

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 808, FARMINGTON, NEW MEXICO 87401 OIL CON. COM. DIST. 3

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 790 FT. FROM NORTH LINE AND 1850 FT. FROM EAST LINE
At proposed prod. zone SAME AS ABOVE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
28 MILES SOUTHEAST OF BLOOMFIELD, NEW MEXICO

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 790 FT.

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL 320

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 924 FT.

19. PROPOSED DEPTH 7325 FT.

20. ROTARY OR CABLE TOOLS ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6937 FT. UNGRADED GROUND LEVEL

22. APPROX. DATE WORK WILL START*
NOVEMBER 8, 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 BAGS
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.

1. CASING PROGRAM:

SURFACE: 8-5/8", 24.0#, J-55 SET AT 300 FT. CEMENTED TO SURFACE w/250 SX.
PRODUCTION: 4-1/2", 10.5#, J-55 SET AT TOTAL DEPTH OF 7325 FT. R.K.B. 1ST STAGE CEMENTED w/700 CU. FT. OF CEMENT; STAGE COLLAR SET AT APPROXIMATELY 5500 FT. R.K.B. UNDER MESAVERDE AND CEMENTED w/900 CU. FT. CEMENT; STAGE COLLAR SET AT APPROXIMATELY 3000 FT. UNDER PICTURED CLIFFS AND CEMENTED w/1200 CU. FT. CEMENT.

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

3. WELL WILL BE SAND FRACED TO STIMULATE PRODUCTION.

4. 1-1/2", E.U.E., 2.90# TUBING WILL BE SET AT APPROXIMATELY 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
GILBERT D. NOLAND, JR.
SIGNED _____ 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 _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

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

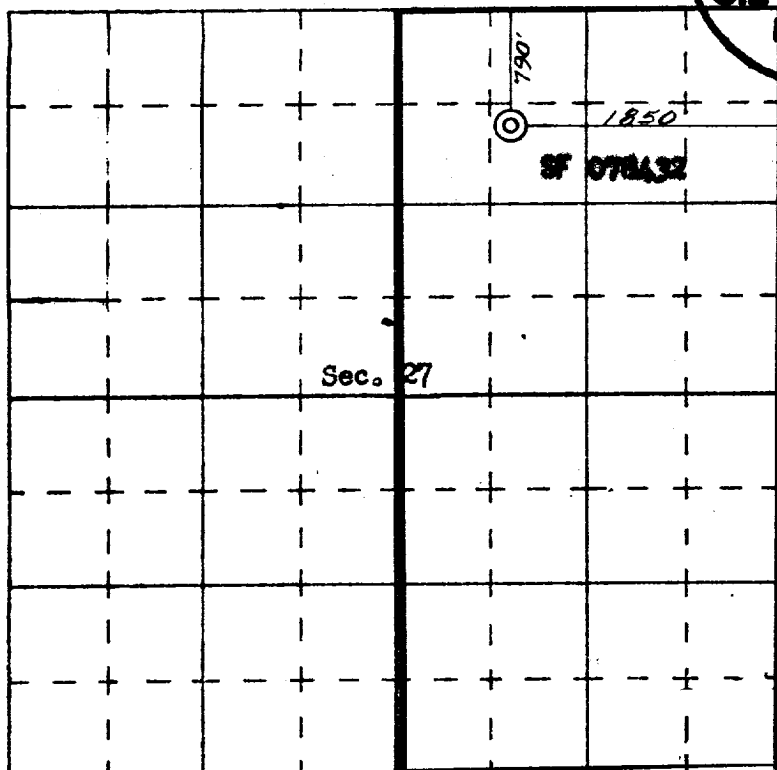
Operator SOUTHERN UNION PRODUCTION COMPANY			Lease HODGES		Well No. 15
Unit Letter B	Section 27	Township 26 NORTH	Range 8 WEST	County SAN JUAN	
Actual Footage Location of Well: 790 feet from the NORTH line and 1850 feet from the EAST line					
Ground Level Elev. 6937.0	Producing Formation Dakota	Pool Basin Dakota	Dedicated Acreage 5/2 320 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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

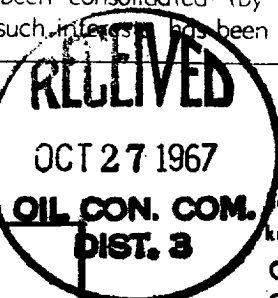
If answer is "no," list the owners and tract descriptions which have actually consolidated. (Use reverse side of this form if necessary.)

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.



SCALE—4 INCHES EQUALS 1 MILE

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.



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 COMPANY

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
11 October 1967

Registered Professional Engineer
and/or Land Surveyor
JAMES P. LARSE

1463
Certificate No.