

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. MM 03554		
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐			6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
2. NAME OF OPERATOR Caulkins Oil Company			7. UNIT AGREEMENT NAME		
3. ADDRESS OF OPERATOR P. O. Box 780, Farmington, New Mexico			8. FARM OR LEASE NAME Breese "C"		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 790' from west line and 1850' from south line of section 12 At proposed prod. zone same			9. WELL NO. D-189		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approximately 35 miles southeast of Blanco, New Mexico			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) 790 feet			11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA Section 12-26N-6W		
16. NO. OF ACRES IN LEASE 1920			12. COUNTY OR PARISH Rio Arriba		
17. NO. OF ACRES ASSIGNED TO THIS WELL 320 (1/2 of section)			13. STATE New Mexico		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 170 feet from PC-189			19. PROPOSED DEPTH 7600		
20. ROTARY OR CABLE TOOLS Rotary			21. APPROX. DATE WORK WILL START* December 20, 1963		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6601 KB					

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-3/4"	9-5/8"	32.30#	262	200 sacks
8-3/4"	5-1/2"	15.5 & 17.0	7600	740 sacks

5 1/2" OD 15.5# J-55 casing to be used from 0 to approximately 6600 and 5 1/2" 17.0# J-55 from 6600 to 7600. This string will be cemented through casing shoe with 225 sacks 12% gel cement containing 12% gilsonite per sack followed by 100 sacks latex cement. It will also be cemented through a stage collar at approximately 5500' with 365 sacks 12% gel cement containing 12% gilsonite per sack followed by 50 sacks neat. The second stage is 150% of the calculated volume required to cover the Mesa Verde and Pictured Cliffs zones.

The casing opposite the Dakota sands will be sand/water fractured to obtain the best completion possible. All drilling below surface casing will be done with a 6000# test pressure operated double blowout preventer in operation

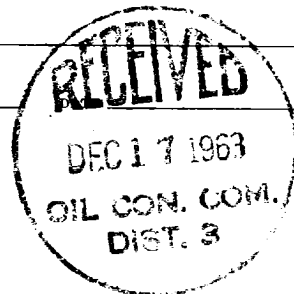
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer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

24. SIGNED Frank Gray TITLE Superintendent DATE 12-15-63
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY Ed 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 **December 15, 1963**

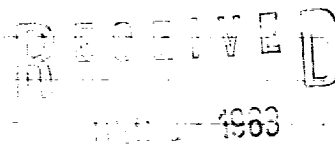
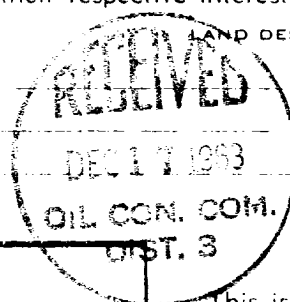
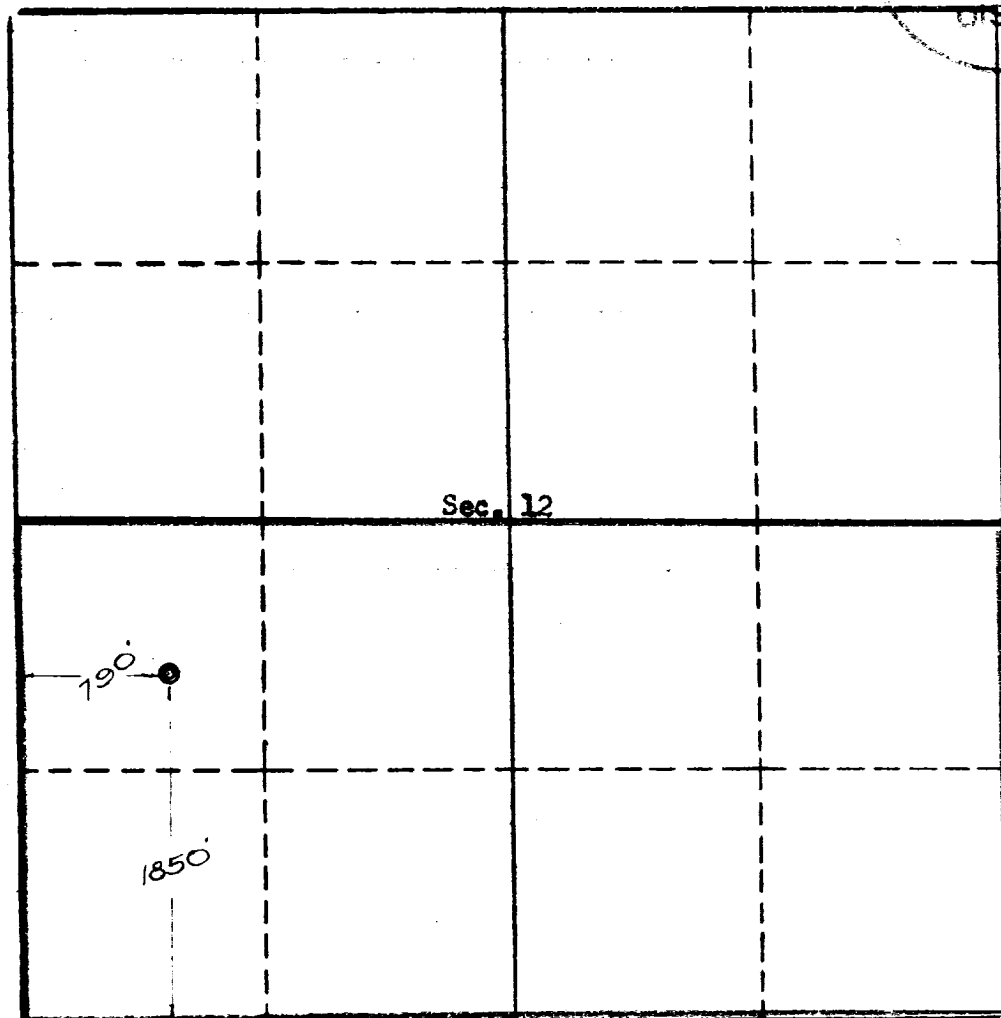
Operator **Caulkins Oil Company** Lease **Breech "C"**
Well No. **D-189** Unit Letter **L** Section **12** Township **26 North** Range **6 West** NMPM
Located **1850** Feet From **South** Line, **790** Feet From **West** Line
County **Rio Arriba** G. L. Elevation **6589** Dedicated Acreage **320 S $\frac{1}{2}$** Acres
Name of Producing Formation **Dakota** Pool **Basin Dakota**

1. Is the Operator the only owner* in the dedicated acreage outlined on the plat below? Yes **XX** 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
3. If the answer to question Two is "No," list all the owners and their respective interests below:

OWNER

LAND DESCRIPTION

SECTION B.



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

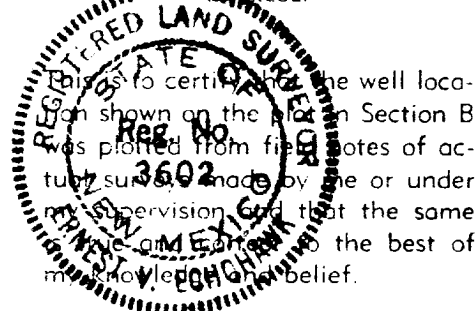
Caulkins Oil Company

(OPERATOR)

Frank Gray
Frank Gray
(REPRESENTATIVE)

Box 780, Farmington, N.M.

(ADDRESS)



Date Surveyed **Dec. 13, 1963**

Four States Engineering Co.

FARMINGTON, NEW MEXICO

Emmett V. Cochran
REGISTERED ENGINEER OR
LAND SURVEYOR

Certificate No. **3602**

