

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.

CONTRACT NO. 100

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
JICARILLA APACHE TRIBE7. UNIT AGREEMENT NAME
OF INDIANS

8. FARM OR LEASE NAME

JICARILLA

9. WELL NO.

8-D

10. FIELD AND POOL, OR WILDCAT

TAPAGITO PICTURED CLIFFS

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA
SECTION 32, T-26-N, R-3-W,
N.M.P.M.

12. COUNTY OR PARISH

13. STATE

RIO ARriba

NEW MEXICO

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

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

At surface

1190 FEET FROM SOUTH LINE AND 1020 FEET FROM WEST LINE

At proposed prod. zone

SAME AS ABOVE

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

4 MILES WEST OF OJITO, NEW MEXICO

15. DISTANCE FROM PROPOSED*

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

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.

19. PROPOSED DEPTH

3975 FEET

20. ROTARY OR CABLE TOOLS

ROTARY TOOLS

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

7317 FT. UNGRADED GROUND LEVEL

22. APPROX. DATE WORK WILL START*

AUGUST 27, 1964

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#	200 FT.	150 BAGGS
7-7/8"	4-1/2"	9.50#	3975 FT.	150 BAGGS

WE PROPOSE TO DRILL A PICTURED CLIFFS WELL - ANTICIPATED TOTAL DEPTH 3975 FEET.

1. CASING PROGRAM:

SURFACE: 8-5/8", 24.0#, J-55 SET AT 200 FT. CEMENTED TO SURFACE w/ 150 BAGGS

PRODUCTION: 4-1/2", 9.50#, J-55 SET AT 3975 FEET AND CEMENT w/ 150 BAGGS.

TUBING: 1-1/2" E.U.E., 2.90#, JCN SET AT APPROXIMATELY 3900 FEET.

2. ROTARY TOOLS WILL BE USED FROM SURFACE TO TOTAL DEPTH 3975.

3. WELL WILL BE PERFORATED AND SAND FRACED TO STIMULATE PRODUCTION.

RECEIVED

AUG 14 1964

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

AUGUST 13, 1964

(This space for Federal or State office use)

PERMIT NO.

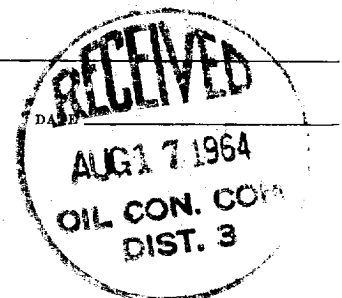
APPROVAL DATE

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.

Well Location and Acreage Dedication Plat

Section A

August 13, 1964

Operator **SOUTHERN UNION PRODUCTION COMPANY**
 Well No. **6-D** Unit Letter **E** Section **32** Township **JICARILLA 26 NORTH** Range **3 WEST** NMPM
 Located **1190** Feet From the **SOUTH** Line **1020** Feet From the **WEST** Line
 County **RIO ARriba** G. L. Elevation **7317'** Dedicated Acreage **160** Acres
 Name of Producing Formation **PICTURED CLIFFS** Pool **YAPACITO PICTURED CLIFFS**

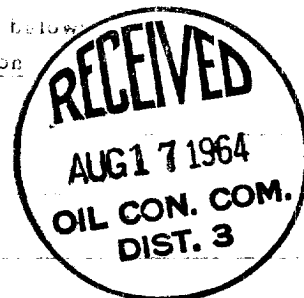
1. Is the Operator the only owner in the dedicated acreage outlined on the plat below?

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 ☒ No ☐ If answer is "yes", Type of Consolidation**COMMUNITIZATION**

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

Owner

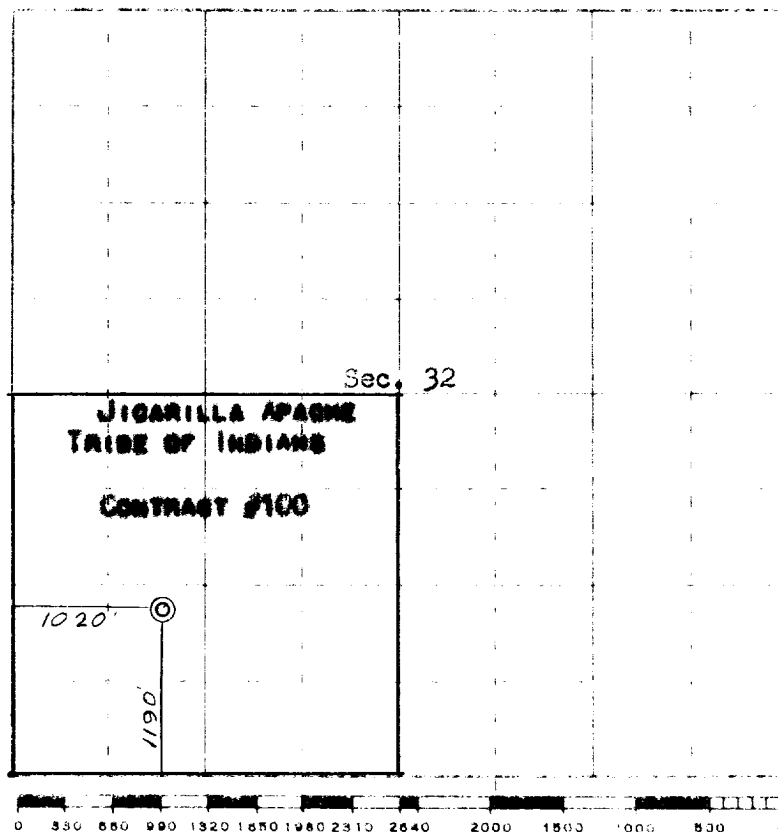
Land Description



Section B.

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

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.**GILBERT D. NOLAND, JR.****DRILLING SUPERINTENDENT****P. O. BOX 808****FARMINGTON, NEW MEXICO**

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 August 11, 1964

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

