

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-045-21756

## 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

1450 feet from the South line &amp; 895 feet from the East line.

At proposed prod. zone Same as above

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

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

1450' - Lease Line

895' Unit Line

## 16. NO. OF ACRES IN LEASE

2401.4

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

Approx. 1850 ft.

## 19. PROPOSED DEPTH

5480 ft.

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

315.99 88

## 20. ROTARY OR CABLE TOOLS

Rotary

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

6095 ft. G.L.

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

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-3/4"	10-3/4"	40.5#	200 ft.	160 cubic feet
9-7/8"	7"	23#	3140 ft.	1248 cubic feet
6-1/4"	4-1/2" (Liner)	10.5#	2990 - 5480'	385 cubic feet

It is proposed to drill a well to be completed in the Mesaverde formation. This well will be mud drilled through the Pictured Cliffs and then gas drilled to T.D. Estimated total depth will be 5480 feet. The Mesaverde will be sand fraced in order to stimulate production. Tubing size will be 2-1/16" set at approximately 5180 feet.

APR 19 1975

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  
Jerry L. Lee  
Area Engineer  
SIGNED \_\_\_\_\_ TITLE \_\_\_\_\_ DATE March 31, 1975  
Jerry L. Lee

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\*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.

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section

Owner <b>SOUTHERN UNION PRODUCTION COMPANY</b>				Lease <b>NORDHAUS</b>		Well No. <b>3 A</b>
Section <b>I</b>	Section <b>11</b>	Range <b>31 NORTH</b>	Range <b>WEST</b>	County <b>SAN JUAN</b>		
Actual Surface Location of Well: <div style="display: flex; justify-content: space-between;"> <span>feet from the</span> <span>line and</span> <span>feet from the</span> <span>line</span> </div>						
Surface Elev. <b>8095</b>	Producing Formation <b>MESAVERDE</b>		Foot <b>BLANCO MESAVERDE</b>		Dedicated Acreage <b>E/2 315.00</b> Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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 ☒ No

If answer is "yes," type of consolidation

If answer is "no," list the owners and tract descriptions which have actually been 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.

**Dedicated Acreage**

Nordhaus No. 3



11 SF 078508

895'

1450

CERTIFICATION

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

Original Signed By

Jerry L. Lee

Name

Jerry L. Lee

Position

Area Engineer

Company

Southern Union Production

Date

March 31, 1975

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.

Signature

19 March 1975

Signature of Professional Engineer

James P. Leese

Professional No.

1463

130 120 110 100 90 80 70 60 50 40 30 20 10 0

SOUTHERN UNION PRODUCTION COMPANY

POST OFFICE BOX 808  
FARMINGTON, NEW MEXICO 87401

March 31, 1975

United States Geological Survey  
P. O. Box 959  
Farmington, New Mexico 87401

Attention: Mr. P. T. McGrath

Dear Sir:

Southern Union Production Company proposes to drill its Nordhaus No. ~~9~~ 3 A Mesaverde well located 1450 feet from the South line and 895 feet from the East line of Section 11, Township 31 North, Range 9 West, N.M.P.M., San Juan County, New Mexico.

Attached are maps showing the following data:

1. Existing roads.
2. Planned access roads.
3. Location of existing wells.
4. Lateral roads to well locations.
5. The location of tank batteries and flow lines are not presently known. After the well has been drilled and the location has been cleaned this equipment will then be installed on the existing location. It is requested that a subsequent map be submitted after determining the exact location.
6. Drilling and completion water will be obtained from the Pump Canyon wash and San Juan river.
7. Waste will be disposed of by being placed in the reserve pit and buried. Some will be burned in burn pit which will be covered after the well has been completed.
8. There will be no camp at or near the proposed well site.
9. There will be no airstrip.
10. A map is attached showing the location of the rig, mud tanks, reserve pit, burn pit, pipe racks, etc. The access road and location will be compacted.
11. After the well is completed the location will be cleaned and bladed. The reserve pit will be fenced until it has dried and then it will be filled and restored to its natural state. The access road will be left as is for well maintenance.
12. The location is beside the Long Glade wash. The location is predominately sparse range grass.

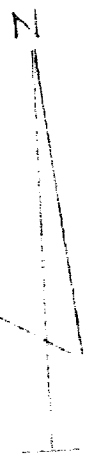
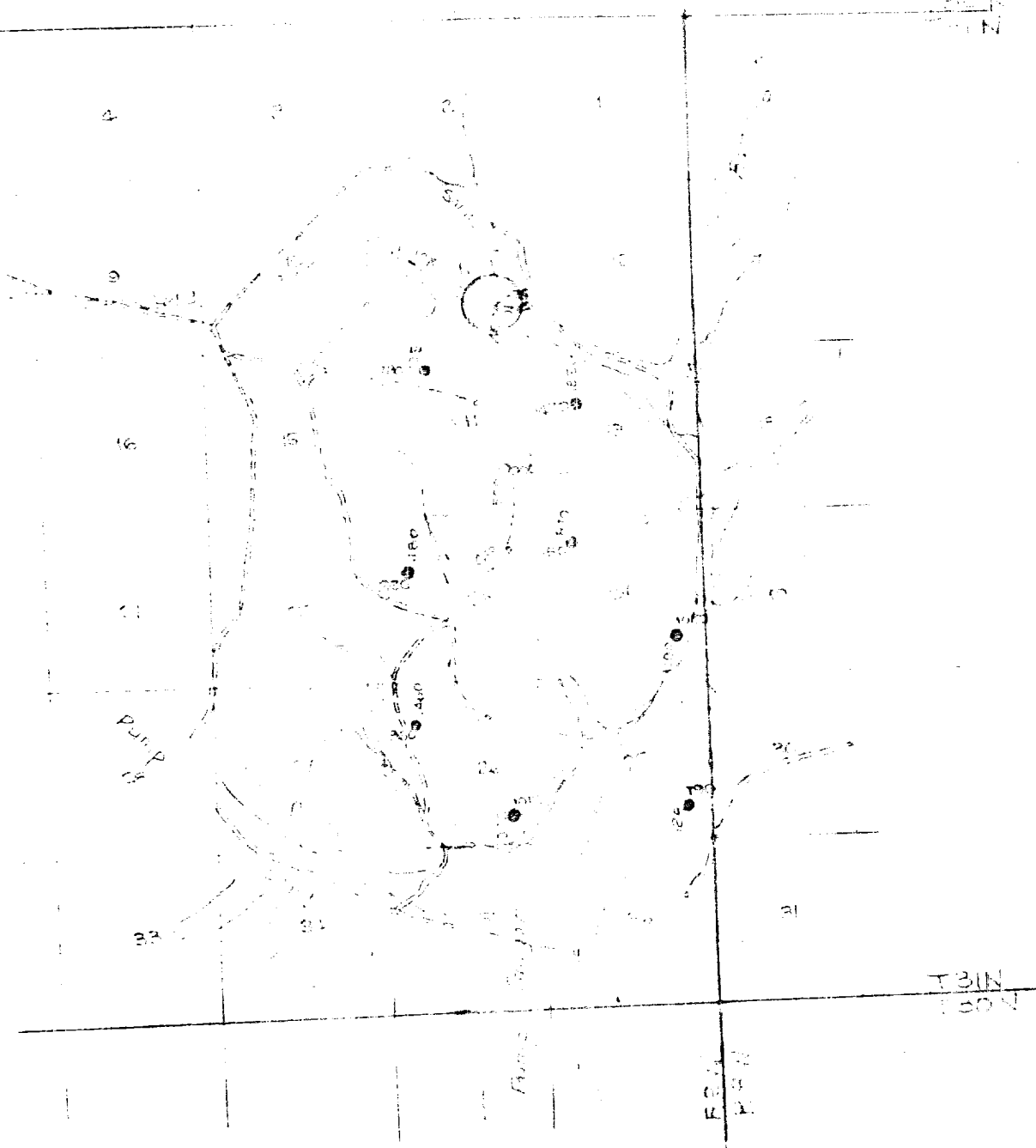
Yours very truly,

SOUTHERN UNION PRODUCTION COMPANY



Jerry L. Lee  
Area Engineer

T3IN  
T3IN



1/2 mile

Verdugo Map for **Wardhaus No. 3A**

Continued from Sheet 20.  
 IC was located at T3IN E2W  
 E in Juan Co. Now Map, Sec. 11-  
 NW/SE; S. 15- SE/NW Sec. 14- NE/SE &  
 NE/NW Sec. 23- NW/NW Sec. 24- SE/SE &  
 NW/NE Sec. 28- SE/SE Sec. 30- SW/NW &  
 T3IN Sec. 31- NW

San Juan Pigeon Co.  
 Verdugo, New Mexico

SOUTHERN UNION PRODUCTION COMPANY  
NORDHAUS NO. 34  
1450/S & 895/E, Sec. 11, T-31N, R-9W  
SAN JUAN COUNTY, NEW MEXICO

