

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

970 FEET FROM THE SOUTH LINE AND 1720 FEET FROM THE WEST LINE

At proposed prod. zone SAME AS ABOVE

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

5 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)

2200 FT.

16. NO. OF ACRES IN LEASE

320

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

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

3000 FT.

19. PROPOSED DEPTH

6515

20. ROTARY OR CABLE TOOLS

ROTARY

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

5744 FT. - UNGRADED GROUND LEVEL

22. APPROX. DATE WORK WILL START*

DECEMBER 17, 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	175 SX
7 7/8"	4 1/2"	10.5#		

WE PROPOSE TO DRILL A WELL TO TEST THE DAKOTA FORMATION - ANTICIPATED TOTAL DEPTH TO BE 6515 FT.

ROTARY TOOLS WILL BE USED TO MUD DRILL WELL FROM SURFACE TO TOTAL DEPTH. 1ST STAGE WILL BE CEMENTED WITH 400 SX CEMENT. A STAGE COLLAR WILL BE SET UNDER MEGA VERDE AT APPROXIMATELY 4600 FT. AND CEMENTED WITH 1000 CUBIC FT. CEMENT.

WELL WILL BE SAND FRACED TO STIMULATE PRODUCTION.

1 1/2", EUE, 2.90# TUBING WILL BE LANDED AT APPROXIMATELY 6450 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.

SIGNED

GILBERT D. NOLAND, JR.

TITLE

DRILLING SUPERINTENDENT

DATE

DECEMBER 13, 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.

100-111111

NEW MEXICO OIL CONSERVATION COMMISSION
Well Location and Acreage Dedication Plat

Section A.

Date DECEMBER 13, 1963

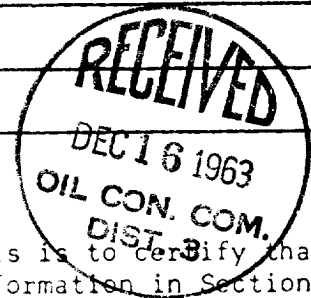
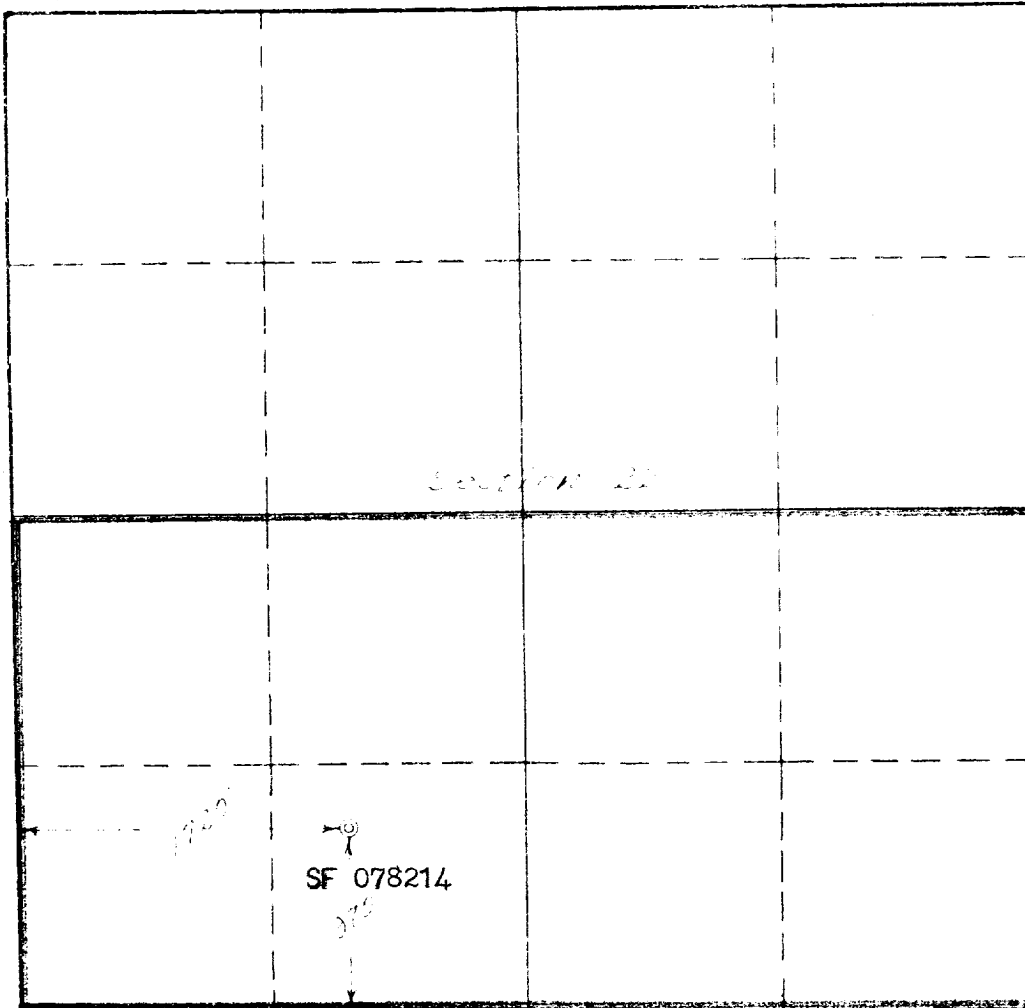
Operator Southern Union Production Company Lease McCord
Well No. 13 Unit Letter N Section 22 Township 30 North Range 13 West NMPM
Located 970 Feet From South Line, 1720 Feet From West Line
County San Juan G. L. Elevation 5744 Dedicated Acreage 320 Acres
Name of Producing Formation Dakota Pool Basin Dakota

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 XX 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.
(Operator)
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 12, 1963

Registered Professional
Engineer and Land Surveyor.

Certificate No. 3084