

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.

SANTA FE 02901

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

FOSTER

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

BASIN DAKOTA & MESAVENDE

11. SEC., T., R., M., OR BLK.

AND SURVEY OR AREA
SEC. 4, T-26-N, R-8-W,
N.M.P.M.

12. COUNTY OR PARISH

SAN JUAN

13. STATE

NEW MEXICO

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☐

OTHER

2. NAME OF OPERATOR

SOUTHERN UNION PRODUCTION COMPANY

3. ADDRESS OF OPERATOR

P. O. Box 808, Farmington, New Mexico

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

At surface

1850 FEET FROM NORTH LINE AND 2220 FEET FROM THE EAST
LINE.

At proposed prod. zone

SAME AS ABOVE

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

28 MILES SOUTH OF BLOOMFIELD, NEW MEXICO

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. line, if any)

790 FT.

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

NONE

16. NO. OF ACRES IN LEASE

1120

19. PROPOSED DEPTH

6930

17. NO. OF ACRES ASSIGNED

TO THIS WELL

320

20. ROTARY OR CABLE TOOLS

ROTARY TOOLS

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

6391 FT. UNGRADED GROUND LEVEL

22. APPROX. DATE WORK WILL START*

OCTOBER 12, 1964

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#	300 FT.	250 BAGS
7-7/8"	5-1/2"	17.0#	6930 FT.	1400 CUBIC FT.

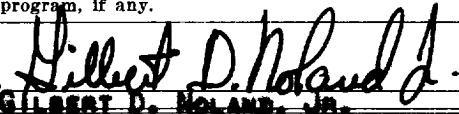
WE PROPOSE TO DRILL A WELL TO BE FULLY COMPLETED IN THE MESAVENDE AND DAKOTA FORMATIONS.
ANTICIPATED TOTAL DEPTH 6930 FEET.

- CASING PROGRAM: SURFACE - 8-5/8", 24.0#, J-55 SET AT 300 FT. CEMENTED W/250 SKS.
PRODUCTION - 5-1/2", 17.0#, J-55 SET AT TOTAL DEPTH 6930 FT. R.M.B.
1ST STAGE CEMENTED W/350 CUBIC FEET; STAGE COLLAR SET
UNDER MESAVENDE AT 4900 FEET AND CEMENTED W/350 CUBIC FEET
OF CEMENT. STAGE COLLAR SET UNDER PICTURED CLIFFS AND CEMENT-
ED W/900 CUBIC FT. CEMENT.
- ROTARY TOOLS WILL BE USED TO MUD DRILL HOLE FROM SURFACE TO T.D.
- MESAVENDE AND DAKOTA FORMATIONS WILL BE PERFORATED AND SAND FRACED TO STIMULATE
PRODUCTION.
- A BAKER 5-1/2" MODEL "D" PRODUCTION PACKER WILL BE SET AT APPROXIMATELY 6600 FT. RKB.
- 1-1/2", 2.90#, E.U.E., JCN TBS. WILL BE RUN TO DAKOTA AND LANDED AT APPROX. 6800 FT. RKB.
- 1-1/4", 2.30#, JCN INTEGRAL JT. TBS. WILL BE RUN TO MESAVENDE AND LANDED AT APPROX.
1500 FT. RKB.

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

SEPTEMBER 28, 1964

(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

Date **SEPTEMBER 28, 1964**

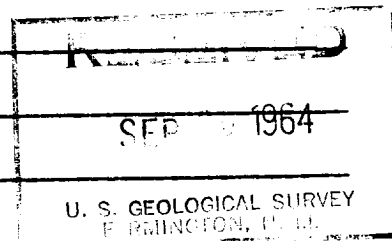
Section A.

Operator SOUTHERN UNION PRODUCTION CO. Lease FOSTER
Well No. 4 Unit Letter G Section 4 Township 26 N Range 8 W NMMN
Located 1850 Feet From north Line, 2220 Feet From east Line
County San Juan G. L. Elevation 6391 ungraded Dedicated Acreage 321.20 Acres
Name of Producing Formation Dakota Pool Basin DAKOTA

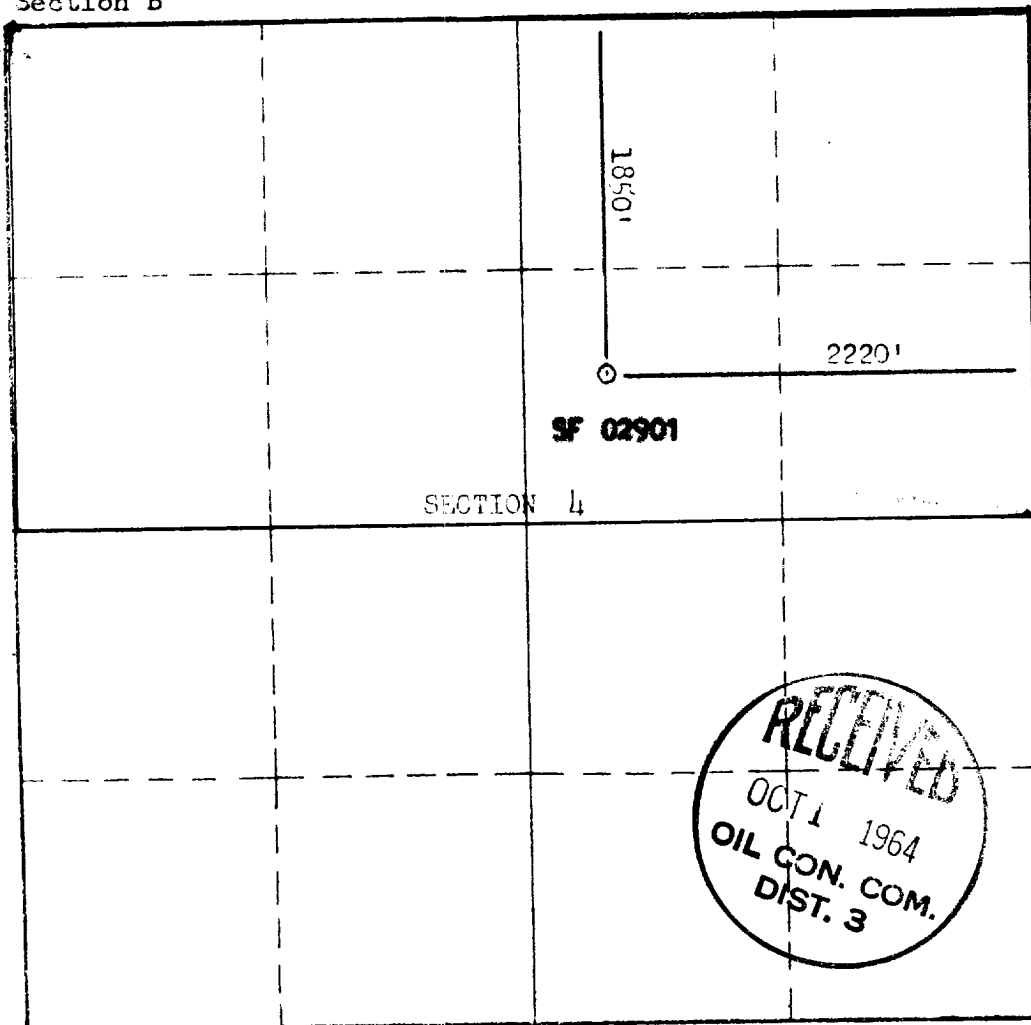
1. Is the ~~xx~~ Operator the only owner* in the dedicated acreage outlined on the plat below?
Yes No .
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes No . If answer is "yes," Type of Consolidation
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner

Land Description



Section B



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. Roland, Jr.

GILBERT D. ROLAND, JR.
P. O. BOX 808, FARMINGTON, N.MEX.

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 Sept. 16, 1964

Stephen H. Kinney
STEPHEN H. KINNEY

Registered Professional
Engineer and/or Land Surveyor.

Certificate No. 803