

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

MAY 3 1965

## 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 808, FARMINGTON, NEW MEXICO

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

At surface

1450 FEET FROM SOUTH LINE &amp; 1450 FEET FROM WEST LINE

At proposed prod. zone SAME AS ABOVE

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

6 MILES SOUTHEAST OF BLANCO, NEW MEXICO

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. line, if any)

1450 FT.

## 18. DISTANCE FROM PROPOSED LOCATION\*

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

275 FT.

PLUGGED WELL.

## 16. NO. OF ACRES IN LEASE

320

## 19. PROPOSED DEPTH

6750 FT.

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320

## 20. ROTARY OR CABLE TOOLS

ROTARY

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

5781 UNGRADED GROUND LEVEL

## 22. APPROX. DATE WORK WILL START\*

MAY 3, 1965

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------|
| 15"          | 10-3/4"        | 32.75           | 300 FT.       | 250 BAGS           |
| 9-7/8"       | 7-5/8"         | 26.40           | 2400 FT.      | 800 CUBIC FT.      |
| 6-3/4"       | 5"             | 15.0            | 6750 FT.      | 1000 CUBIC FT.     |

WE PROPOSE TO DRILL A WELL TO BE DUALY COMPLETED IN THE DAKOTA AND MESAVARDE FORMATIONS.  
ANTICIPATED TOTAL DEPTH 6850 FEET R.K.B.

## 1. PROPOSED CASING PROGRAM:

SURFACE: 10-3/4", 32.75#, H-40 SET AT 300 FT. CEMENTED TO SURFACE W/250 BAGS.

INTERMEDIATE: 7-5/8", 26.40#, J-55 SET AT 2400 FT. CEMENTED TO SURFACE W/800 CU. FT.

PRODUCTION: 5", 15.0#, J-55 SET AT TOTAL DEPTH OF 6750 FEET R.K.B. CEMENTED W/ 1000 CU. FT. OF CEMENT.

2. ROTARY TOOLS WILL BE USED TO MUD DRILL HOLE FROM SURFACE TO INTERMEDIATE CASING POINT OF 2400 FEET.

3. ROTARY TOOLS WILL BE USED TO GAS DRILL 6-3/4" HOLE FROM 2400 FEET TO TOTAL DEPTH OF 6750 FEET R.K.B.

4. THE MESAVARDE AND DAKOTA FORMATIONS WILL BE SAND FRACED TO STIMULATE PRODUCTION.

5. A BAKER 5" MODEL "I" PRODUCTION PACKER WILL BE SET AT THE APPROXIMATE DEPTH OF 6400 FT. R.K.B.

6. 1-1/2", 2.75#, JCM INTEGRAL JOINT TUBING WILL BE RUN TO THE DAKOTA AND LANDED AT APPROX. 6550'

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.  
GILBERT D. NOLAND, JR.

TITLE

XXXXXXXXXX

DRILLING SUPERINTENDENT

DATE

APRIL 30, 1965

(This space for Federal or State office use)

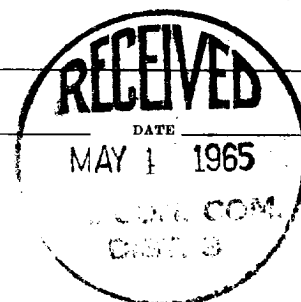
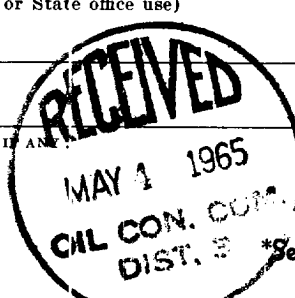
PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY

TITLE



\*See Instructions On Reverse Side

## 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.

7. 1-1/4, 2.30#, JCW INTEGRAL JOINT TUBING WILL BE RUN TO THE MESAVERDE AND LANDED AT APPROXIMATELY 4300 FEET R.K.B.

**NEW MEXICO OIL CONSERVATION COMMISSION**  
WELL LOCATION AND ACREAGE DEDICATION PLAT

**SECTION A.**

DATE **APRIL 29, 1965**  
**FEDERAL LAND**

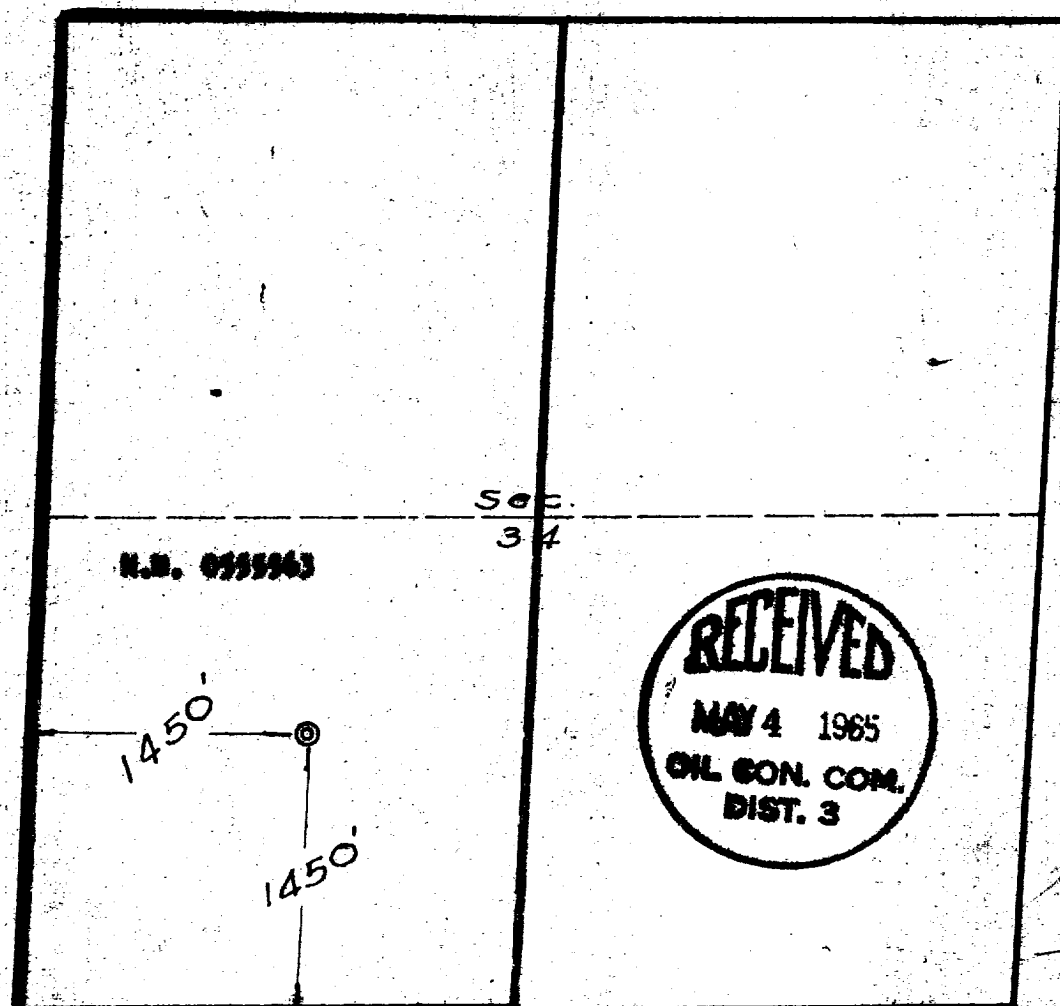
OPERATOR Southern Union Production Company LEASE \_\_\_\_\_  
WELL NO. 1 UNIT LETTER K SECTION 34 TOWNSHIP 29 NORTH RANGE 1 WEST NMPN  
LOCATED 1450 FEET FROM South LINE, 1450 FEET FROM West LINE  
COUNTY San Juan B. L. ELEVATION 5781 DEDICATED ACREAGE \_\_\_\_\_ ACRES  
NAME OF PRODUCING FORMATION SANJOA & DEBAVENDE POOL SANJOA & DEBAVENDE

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 CONSOLIDATION 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.**

*Robert D. Roland, Jr.*  
**Robert D. Roland, Jr.**

**P. O. Box 608**  
**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 **APRIL 29, 1965**

**FOUR STATES**  
**ENGINEERING CO.**

**FARMINGTON, NEW MEXICO**

*Ernest A. Cook, Jr.*  
**REGISTERED ENGINEER OR**  
**LAND SURVEYOR**

CERTIFICATE NO. 3602