx in two stages. Productive zones will be perforated, tested, treated if necessary, and well completed in the Graneros-Dakota formation.

IN ABOVE SPACE DESCRIBE PROGRAM: If proposal is to deepen or plug back, give details of present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations, measured and true vertical depths. Give blowout preventer program, if any.

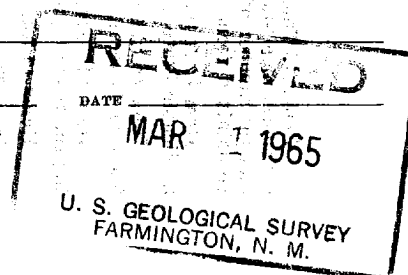
24. SIGNED Clyde C. Logan TITLE Senior Clerk DATE March 1, 1965
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:

OKal

*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.

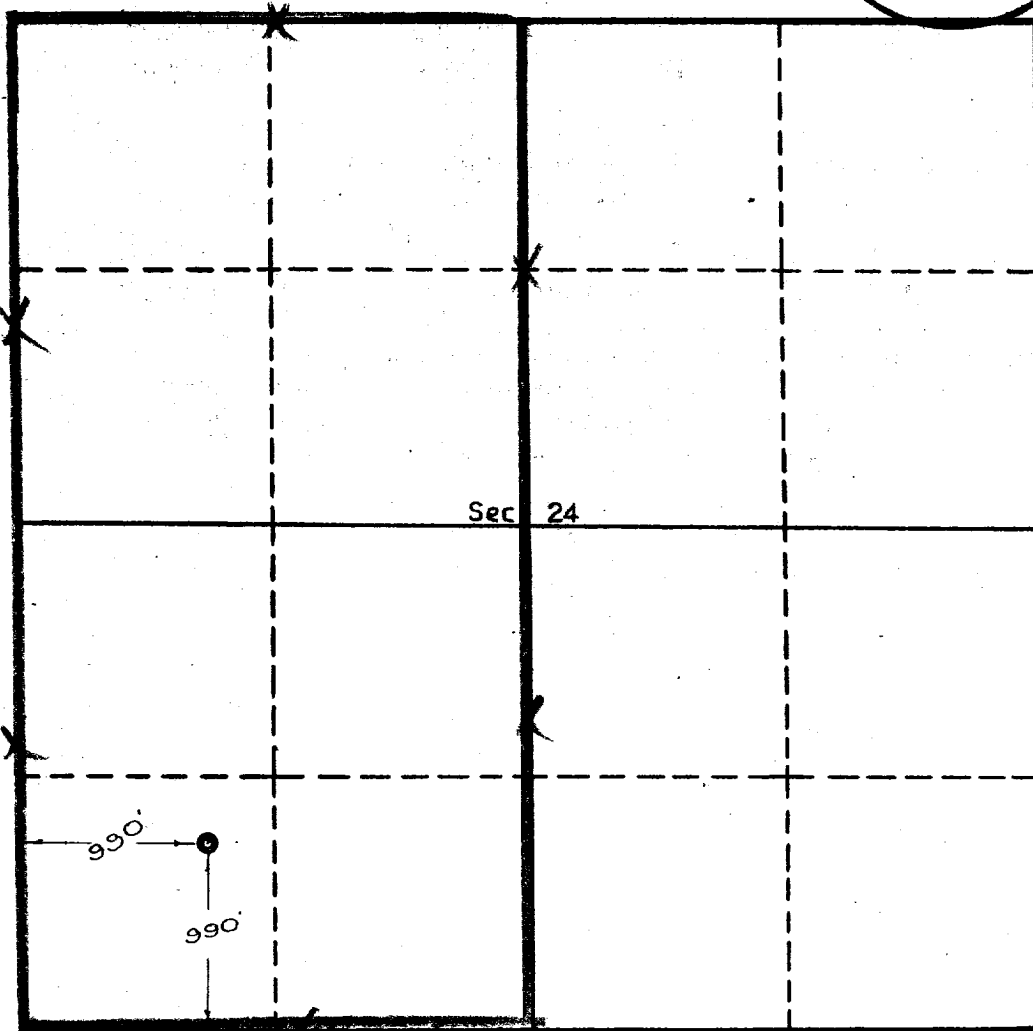
DATE March 1, 1965

OPERATOR Sinclair Oil & Gas Company LEASE Federal - Maddox WN
WELL NO. 4 UNIT LETTER M SECTION 24 TOWNSHIP 30 North RANGE 13 West NMPM
LOCATED 990 FEET FROM South LINE, 990 FEET FROM West LINE
COUNTY San Juan G. L. ELEVATION 5838 DEDICATED ACREAGE 200 ACRES
NAME OF PRODUCING FORMATION Chimney Fork POOL Basin Dakota

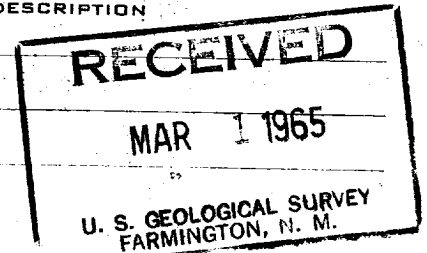
1. IS THE OPERATOR THE ONLY OWNER* IN THE DEDICATED ACREAGE OUTLINED ON THE PLAT BELOW? YES NO
2. IF THE ANSWER TO QUESTION ONE IS "NO," HAVE THE INTERESTS OF ALL THE OWNERS BEEN CONSOLIDATED BY COMMUNITIZATION AGREEMENT OR OTHERWISE? YES YES NO NO IF ANSWER IS "YES," TYPE OF CONSOLIDATION Joint Interest Property - Lease Operating Agreement

3. IF THE ANSWER TO QUESTION TWO IS "NO," LIST ALL THE OWNERS AND THEIR RESPECTIVE INTERESTS BELOW:
- | OWNER | AND DESCRIPTION |
|-------|-----------------|
| | |
| | |
| | |

SECTION B.



Scale, 1 inch = 1,000 feet



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)

**601 Denver City Building
Denver, 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 Feb. 13, 1965

**FOUR STATES
ENGINEERING CO.**

FARMINGTON, NEW MEXICO

Edward J. Cochran
REGISTERED ENGINEER OR
LAND SURVEYOR

CERTIFICATE NO. 3602