

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

Continental Oil Company, Inc.

3. ADDRESS OF OPERATOR

P.O. Box 600, Washington, D.C.

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

At surface 700 feet from the south line of 700 feet from the south line.
At proposed prod. zone 1000 ft. as above

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

2 miles Northwest of Jilo, D.C.

15. DISTANCE FROM PROPOSED*

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

700 ft.

16. NO. OF ACRES IN LEASE

2.00

17. NO. OF ACRES ASSIGNED TO THIS WELL

2.00 acres, all.

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

2000 ft.

19. PROPOSED DEPTH

770

20. ROTARY OR CABLE TOOLS

stary

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

6723 ft. (approx.) ground level

22. APPROX. DATE WORK WILL START*

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
10-3/4"	10-3/4"	35.75	40 ft.	250 sacks
8-7/8"	7-5/8"	26.40	350 ft.	1050 cu. ft.
5-1/2"	5-1/2"	15.50	350-770	600 cu. ft.

I propose to drill a well to be finally completed in the Gallup and Schotsa formations. Anticipated total depth 770 ft. D.C.

1. casing program: surface - 10-3/4", 35.75, 40 set at 100 ft. cemented with surface w/250 sacks.
Intermediate - 7-5/8", 26.40, 355 set at 350 ft. cemented with 1050 cu. ft. cement.
Inner - 5-1/2", 15.50, 355 set from 350 ft. to 770 ft. and cemented w/approx. 600 cu. ft. cement.
2. All will be run drilled from surface to 350 ft. and gas drilled from 350 ft. to 770 ft.
3. Gallup and Schotsa formations will be sand fraced to stimulate production.
4. Baker Model 5-1/2" Production Packer will be set at approx. 650 ft.
5. 1-1/2", 2.90, 30 Tbg. will be run to locate & land at approx. 700 ft.
6. 1-1/2", 2.75, 30 Tbg. will be run to Gallup and located at approx. 700 ft.

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.

Original signed by

SIGNED

GILBERT D. NOLAND, JR.

TITLE

Drilling Superintendent

DATE

9-10-66

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

*See Instructions On Reverse Side

SEP 11 1966

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 local 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
ON PLAT

RECEIVED

SEP 11 1969

U. S. GEOLOGICAL SURVEY

DURANGO, COLO.

Well No.

8

All distances must be from the outer boundaries of the Section

Operator **SOUTHERN UNION PRODUCTION COMPANY** Lease **JICARILLA #1**
Unit Letter **P** Section **19** Township **26 NORTH** Range **4 WEST** County **RIO ARriba**

Actual Footage Location of Well:

790 feet from the **SOUTH** line and **790** feet from the **EAST** line

Ground Level Elev.

6715.0

Producing Formation

Callup - Dakota

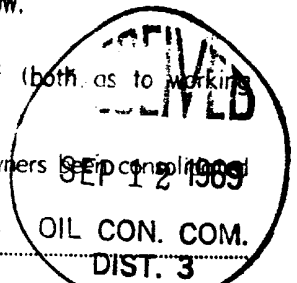
Pool

**Undesignated Callup
Basin Dakota**

Dedicated Acreage

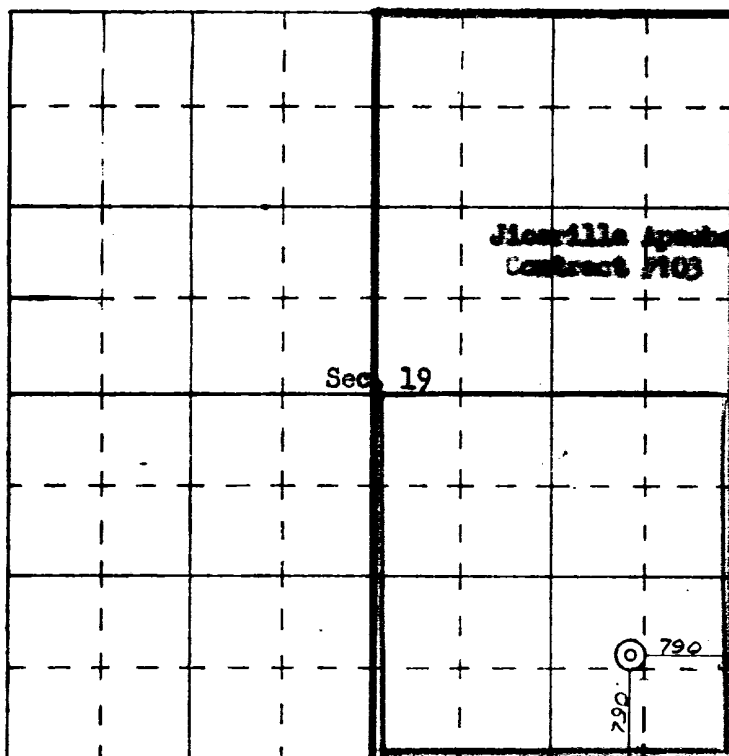
1/2 - 320 Dakota Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
 - If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
 - If more than one lease of different ownership is dedicated to the well, have the interests of all owners being consolidated by communitization, unitization, force-pooling, etc?
() Yes () No If answer is "yes," type of consolidation **Operating Agreement**
- If answer is "no," list the owners and tract descriptions which have actually consolidated. (Use reverse side of this form if necessary.)
- No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non standard unit, eliminating such interests, has been approved by the Commission.



Dedicated Callup Acreage

Dedicated Dakota Acreage



SCALE—4 INCHES EQUALS 1 MILE

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Original signed by
GILBERT D. NOLAND, JR.

Name
Gilbert D. Noland, Jr.

Position
Drilling Superintendent

Company
Southern Union Production Co.

Date
September 10, 1969

I hereby certify that the well location shown on this plat 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.

6 September, 1969
Date Surveyed

Registered Professional
and/or Land Surveyor
JAMES P. LEESE

1463
Certificate No.