Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

30-045-20219

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

RECEIVED
FEB 20 1968
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

5. LEASE DESIGNATION AND SERIAL NO.: SF 078433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: NEWSOM

9. WELL NO.: 20

10. FIELD AND POOL, OR WILDCAT: BASIN DAKOTA

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: SEC. 19, T-26N, R-8W, N.M.P.M.

12. COUNTY OR PARISH: SAN JUAN

13. STATE: NEW MEXICO

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] 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: 970 FT. FROM THE NORTH LINE AND 990 FT. FROM THE EAST 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. unit line, if any): 790 FT.

16. NO. OF ACRES IN LEASE: 1480.36

17. NO. OF ACRES ASSIGNED TO THIS WELL: [redacted] 320

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: 150 FT.

19. PROPOSED DEPTH: 6600 FT.

20. ROTARY OR CABLE TOOLS: ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 6243 FT. UNGRADED GROUND LEVEL

22. APPROX. DATE WORK WILL START*: FEBRUARY 23, 1968

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	250 SACKS
7-7/8"	4-1/2"	10.5	6600	1350 CU. FT.

WE PROPOSE TO DRILL A DAKOTA WELL; ANTICIPATED TOTAL DEPTH 6600 FT.

1. CASING PROGRAM: SURFACE - 8-5/8", 24.0#, J-55 SET AT 300 FT. CEMENTED W/250 SACKS.
PRODUCTION - 4-1/2", 10.50#, J-55 SET AT TOTAL DEPTH OF 6600 FT. R.K.B. 1ST STAGE CEMENTED W/600 CU.FT. CEMENT; STAGE COLLAR SET AT APPROXIMATELY 4750 FT. UNDER MESAVERDE AND CEMENTED W/900 CU. FT. CEMENT; STAGE COLLAR SET AT APPROXIMATELY 2300 FT. UNDER PICTURED CLIFFS AND CEMENTED W/1100 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 6500 FT. R[illegible]

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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 FEBRUARY 19, 1968

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY EG TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*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.

☆ U.S. GOVERNMENT PRINTING OFFICE : 1963—O-711-396

NEW MEXICO OIL CONSERVATION COMMISSION

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U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

Operator	Lease	Well No.
SOUTHERN UNION PRODUCTION COMPANY	HENSON	20

Unit Letter	Section	Township	Range	County
A	19	26 NORTH	8 WEST	SAN JUAN

Actual Footage Location of Well: 970 feet from the NORTH line and 990 feet from the EAST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
6243.0	DAKOTA	BASIN DAKOTA	S/2 320 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?

(X) Yes ( ) No If answer is "yes," type of consolidation Communitization Agreement

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.

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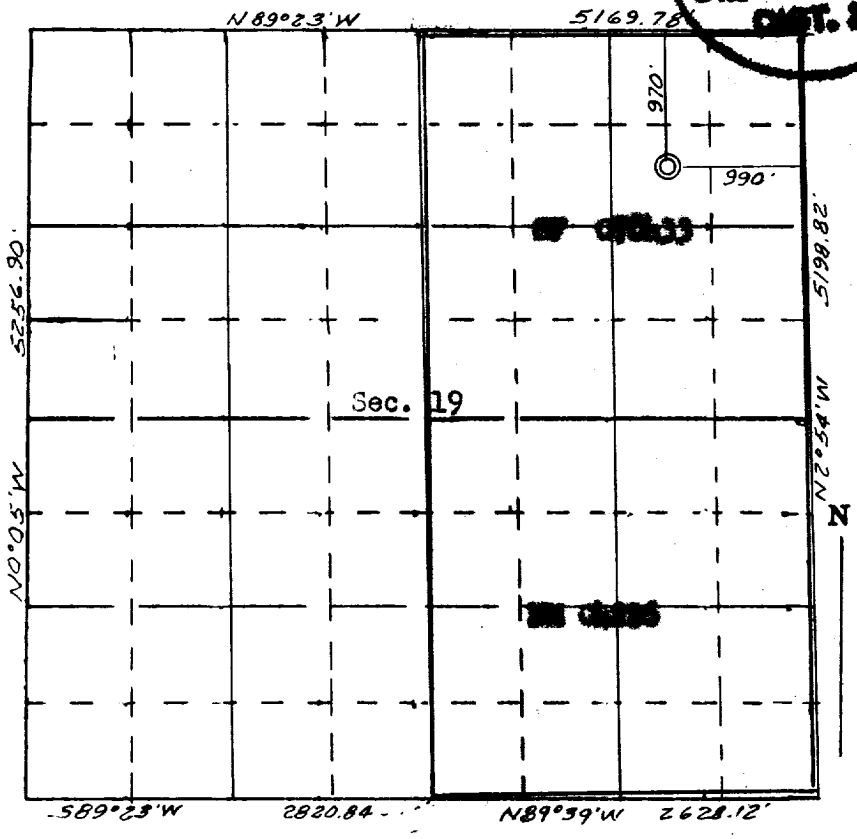

CERTIFICATION

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 February 19, 1968

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 12 December 1967

Registered Professional Engineer and/or Land Surveyor

JAMES P. LEESE

Certificate No. 1463