

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 87401

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

At surface

875 FT. FROM THE NORTH LINE & 1090 FT. FROM THE WEST LINE

At proposed prod. zone SAME AS ABOVE

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

30 MILES NORTHWEST OF QUITO, NEW MEXICO

15. DISTANCE FROM PROPOSED*

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

1090 FT.

16. NO. OF ACRES IN LEASE

2560

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

3415 FT.

19. PROPOSED DEPTH

7510

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320 - DAKOTA; 160 PICTURED CLIFFS

20. ROTARY OR CABLE TOOLS

ROTARY

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

6628 FT. UNGRADED GROUND LEVEL

22. APPROX. DATE WORK WILL START*

6/26/68

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-3/8	10-3/4"	32.75#	300 FT.	250 SACKS
9-7/8"	7-5/8"	26.40#	3270 FT.	200 SACKS
6-3/4"	4-1/2"	10.50#	3150-7510 FT.	750 CU.FT. (LINER)

WE PROPOSE TO DRILL A WELL TO BE DUALY COMPLETED IN THE DAKOTA & PICTURED CLIFFS FORMATIONS.
ANTICIPATED TOTAL DEPTH 7510 FT.

- CASING PROGRAM: SURFACE: 10-3/4", 32.75#, H-40 SET AT 300 FT. CEMENTED W/250 SACKS.
INTERMEDIATE: 7-5/8", 26.40#, J-55 SET AT 3270 FT. CEMENTED W/200 SACKS.
LINER: 4-1/2", 10.50#, J-55 SET FROM 3150 FT. TO T.P. OF 7510 FT. AND
CEMENTED W/APPROX. 750 CU. FT. OF CEMENT.
- WELL WILL BE MUD DRILLED FROM SURFACE TO 3270 FT. AND GAS DRILLED FROM 3270 FT. TO T.P.
- DAKOTA AND PICTURED CLIFFS FORMATIONS WILL BE SAND FRACED TO STIMULATE PRODUCTION.
- BAKER MODEL "B" 4 1/2" PRODUCTION PACKER WILL BE SET AT APPROXIMATELY 7100 FT. R.K.B.
- 1 1/2" EUE, 2.90#, JCM TUBING WILL BE RUN TO DAKOTA AND LANDED AT APPROX. 7350 FT. R.K.B.
- 1 1/2" INTEGRAL JOINT, 2.75#, JCM TUBING WILL BE RUN TO PICTURED CLIFFS AND LANDED AT
APPROXIMATELY 3050 FT.

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 JUNE 19, 1968

(This space for Federal or State use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY



RECEIVED

JUN 27 1968

*See Instructions On Reverse Side

U. S. GEOLOGICAL SURVEY

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.

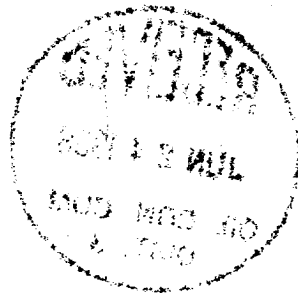
Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

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** Locality **JICARILLA** Well No. **J 12**
 Unit Letter **D** Section **35** Township **26 NORTH** Range **5 WEST** County **RIO ARriba**
 Approx. Footage Location of Well. **875** feet from the **NORTH** line **1090** feet from the **WEST** line
 Ground Level Elevation **6628.0** Producing Formation **PICTURED CLIFFS DAKOTA** Oil and Gas Acreage **160 320** Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure 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, have the interests of all owners been consolidated by communitization, unitization, forced pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation is

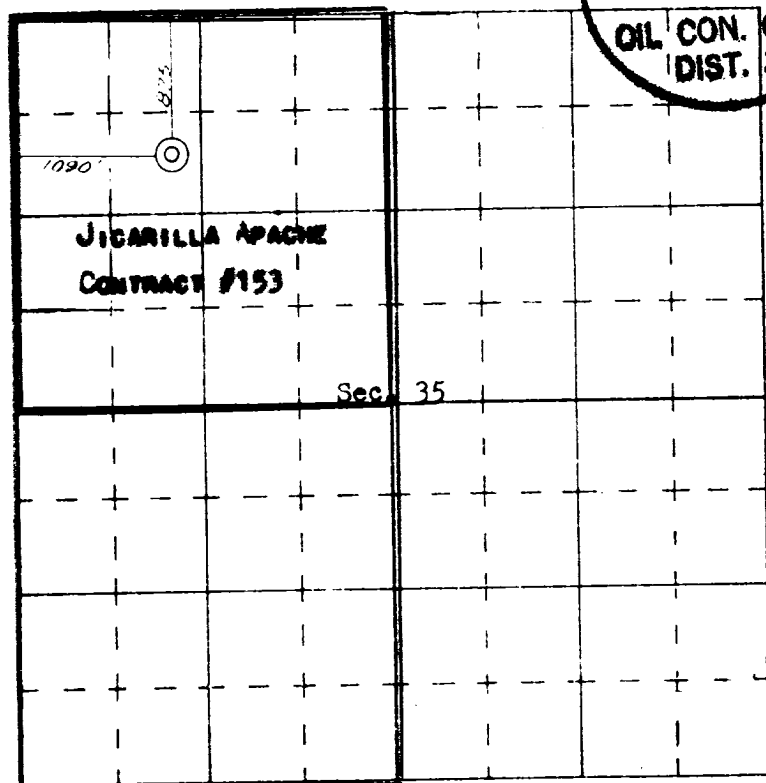
OPERATING AGREEMENT

If answer is "no," list the owners and their 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-stacking unit, eliminating such interest, has been approved by the Commission.

DEDICATED DAKOTA ACREAGE

DEDICATED PICTURED CLIFFS ACREAGE



SCALE—4 INCHES EQUALS 1 MILE

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

RECEIVED

JUN 2 1968

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

CERTIFICATION

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

Original signed by
Name **GILBERT D. NOLAND, JR.**
GILBERT D. NOLAND, JR.

Position **DRILLING SUPERINTENDENT**

Company **SOUTHERN UNION PRODUCTION COMPANY**

Date **JUNE 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.

13 June, 1968

James P. Leese
Professional Engineer
Land Surveyor

JAMES P. LEESE

1463

Certificate No.

