

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface 1625 FT. FROM SOUTH LINE & 915 FT. FROM WEST LINE
At proposed prod. zone SAME AS ABOVE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
15 MILES SOUTH OF GOVERNADOR, NEW MEXICO

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 915 FT.

16. NO. OF ACRES IN LEASE 2560

17. NO. OF ACRES ASSIGNED TO THIS WELL 319.81

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 5255 FT.

19. PROPOSED DEPTH 7820 FT.

20. ROTARY OR CABLE TOOLS ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6692 FT. UNGRADED GROUND LEVEL

22. APPROX. DATE WORK WILL START* JULY 25, 1969

23. PROPOSED CASING AND CEMENTING PROGRAM

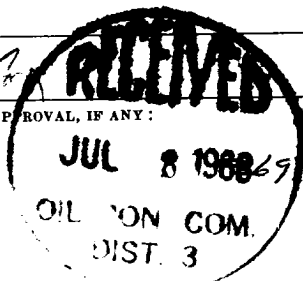
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-3/4"	10-3/4"	32.75#	300 FT.	250 BAGS
9-7/8"	7-5/8"	26.40#	3535 FT.	750 CU. FT.
6-3/4"	5-1/2"	15.50#	3385-7820 FT.	750 CU. FT.

- WE PROPOSE TO DRILL A WELL TO BE DUALY COMPLETED IN THE DAKOTA & MESAVERT DE FORMATIONS. ANTICIPATED TOTAL DEPTH 7820 FT.
1. CASING PROGRAM:
SURFACE - 10-3/4", 32.75#, H-40 SET AT 300 FT. CEMENTED TO SURFACE @ 250 BAGS.
INTERMEDIATE - 7-5/8", 26.40#, J-55 SET AT 3535 FT. CEMENTED @ 750 CU. FT. CEMENT.
LINER - 5-1/2", 15.50#, J-55 SET FROM 3385-7820 FT. AND CEMENTED @ APPROXIMATELY 750 CU. FT. OF CEMENT.
2. WELL WILL BE MUD DRILLED FROM SURFACE TO 3535 FT. & GAS DRILLED FROM 3535 FT. TO TOTAL DEPTH 7820 FT.
3. MESAVERT DE AND DAKOTA ZONES WILL BE SAND FRACED TO STIMULATE PRODUCTION.
4. BAKER MODEL "D" 5-1/2" PRODUCTION PACKER WILL BE SET AT APPROXIMATELY 7450 FT. R.K.B.
5. 1-1/2", E.U.E., 2.90#, JCH TSB. WILL BE RUN TO DAKOTA AND LANDED AT APPROX. 7700' R.K.B.
6. 1-1/2", INTERNAL JOINT, 2.75#, JCH TSB. WILL BE RUN TO MESAVERT DE AND LANDED APPROX. 5500 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 GILBERT D. NOLAND, JR. TITLE DRILLING SUPERINTENDENT DATE JULY 1, 1969
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE _____
CONDITIONS OF APPROVAL, IF ANY: _____



RECEIVED

JUL 7 1969

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

*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 ACERAGE DEDICATION PLAT**

All distances must be from the outer boundaries of the Section

Operator

Well No.

SOUTHERN UNION PRODUCTION COMPANY
Unit Letter Section Township

JICARILLA "G"

6

L 2 26 NORTH

5 WEST RIO ARRIBA

Approximate location of Well

1625

SOUTH

915

WEST

County

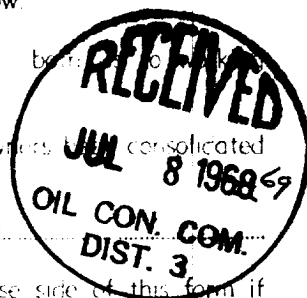
**Mesaverde
Dakota**

**Blanco Mesaverde
Basin Dakota**

W/2 319.81

Acre

- Outline the acreage dedicated to the subject well by color pencil or ballpoint marker on the plat below.
- If more than one lease is dedicated to the well, outline each lease and its ownership, interest, and royalty.
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners consolidated by nomination, unitization, or forced pooling, etc.
- Yes No If answer is "yes," type of consolidation Operating Agreement
- If answer is "yes," list the owners and tract description, which have been consolidated. (Use reverse side of this form if necessary.)
- No oil well has been dedicated to the well and all interest must be consolidated by nomination, unitization, forced pooling, or other well formation or unit, eliminating such interest, has been approved by the Commission.



Dedicated Mesaverde Acreage

Dedicated Dakota Acreage

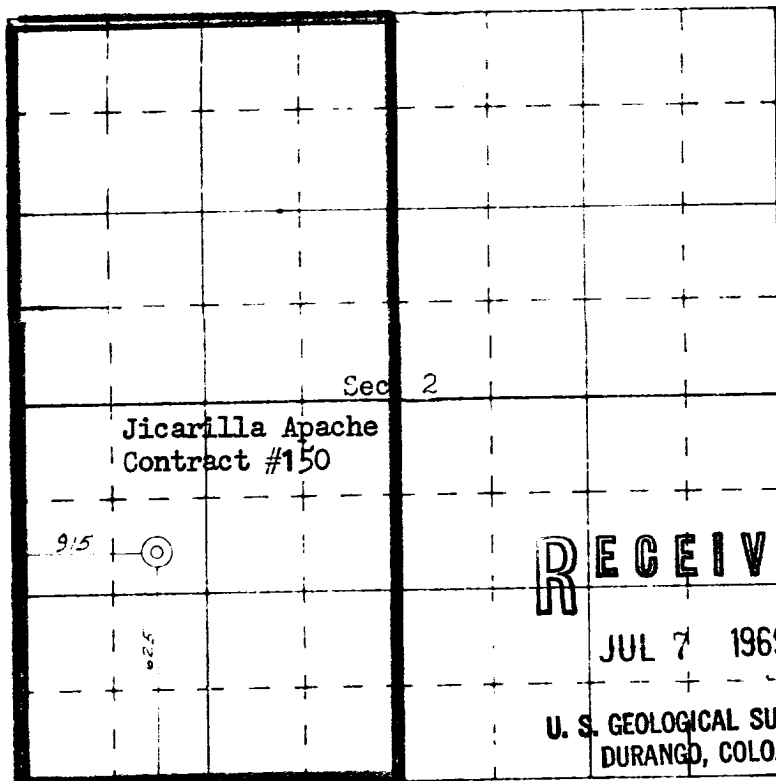
CERTIFICATION

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

Original signed by
Name **GILBERT D. NOLAND, JR.**
Gilbert D. Noland, Jr.
Position **Drilling Superintendent**
Southern Union Production
Date **July 7, 1969**

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 **1 July, 1969**
Signature *James P. Leese*
Position **Regional Project Engineer**
JAMES P. LEESE
1462
Certificate No.



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JUL 7 1969

**U. S. GEOLOGICAL SURVEY
DURANGO, COLO.**

SCALE—4 INCHES EQUALS 1 MILE

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.