

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 806 - Farmington, New Mexico

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

At surface

1650 ft. from the South line and 990 ft. from the West line

At proposed prod. zone

Same as above

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

29 Miles South of Bloomfield, New Mexico

15. DISTANCE FROM PROPOSED*

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

990 ft.

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

810 ft.

16. NO. OF ACRES IN LEASE

322.4

19. PROPOSED DEPTH

6630 ft.

17. NO. OF ACRES ASSIGNED
TO THIS WELL

322.4

20. ROTARY OR CABLE TOOLS

Rotary Tools

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

6090.0 ft. Ungraded ground level

22. APPROX. DATE WORK WILL START*

May 2, 1966

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 ex.
7-7/8"	4-1/2"	10.5#	6630 ft.	1600 cu. ft. (3 stage)

We propose to drill a well to the Dakota formation. Anticipated total depth 6630 feet.

1. Casing program:

Surface: 8-5/8", 24.0#, J-55 set at 300 ft. Cemented to surface w/250 sacks.

Production: 4-1/2", 10.50#, J-55 set at T.D. of 6630 ft. 1st stage cemented with approximately 400 cu. ft. Cement, Stage Collar set under Mesaverde at approximately 4600 ft. Cemented w/400 cu. ft. cement; Stage Collar set under Pictured Cliffs at approx. 2100 feet. Cemented w/800 cu. ft. Cement.

2. Well will be mud drilled from surface to total depth w/Rotary tools.

3. Dakota formation will be perforated and Sand fraced to stimulate production.

4. 1-1/2", E.U.E., 2.90#, JCW Tubing will be landed at approx. 6550 feet.

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.

SIGNED

Gilbert D. Noland, Jr.

TITLE

Drilling Superintendent

DATE

April 22, 1966

(This space for Federal or State office use)

PERMIT NO.

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

*See Instructions On Reverse Side

5. LEASE DESIGNATION AND SERIAL NO.

I-119-Indian 0169

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NAVAJO INDIAN

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

NAVAJO "C"

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

BANK DAKOTA

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec. 31, T-27N, R-8W

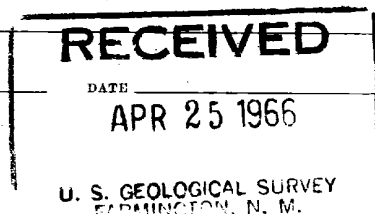
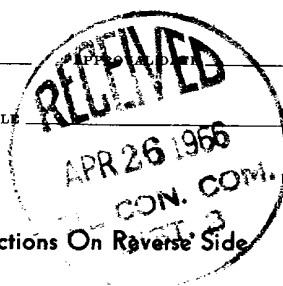
N.M.P.M.

12. COUNTY OR PARISH

13. STATE

San Juan

New Mexico



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

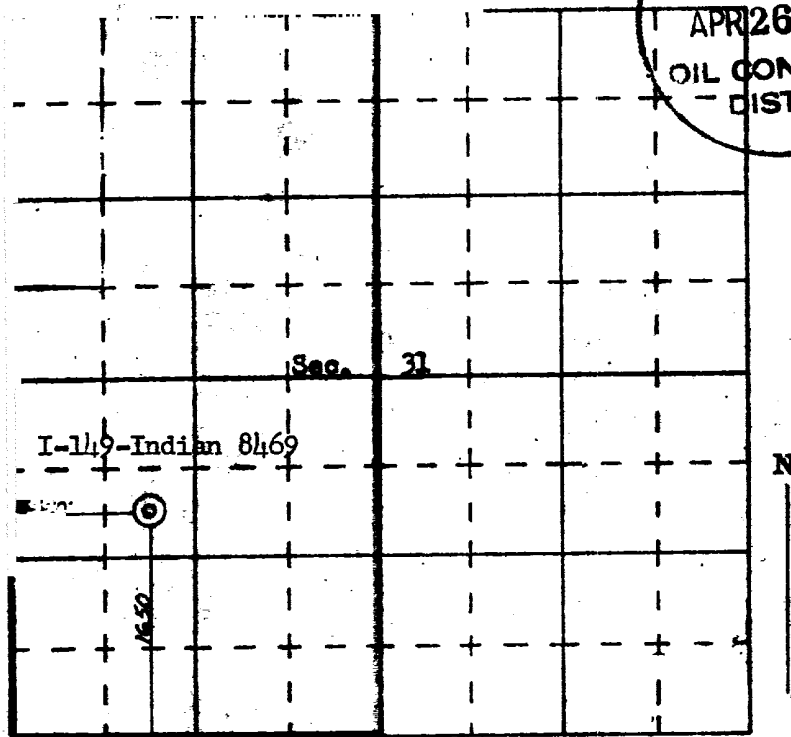
Operator SOUTHERN UNION PRODUCTION COMPANY			Lease NAVAJO "C"		Well No. 2
Unit Letter 1	Section 31	Township 27 NORTH	Range 8 WEST	County SAN JUAN	
Actual Footage Location of Well: 1650 feet from the SOUTH line and 990 feet from the WEST line					
Ground Level Elev. 6090.0	Producing Formation DAKOTA	Pool BASIN DAKOTA	Dedicated Acreage: 322.4 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 well 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.

Gilbert D. Noland, Jr.
Name
Gilbert D. Noland, Jr.

Drilling Superintendent
Position

Southern Union Production Co.
Company

April 22, 1966
Date

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.

April 22, 1966
Date
San Juan Engineering Company
Certificate