

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

P. O. Box 806, FARMINGTON, NEW MEXICO

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

At surface 990 FT. FROM SOUTH LINE AND 1550 FT. FROM WEST LINE

At proposed prod. zone SAME AS ABOVE

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

4 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)

1550 FT.

18. DISTANCE FROM PROPOSED LOCATION*

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

3500 FT.

16. NO. OF ACRES IN LEASE

19. PROPOSED DEPTH

6225 FT.

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

20. ROTARY OR CABLE TOOLS

ROTARY

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

5486 FT. - UNGRADED GROUND LEVEL

22. APPROX. DATE WORK WILL START*

NOVEMBER 25, 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 cu
7 7/8"	4 1/2"	10.5#	6225 FT.	1400 cu. ft.

WE PROPOSE TO DRILL A WELL TO THE DAKOTA FORMATION - ANTICIPATED TOTAL DEPTH OF 6225 FT.

THE 1ST STAGE WILL BE CEMENTED WITH 400 CUBIC FEET OF POZMIX CEMENT. A STAGE COLLAR WILL BE SET AT APPROXIMATELY 4239 FEET UNDER MESA VERDE FORMATION AND CEMENTED WITH 1400 CUBIC FEET OF 40% DIAGEL CEMENT.

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

WELL WILL BE SAND WATER FRACED TO STIMULATE PRODUCTION.

1 1/2", 2.90#, E.U.E., JCN TUBING WILL BE LANDED AT APPROXIMATELY 6150 FT. A.M.S.

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

NOVEMBER 19, 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.

Handwritten signature/initials

WELL LOCATION AND ACREAGE DEDICATION PLAT

DATE _____

SECTION A.

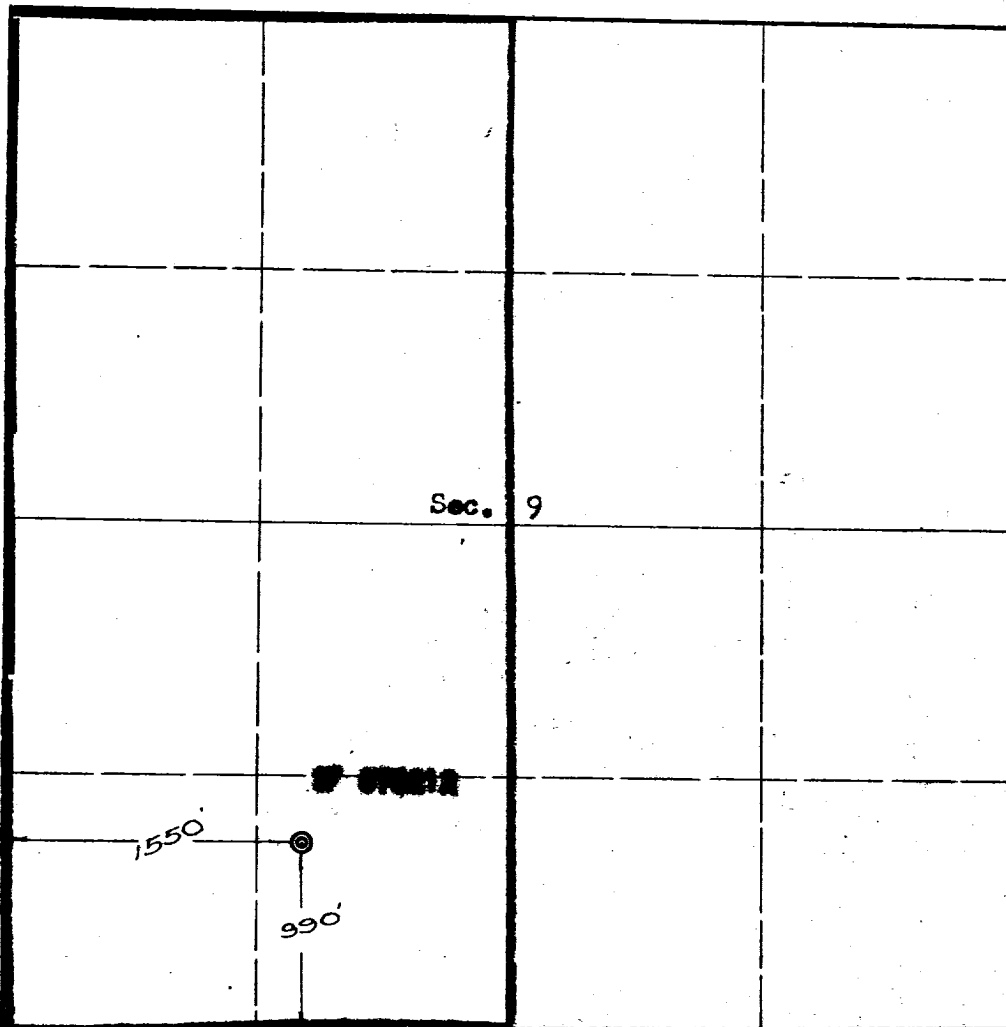
OPERATOR Southern Union Production Company LEASE None
WELL NO. 11 UNIT LETTER N SECTION 9 TOWNSHIP 30 North RANGE 13 West NMFM
LOCATED 990 FEET FROM South LINE, 1550 FEET FROM West LINE
COUNTY San Juan G. L. ELEVATION 5486 DEDICATED ACREAGE 300 ACRES
NAME OF PRODUCING FORMATION Santa Fe POOL None

1. IS THE 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 _____

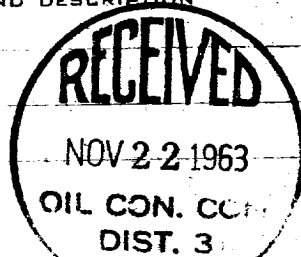
CONFIDENTIAL

- [illegible]

SECTION B.



Scale, 1 inch = 1000'



THIS IS TO CERTIFY THAT THE
INFORMATION IN SECTION A
ABOVE IS TRUE AND COMPLETE
TO THE BEST OF MY KNOWLEDGE
AND BELIEF.

Southern States Publishing Co.
 (ORATOR)
 Gilbert D. Roland Jr.
 GILBERT D. ROLAND, JR.

Post Office Box 606
Farmington, New Mexico

(ADDRESS)

THIS IS TO CERTIFY THAT THE
LOCATION SHOWN ON THE
SECTION PLANS PLOT-
TED AND NOTED OF AC-
TUAL SURVEYS MADE BY ME OR
MY SUPERVISOR AND
THE SAME ARE TRUE AND
CORRECT TO THE BEST OF MY
KNOWLEDGE AND BELIEF.

DATE SURVEYED Nov. 18, 1963

**FOUR STATES
ENGINEERING CO.**

FARMINGTON, NEW MEXICO

REGISTERED ENGINEER OR
LAND SURVEYOR

CERTIFICATE NO. 3602

