

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface

At proposed prod. zone

Same as above

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

5 miles North of Otero, New Mexico

15. DISTANCE FROM PROPOSED*

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

1650 ft.

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

16. NO. OF ACRES IN LEASE

6950 ft.

19. PROPOSED DEPTH

6950 ft.

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

20. ROTARY OR CABLE TOOLS

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

6605 ft. Degraded ground level

22. APPROX. DATE WORK WILL START*

July 21, 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"	5-1/2"	15.5	6950 ft.	2350 cu. ft.

WE Propose to drill a well to be dually completed in the Gallup and Dakota formation.
Anticipated total depth 6950 ft. A.B.

1. Casing program:

Surface: 8-5/8", 24.0, J-55 set at 300 ft. Cemented to surface w/250 sacks.
Production: 5-1/2", 15.50, J-55 set at total depth 6950 ft. A.B. 1st stage
cemented w/approx. 550 cu. ft. cement. Stage collar set at approx.
4800 ft. under Mesaverde and cemented w/approx. 600 cu. ft. cement.
Stage collar set at approx. 2600 ft. under Pictured Cliffs and cemented
w/approx. 1200 cu. ft. cement.

2. Rotary tools will be used to sand drill hole from surface to total depth.

3. Gallup and Dakota formations will be sand fraced to stimulate production. (WFS)

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 18, 1967

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

DATE JUL 19 1967

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 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 plat, 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.

☆ U.S. GOVERNMENT PRINTING OFFICE : 1963-O-711-398

XXI

4. Baker 5-1/2" Packed "3" Production Packer will be set at approximately 6700 ft. M.K.B.
5. 2-1/16", 3.30", J-55 tubing will be run to Dakota and landed at approximately 6650 ft. M.K.B.
6. 2-1/16", 3.30", J-55 tubing will be run to Gallup and landed at approximately 5800 ft. M.K.B.
7. In event Gallup zone is not present the well will be completed in the Dakota formation only and 4-1/2", 10.50", J-55 casing will be set at total depth of 6950 ft. M.K.B.

**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 JICARILLA "L" Well No. 2
Unit Letter G Section 10 Township 24 NORTH Range 5 WEST County RIO ARriba
Actual Footage Location of Well: 1650 feet from the NORTH line and 1650 feet from the EAST line
Ground Level Elev. 6605.0 Formations Dakota & Gallup Pool Basin Dakota - Otero Gallup Dedicated Acreage 44
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 (share in 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.

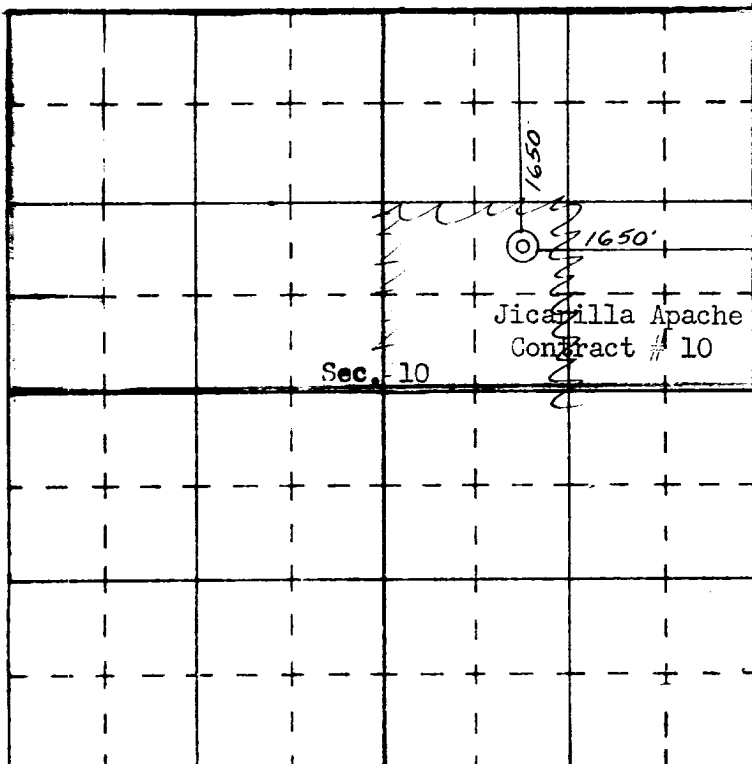
Original signed by
GILBERT D. NOLAND, JR.

Name Gilbert D. Noland, Jr.
Position Drilling Superintendent
Company Southern Union Production Co.
Date July 18, 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.

July 17, 1967
Date Surveyed

Registered Professional Engineer
and/or Land Surveyor
JAMES P. REESE
1463
Certificate No.



N

SCALE—4 INCHES EQUALS 1 MILE

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.