

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
ZONES ☐

2. NAME OF OPERATOR

SOUTHERN UNION PRODUCTION COMPANY

3. ADDRESS OF OPERATOR

P. O. BOX 875, FARMINGTON, NEW MEXICO 87401

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

At surface

110 FT. FROM THE LEASE LINE AND 1100 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 CLIFTS, NEW MEXICO

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

1100 FT.

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

2,500 FT.

16. NO. OF ACRES IN LEASE

2.500

19. PROPOSED DEPTH

6150 FT.

17. NO. OF ACRES ASSIGNED
TO THIS WELL

2.500

20. ROYALTY OR CABLE TOOLS

NONE

22. APPROX. DATE WORK WILL START*

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
1-3/4	4-1/2	32.30	250 FT.	225 BAGS
2-1/2	6-1/2	23.00	4050 FT.	700 CU. FT.
6-3/4	10-1/2	10.50	3000-6150 FT. (LINER) & C. CU. FT.	

WE PROPOSE TO DRILL A WELL TO BE FULLY COMPLETED IN THE PICTURED CLIFTS AND BEAVERHEAD FORMATIONS. ANTICIPATED TOTAL DEPTH 6150 FT. R.K.S.

1. CASING PROGRAM

SURFACE: 4-1/2, 32.30, K-55 SET AT 250 FT. CEMENTED TO SURFACE W/225 BAGS.

INTERMEDIATE: 7, 23.00, K-55 SET AT 4050 FT. 1ST STAGE CEMENTED W/500 CU. FT. CEMENT. 2ND STAGE CEMENTED W/500 CU. FT.

LINER: 10-1/2, 10.50, K-55 SET FROM 3000 - 6150 FT. CEMENTED W/400 CU. FT. OF CEMENT.

2. WELL WILL BE MUD DRILLED FROM SURFACE TO 4050 FT. AND GAS DRILLED FROM 4050 FT. TO T.D.

3. PICTURED CLIFTS AND BEAVERHEAD WILL BE SAND FRACED TO STIMULATE PRODUCTION.

4. SAKER 4-1/2 HOLES 2" PRODUCTION PACKER WILL BE SET AT APPROX. 5000 FT. R.K.S.

5. 1-1/2, L.U.S., 2.900 7-55 TUBING WILL BE RUN TO BEAVERHEAD AND LAID AT APPROX. 6050' T.D.

6. 1-1/2, 2.750, V-55 INTEGRAL Jt. TUBING WILL BE RUN TO PICTURED CLIFTS AND LAID AT APPROX. 3000 FT. R.K.S.

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

TITLE

Drilling Superintendent

DATE

SEPTEMBER 27, 1972

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

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.

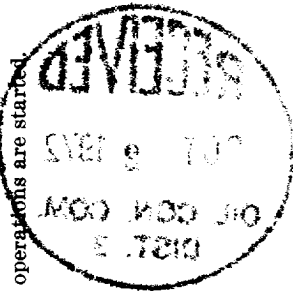
Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

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.

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

All distances must be from the outer boundaries of the Section

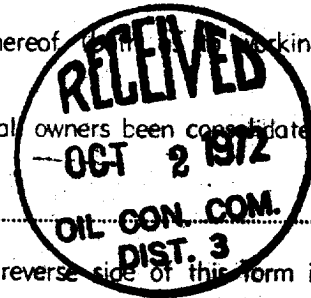
Operator SOUTHERN UNION PRODUCTION COMPANY			Lease JICMILLA		Well No. 11-D
Unit Letter A	Section 29	Township 26 NORTH	Range 3 WEST	County RIO ARriba	
Actual Footage Location of Well: 1190 feet from the NORTH line and 1190 feet from the EAST line					
Ground Level Elev. 7145.0	Producing Formation Pictured Cliffs	Pool Jicmilla Apache Contract #100	Dedicated Acreage: 2.4 1.0 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (including interest and royalty).
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?

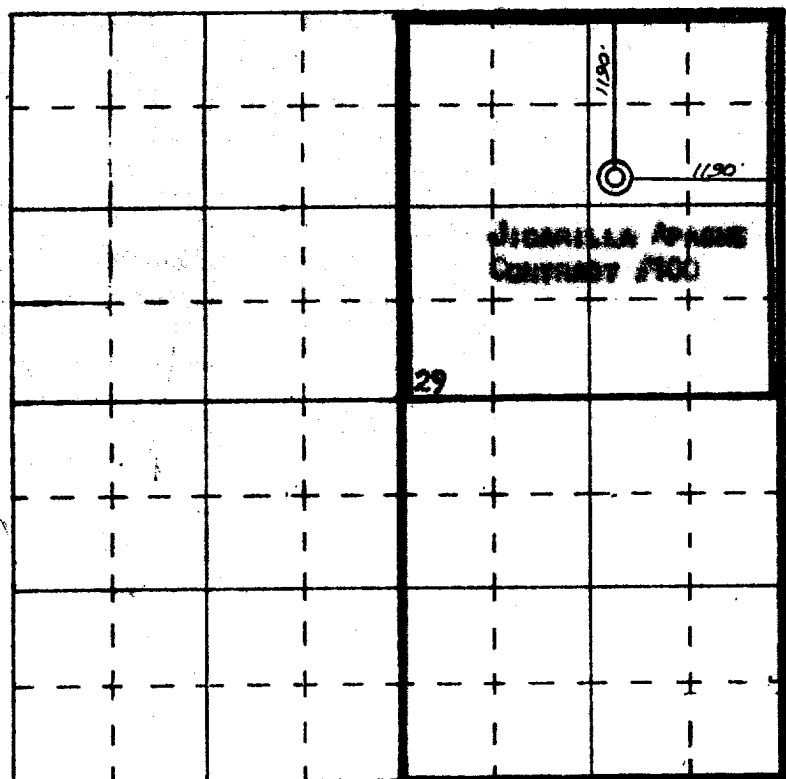
() Yes () No If answer is "yes," type of consolidation

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.



DEDICATED AVERAGE ACREAGE
DEDICATED PICTURED CLIFFS ACREAGE



N

SCALE—4 INCHES EQUALS 1 MILE

SAN JUAN ENGINEERING COMPANY, 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
GILBERT D. NOLAND, JR.

Name
GILBERT D. NOLAND, JR.
Position

Drilling Superintendent
Company

SOUTHERN UNION PRODUCTION Co.
Date

September 27, 1972

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 Signed **26 Sept. 1972**

Registered Professional Engineer
and/or Land Surveyor **James P. Leese**

Certificate No. _____

