

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 808, FARMINGTON, NEW MEXICO

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 1640 FT. FROM THE NORTH LINE AND 1620 FT. FROM THE EAST LINE.
At proposed prod. zone SAME AS ABOVE.

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
5 MILES NORTH OF QUITO, NEW MEXICO

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, IF (Also to nearest drlg. unit line, if any)
1640 Ft.

16. NO. OF ACRES IN LEASE
2560

17. NO. OF ACRES ASSIGNED TO THIS WELL
160 ACRES

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
1990 Ft.

19. PROPOSED DEPTH
3890 Ft.

20. ROTARY OR CABLE TOOLS
ROTARY

21. ELEVATIONS (Show whether of F, RT, GR, etc.)
7092 Ft. UNCHANGED GROUND LEVEL.

22. APPROX. DATE WORK WILL START*
JUNE 30, 1973

30-039-20626

5. LEASE DESIGNATION AND SERIAL NO.
CONTRACT #100

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
JICARILLA APACHE

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
JICARILLA D

9. WELL NO.
12

10. FIELD AND POOL, OR WILDCAT
TAPASITO PICTURED CLIFFS

11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA
SEC. 29, T-28N, R-3E
H.L.P.#1

12. COUNTY OR PARISH
RIO ARriba

13. STATE
New Mexico

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	24.00	150 Ft.	125 BAGS
7-7/8	4-1/2	9.90	3890 Ft.	

WE PROPOSE TO DRILL A WELL TO BE COMPLETED IN THE PICTURED CLIFFS FORMATION. ANTICIPATED TOTAL DEPTH 3890 FT. R.K.B.

1. CASING PROGRAM:
SURFACE: 8-5/8", 24.00, K-55 SET AT 150 FT. CEMENTED TO SURFACE W/125 BAGS.
PRODUCTION: 4-1/2", 9.90, K-55 SET AT T.D. 3890 FT. 1ST STAGE CEMENTED WITH APPROX. 600 CU. FT. OF CEMENT. STAGE COLLAR SET AT APPROX. 2000 FT. AND CEMENTED WITH APPROX. 600 CU. FT.

2. WELL WILL BE HAND DRILLED FROM SURFACE TO TOTAL DEPTH.

3. PICTURED CLIFFS WILL BE HAND FRACED TO STIMULATE PRODUCTION.

4. 1-1/2", E.U.E., 2.90, JOH-55 TUBING WILL BE SET AT APPROX. 3750 FT. R.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. Original signed by
GILBERT D. NOLAND, JR.
SIGNED GILBERT D. NOLAND, JR. TITLE DRILLING SUPERINTENDENT DATE MAY 8, 1973
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY: _____

RECEIVED
MAY 14 1973

*See Instructions On Reverse Side

SK

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.

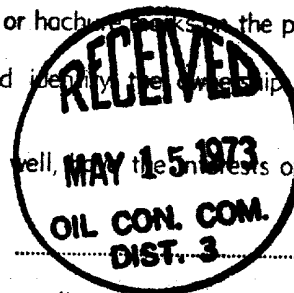
NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACERAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

Operator SOUTHERN UNION PRODUCTION CO.		Lease JICARILLA		Well No. 12	
Unit Letter F	Section 29	Township 26 NORTH	Range 3 WEST	County RIO ARriba	
Actual Footage Location of Well: 1640 feet from the NORTH line and 1620 feet from the WEST line					
Ground Level Elev. 7092.0	Producing Formation PICTURED CLIFFS	Pool TAPACITO PICTURED CLIFFS	Dedicated Average: 160		Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatch marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, identify 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.

Original signed by

GILBERT D. NOLAND, JR.

Name

GILBERT D. NOLAND, JR.

Position

DRILLING SUPERINTENDENT

Company

SOUTHERN UNION PRODUCTION

Date

MAY 8, 1973

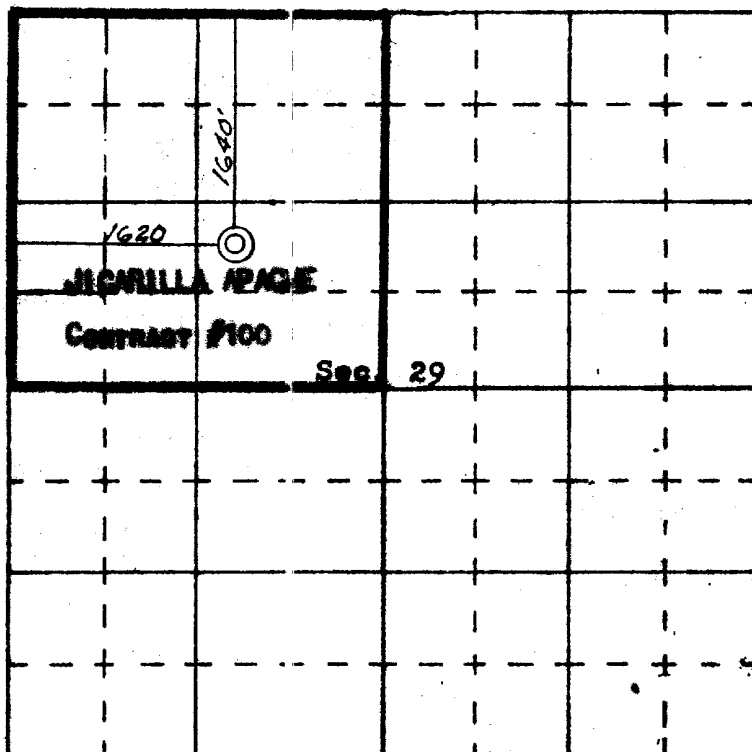
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Survey

REGISTERED PROFESSIONAL ENGINEER AND/OR LAND SURVEYOR 1463

JAMES P. ALFRESCO

1463
Certificate No.



SCALE—4 INCHES EQUAL 1 MILE

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.