

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-845-20187

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  
**1850 ft. from the South line and 790 ft. from the East line.**  
 At proposed prod. zone **Same as above**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**27 miles Southeast of Bloomfield, New Mexico**

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
**1850 ft.**

16. NO. OF ACRES IN LEASE **7.46** NO. OF ACRES ASSIGNED TO THIS WELL

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
**400 ft.**

19. PROPOSED DEPTH **7325 ft.** 20. ROTARY OR CABLE TOOLS **Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**6900 ft. Ungraded ground level**

5. LEASE DESIGNATION AND SERIAL NO.  
**SF 078131**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

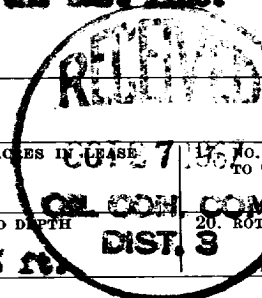
8. FARM OR LEASE NAME  
**Hickson**

9. WELL NO.  
**17**

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**Sec. 22, T-26N, R-8E**

12. COUNTY OR PARISH **San Juan** 13. STATE **New Mexico**



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	7325 ft.	2800 cu. ft. (3 stage)

We propose to drill a Dakota well; Anticipated total depth 7325 ft.

- Casing Program:  
 Surface: 8-5/8", 24.0#, J-55 set at 300 ft. Cemented w/250 sacks.  
 Production: 4-1/2", 10.5#, J-55 set at total depth of 732 ft. R.K.B.  
 1st stage cemented w/700 cu. ft. cement; Stage collar set at approx. 5500 ft. under Mesaverte and cemented with 900 cu. ft. cement; Stage Collar set at approx. 3000 ft. under Pictured Cliffs and cemented with 1200 cu. ft. cement.
- Rotary tools will be used to mud drill well from surface to total depth.
- Well will be sand fraced to stimulate production.
- 1-1/2", M.U.E., 2.90# tubing will be set at approx. 7200 ft. R.K.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  
 SIGNED GILBERT D. NOLAND, JR. TITLE Drilling Superintendent DATE October 25, 1967  
Gilbert D. Noland, Jr.  
 (This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 APPROVED BY [Signature] 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 ACERAGE DEDICATION PLAT**

All distances must be from the outer boundaries of the Section

Operator <b>SOUTHERN UNION PRODUCTION COMPANY</b>		Lease <b>RECEIVED</b>		Well No <b>17</b>	
Unit Letter <b>I</b>	Section <b>22</b>	Township <b>26 NORTH</b>	Range <b>8 WEST</b>	County <b>SAN JUAN</b>	
Actual Footage Location of Well:					
<b>1850</b> feet from the <b>SOUTH</b> line or		<b>790</b> feet from the <b>EAST</b> line			
Ground Level Elev <b>6900.0</b>	Producing Formation <b>BARRO</b>	Pool <b>BARRO BARRO</b>	Dedicated Acreage <b>1/2 300</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 ( ) No 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.

**CERTIFICATION**

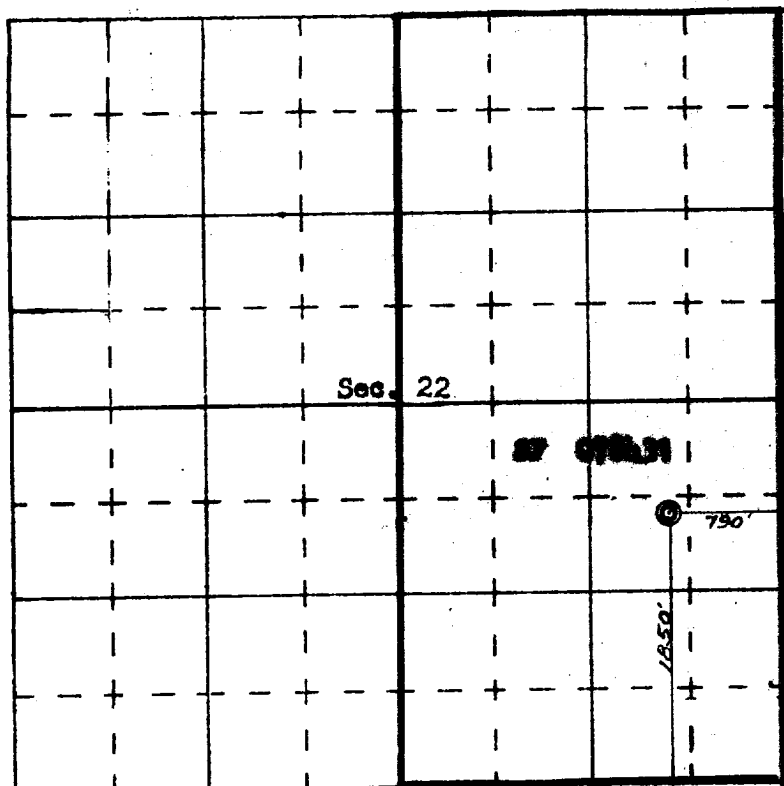
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

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

Name  
**Gilbert D. Noland, Jr.**  
 Position  
**Drilling Superintendent**  
 Company  
**Southern Union Production**  
 Date  
**October 25, 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  
**13 October 1967**  
  
 Registered Professional Engineer  
 and/or Land Surveyor  
**JAMES P. LEESE**



SCALE—4 INCHES EQUALS 1 MILE