

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-645 20138

## 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 87401

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

At surface

1090 feet from the North line and 1520 feet from the East line.

At proposed prod. zone Same as above

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

32 Miles South of Bloomfield, New Mexico

## 15. DISTANCE FROM PROPOSED\*

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

3760 ft.

## 18. DISTANCE FROM PROPOSED LOCATION\*

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

2660 ft.

## 16. NO. OF ACRES IN LEASE

## 19. PROPOSED DEPTH

7000 ft.

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320

## 20. ROTARY OR CABLE TOOLS

Rotary

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

6686 ft. Ungraded ground level

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

August 29, 1967

## 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 sacks
7-7/8"	4-1/2"	10.5	7000 ft.	2600 cu. ft. (3 stage)

WE PROPOSE TO DRILL A DAKOTA WELL; ANTICIPATED TOTAL DEPTH 7000 ft. R.I.B.

## Casing Program:

Surface: 8-5/8", 24.0#, J-55 set at 300 ft. Cemented w/250 sacks.

Production: 4-1/2", 10.50#, J-55 set at T.D. 7000 ft. 1st stage cemented with 650 cu. ft. cement; stage collar set at approx. 5050 ft. under Mesaverde cemented w/850 cu. ft. of cement; stage collar set at approx. 2550 ft. under Pictured Cliffs and cemented with 1100 cu. ft. of cement.

2. Rotary tools will be used to mud drill well from surface to T.D.

3. Dakota will be sand fraced to stimulate production.

4. 1-1/2", I.U.E., 2.90#, JCW tubing will be landed at approx. 6900 ft. R.I.B.

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. Original signed by  
GILBERT D. NOLAND, JR.  
SIGNED Gilbert D. Noland, Jr. TITLE Drilling Superintendent DATE August 28, 1967  
(This space for Federal or State office use)

PERMIT NO. 9A

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

DATE

AUG 29 1967

\*See Instructions On Reverse Side

U. S. GEOLOGICAL SURVEY  
FARMINGTON, N. M.

## 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.

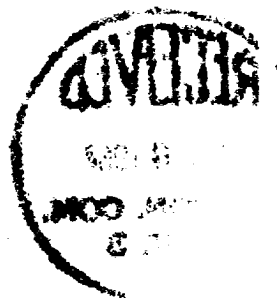
**Item 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

**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 ACERAGE DEDICATION PLAT**

All distances must be from the outer boundaries of the Section

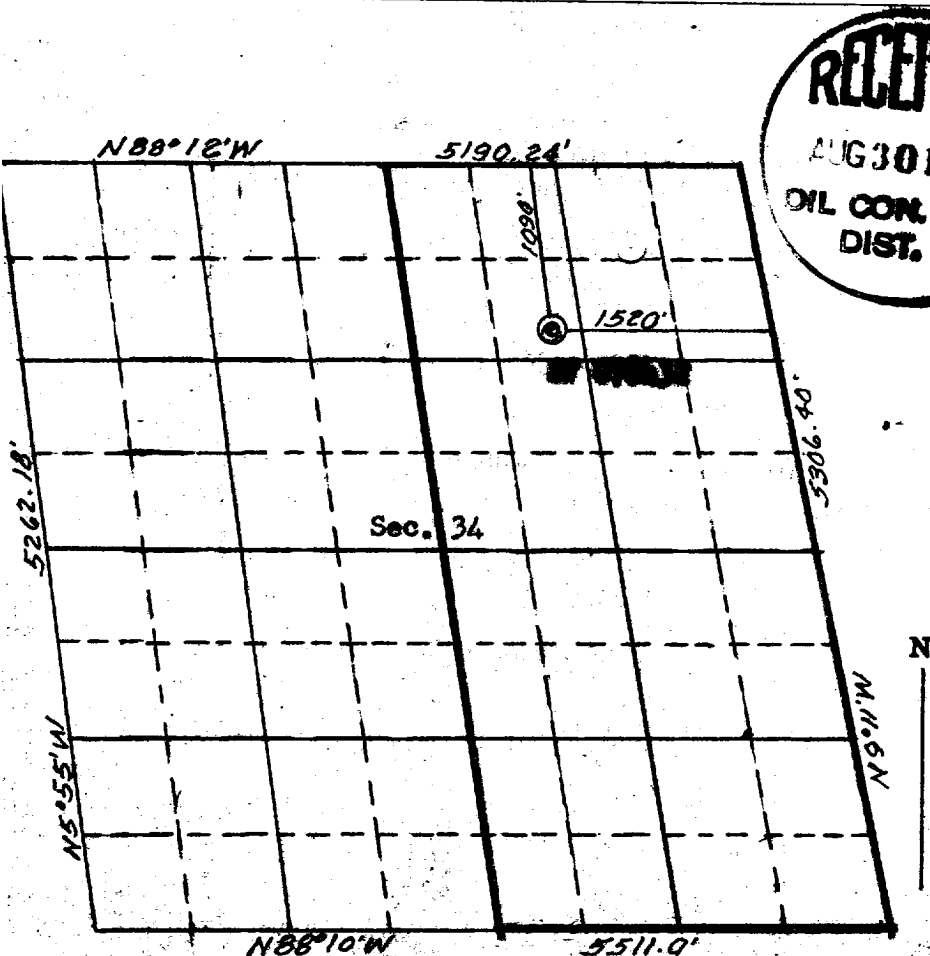
Operator <b>SOUTHERN UNION PRODUCTION COMPANY</b>			Lease <b>100000</b>		Well No. <b>13</b>
Unit Letter <b>B</b>	Section <b>34</b>	Township <b>26 NORTH</b>	Range <b>8 WEST</b>	County <b>SAN JUAN</b>	
Actual Footage Location of Well: <b>1090</b> feet from the <b>NORTH</b> line and <b>1520</b> feet from the <b>EAST</b> line					
Ground Level Elev. <b>6686.0</b>	Producing Formation <b>BARRO</b>		Pool <b>EAST BARRO</b>	Dedicated Acreage: <b>2/2</b> <b>300</b> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty),
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

( ) Yes. If answer is "yes," type of consolidation .....

If answer is "no," list the owners and tract descriptions which have actually consolidated. (Use reverse side of this form if necessary.) .....

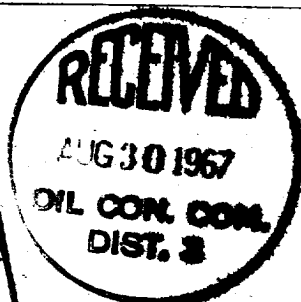
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non standard unit, eliminating such interests, has been approved by the Commission.



Scale: 4" = 1 mile

San Juan Engineering Company

Farmington, New Mexico



**CERTIFICATION**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Original signed by  
**GILBERT D. NOLAND, JR.**

Name  
**Gilbert D. Noland, Jr.**

Position  
**Drilling Superintendent**

Company  
**Southern Union Production Co.**

Date  
**August 28, 1967**

I hereby certify that the well location shown on this plat 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  
**July 10, 1967**  
 Registered Professional Engineer  
**James F. Leese**  
 and/or Licensed Surveyor

**H. Mearns**  
 Certificate No. **100000**

