

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 ☐		5. LEASE DESIGNATION AND SERIAL NO. I-149-Indian 8468	
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo Indian	
2. NAME OF OPERATOR Southern Union Production Company		7. UNIT AGREEMENT NAME Navajo "B"	
3. ADDRESS OF OPERATOR P. O. Box 808 - Farmington, New Mexico		8. FARM OR LEASE NAME Navajo "B"	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 790 ft. from the South line and 1850 ft. from the West line. At proposed prod. zone Same as above.		9. WELL NO. 6	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 27 Miles South of Bloomfield, New Mexico		10. FIELD AND POOL, OR WILDCAT Basin Dakota	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any) 1850 feet		11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA Sec. 19, T-27N, R-8W, N.M.P.M.	
16. NO. OF ACRES IN LEASE 642.22		12. COUNTY OR PARISH San Juan	
17. NO. OF ACRES ASSIGNED TO THIS WELL 321.32		13. STATE New Mexico	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 495 ft.		19. PROPOSED DEPTH 6730 ft.	
20. ROTARY OR CABLE TOOLS Rotary tools		21. APPROX. DATE WORK WILL START* May 16, 1966	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6037 ft. Ungraded ground level			
23. PROPOSED CASING AND CEMENTING PROGRAM			

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15"	10-3/4"	32.75	300 ft.	250 ex.
7-7/8"	4-1/2"	10.50		1600 cu. ft. (2 1/2 cu. yd.)

We propose to drill a Dakota well. Anticipated total depth 6730 ft.

1. Casing Program:

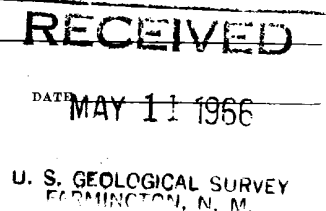
Surface: 10-3/4", 32.75#, H-40 set at 300 ft. Cemented to surface w/250 ex.
Production: 4-1/2", 10.50#, J-55 set at total depth of 6730 ft. 1st stage cemented w/approx. 400 cu. ft. cement. Stage collar set at approx. 4650 ft. under Mesaverde and cemented w/400 cu. ft. cement. Stage collar set at 2150 ft. under Pictured Cliffs and cemented to surface w/800 cu. ft. of cement.

2. Rotary tools will be used to mud drill hole from surface to total depth.
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. 6700 ft. A.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. Gilbert D. Noland, Jr.
SIGNED Gilbert D. Noland, Jr. TITLE Drilling Superintendent DATE May 9, 1966
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____
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.

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACERAGE DEDICATION PLAT**

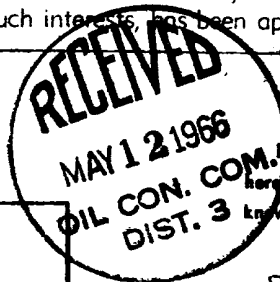
All distances must be from the outer boundaries of the Section

Operator SOUTHERN UNION PRODUCTION COMPANY			Lease NAVAJO "B"		Well No. 6
Unit Letter N	Section 19	Township 27 NORTH	Range 8 WEST	County SAN JUAN	
Actual Footage Location of Well: 790 feet from the SOUTH line and 1850 feet from the WEST line					
Ground Level Elev. 6037.0	Producing Formation Dakota	Pool Basin Dakota		Dedicated Acreage: 321.32	Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below. **321.44**
 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), **1882 GLO PLAT**
 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.

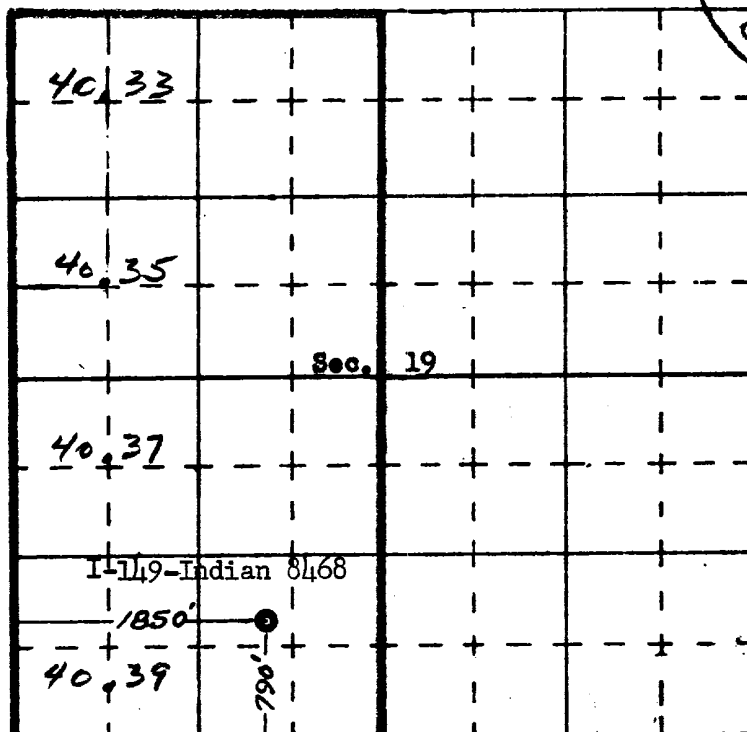


CERTIFICATION

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

Gilbert D. Noland, Jr.
Name
Gilbert D. Noland, Jr.
Position
Drilling Superintendent
Company
Southern Union Production Co.
Date
May 10, 1966

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.



SCALE—4 INCHES EQUALS 1 MILE

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.