

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

SOUTHERN UNION PRODUCTION COMPANY

3. ADDRESS OF OPERATOR

POST OFFICE BOX 808, FARMINGTON, NEW MEXICO

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

At surface 1100 FEET FROM THE SOUTH LINE AND 940 FEET FROM THE
WEST LINE.
At proposed prod. zone

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

THREE (3) MILES NORTH OF FARMINGTON, NEW MEXICO

15. DISTANCE FROM PROPOSED*

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

940 FEET

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1000 FEET

16. NO. OF ACRES IN LEASE

19. PROPOSED DEPTH

6200 FEET

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320 ACRES

20. ROTARY OR CABLE TOOLS

ROTARY TOOLS

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

5530 FEET - UNGRADED GROUND LEVEL

22. APPROX. DATE WORK WILL START*

DECEMBER 10, 1963

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"	24.0#	250 FT.	200 SX
7 7/8"	4 1/2"	10.5#	6200 FT.	1400 SX

WE PROPOSE TO DRILL A WELL TO THE DAKOTA FORMATION - ANTICIPATED TOTAL DEPTH OF 6200 FT.

ROTARY TOOLS WILL BE USED TO MUD DRILL WELL FROM SURFACE TO TOTAL DEPTH.

THE FIRST STAGE WILL BE CEMENTED WITH APPROXIMATELY 400 SX 50-90 PERMIX CEMENT.

A STAGE COLLAR WILL BE SET UNDER MESA VERDE FORMATION AT APPROXIMATELY 4300 FT. AND
CEMENTED WITH 1000 SX 40% DIAGEL "D", CEMENT.

THE WELL WILL BE SAND DRAGED TO STIMULATE PRODUCTION.

1 1/2", 2.90#, EUE, JCH TUBING WILL BE SET AT APPROXIMATELY 6100 FEET.

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

GILBERT D. NOLAND, JR.

TITLE

DRILLING SUPERINTENDENT

DATE

DECEMBER 9, 1963

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

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.

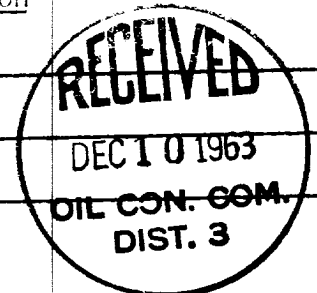
Date December 9, 1963

Operator Southern Union Production Company Lease No Cons
Well No. 12 Unit Letter M Section 33 Township 30 North Range 13 West NMPM
Located 1100 Feet From South Line, 940 Feet From West Line
County San Juan G. L. Elevation 5530 Dedicated Acreage 320 Acres
Name of Producing Formation Dakota Pool BASIN DAKOTA

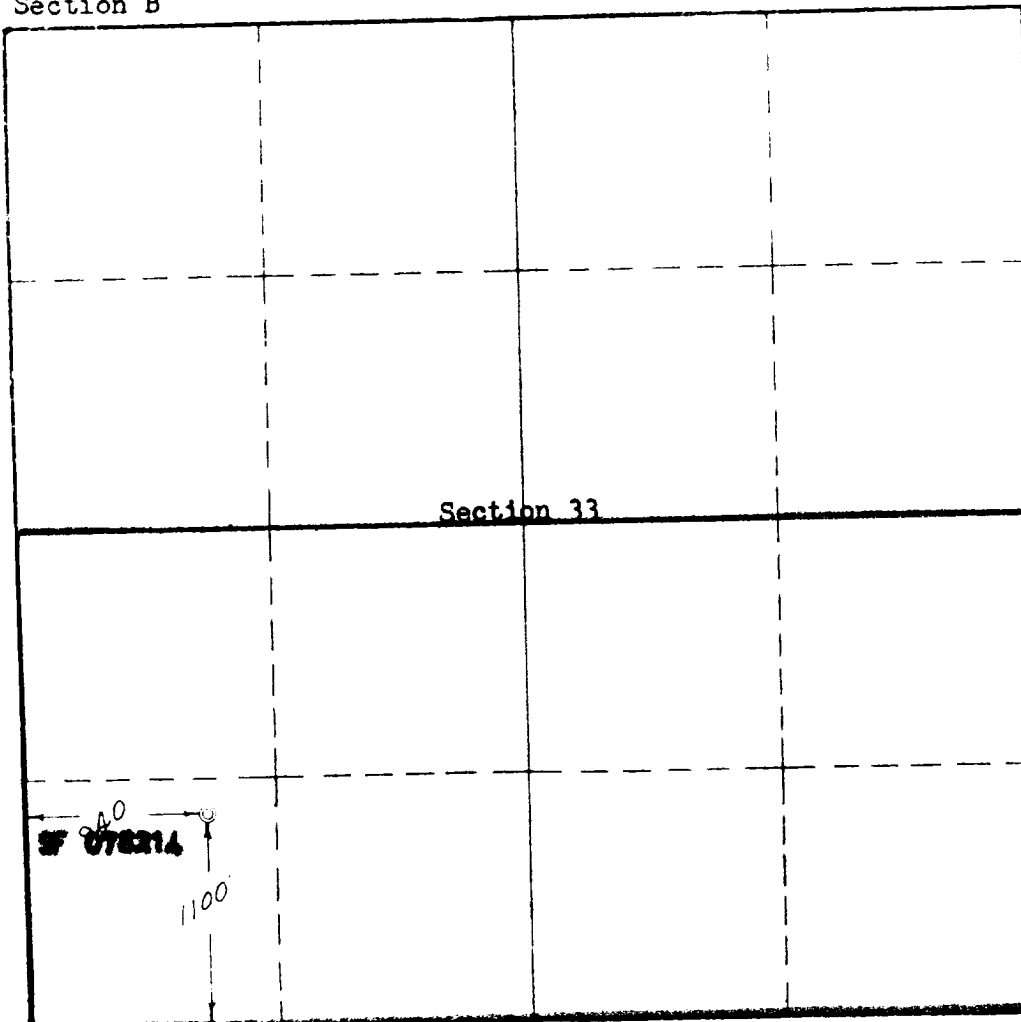
1. Is the Operator the only owner* in the dedicated acreage outlined on the plat below?
Yes _____ No XX.
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes _____ No _____. If answer is "yes," Type of Consolidation COMMUNITIZATION 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.

Southern Union Production Co.
Gilbert D. Noland, Jr.
GILBERT D. NOLAND, JR.

(Representative)
POST OFFICE BOX 808
FARMINGTON, NEW MEXICO

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 December 3, 1963

Registered Professional
Engineer and Land Surveyor.

Certificate No. 3084