

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. Contract #100	
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐			6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache Tribe of Indians	
2. NAME OF OPERATOR Southern Union Production Company			7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 808 - Farmington, New Mexico			8. FARM OR LEASE NAME Jicarilla	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1190 feet from the South line and 1850 feet from the West line. At proposed prod. zone Same as above.			9. WELL NO. 9-D	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 3-1/2 miles West of Ojito, New Mexico			10. FIELD AND POOL, OR WILDCAT Tapacito Pictured Cliffs	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any) 1190 ft.		16. NO. OF ACRES IN LEASE 2560		17. NO. OF ACRES ASSIGNED TO THIS WELL 160
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2485 ft.		19. PROPOSED DEPTH 3950 ft.		20. ROTARY OR CABLE TOOLS Rotary Tools
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7258 ft. Ungraded ground level			22. APPROX. DATE WORK WILL START* June 28, 1965	

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#	150 ft.	125 sacks
7-7/8"	5-1/2"	15.50#	3950 ft.	200 sacks

We propose to drill a Pictured Cliffs well. Anticipated total depth 3950 feet.

1. Casing Program:

Surface: 8-5/8", 24.0#, J-55 set at 150 ft. Cemented to surface w/125 sacks.
Production: 5-1/2", 15.50#, J-55 set at total depth of 3950 ft. Cemented w/200 sacks cement.
Tubing: 1-1/2", E.U.E., 2.90#, JCW tubing will be set at approx 3875 ft. H.K.B.

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

3. Pictured Cliffs will be perforated and sand fraced to stimulate production.

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. Moland, Jr.
SIGNED Gilbert D. Moland, Jr. TITLE Drilling Superintendent DATE June 9, 1965

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE _____ DATE 1 - 1965
CONDITIONS OF APPROVAL, IF ANY: _____

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

*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 Acreage Dedication Plat

Section A.

Date June 9, 1965

Operator SOUTHERN UNION PRODUCTION COMPANY Lease JICARILLA D
 Well No. 9 Unit Letter N Section 31 Township 26 NORTH Range 3 WEST NMPM
 Located 1190 Feet From THE SOUTH Line, 1850 Feet From THE WEST Line
 County RIO ARriba G. L. Elevation 7426 Dedicated Acreage 160 Acres
 Name of Producing Formation Pictured Cliffs Pool Tapachto

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below?

Yes No 2. If the answer to question one is "no", have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes X No . If answer is "yes", Type of Consolidation.

3. If the answer to question two is "no", list all the owners and their respective interests below:

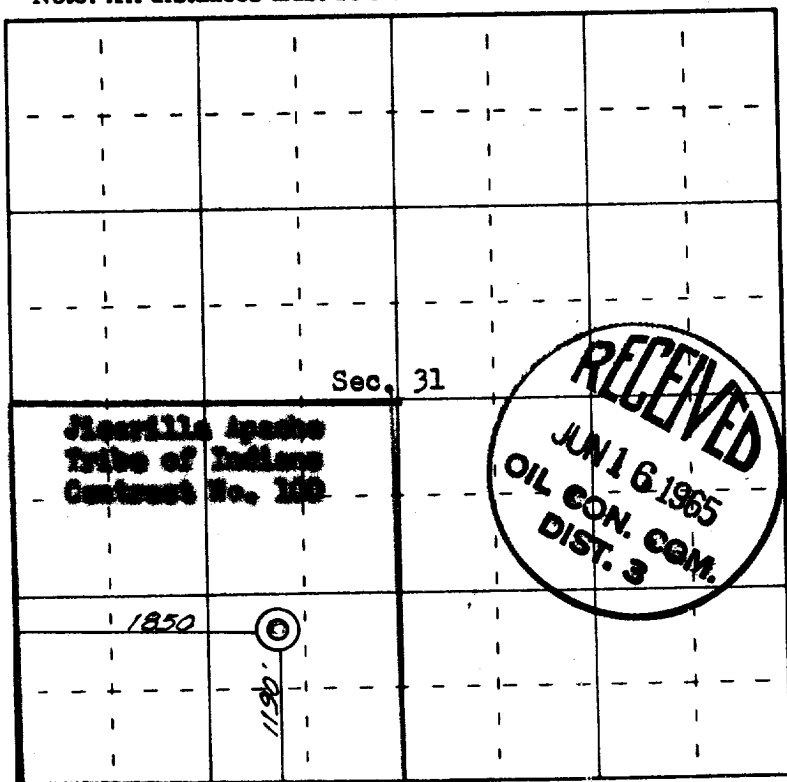
OwnerLand Description

Section B.

This is to certify that the information
 in Section A above is true and complete
 to the best of my knowledge and belief.

Southern Union Production Co.OperatorGilbert D. Holland Jr.(Representative)Gilbert D. Holland, Jr.(Address)P. O. Box 606Farmington, New Mexico

Note: All distances must be from outer boundaries of section.



Scale 4 inches equal 1 mile

This is to certify that the above plat was prepared from field notes of actual surveys
 made by me or under my supervision and that the same are true and correct to the best
 of my knowledge and belief.

Date Surveyed June 2, 1965

James P. Leese
 Registered Professional Engineer and/or Land Surveyor
 James P. Leese, N. Mex. Reg. No. 1463
 San Juan Engineering Company

Farmington, New Mexico