

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 930, FARMINGTON, NEW MEXICO 87401

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

At surface

1850 FT. FROM THE NORTH LINE - 1000 FT. FROM THE WEST LINE.
At proposed prod. zone SAME AS ABOVE

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

1/2 (6) MILES EAST OF CLODFIELD, NEW MEXICO.

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drilg. unit line, if any) 1850 FT.

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

2050 FT.

16. NO. OF ACRES IN LEASE

100

19. PROPOSED DEPTH

2050 FT.

17. NO. OF ACRES ASSIGNED
TO THIS WELL

100

20. ROTARY OR CABLE TOOLS

STAINY TOOLS

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

5636 FT. UNGRADED GROUND LEVEL

22. APPROX. DATE WORK WILL START*

JUNE 14, 1971

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
4-5/8	4-5/8	26.40	150 FT.	75 SACKS
3-1/2	3-1/2	7.75	2050 FT.	700 CU. FT.

WE PROPOSE TO DRILL A WELL TO BE COMPLETED IN THE PICTURED CLIFFS FORMATION.
ANTICIPATED TOTAL DEPTH 2050 FT.

1. Casing Program:

SURFACE: 4-5/8, 26.40, J-55 SET AT 150 FT. CEMENTED TO SURFACE 4/75
SEVEN HUNDRED AND FIFTY SACKS CEMENT.PRODUCTION: 3-1/2, 7.75, J-55 SET AT TOTAL DEPTH 2050 FT. CEMENTED WITH
700 CU. FT. CEMENT.

2. NEW WELL TO BE DRILL DRILLED FROM SURFACE TO TOTAL DEPTH.

3. PICTURED CLIFFS ZONE WILL BE PERFORATED AND FRACED TO STIMULATE PRODUCTION.

4. 1-1/2, 2.76, Y-40-55 INTEGRAL JOINT TUBING WILL BE SET AT APPROX. 1950 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

SIGNED GILBERT D. NOLAND, JR.

TITLE

DRILLING SUPERINTENDENT

DATE

JUNE 10, 1971

(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

JUN 14 1971

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

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

Form 7-12
Supersedes C-128
Effective 1-1-65

All distances must be from the corner monument to the well.

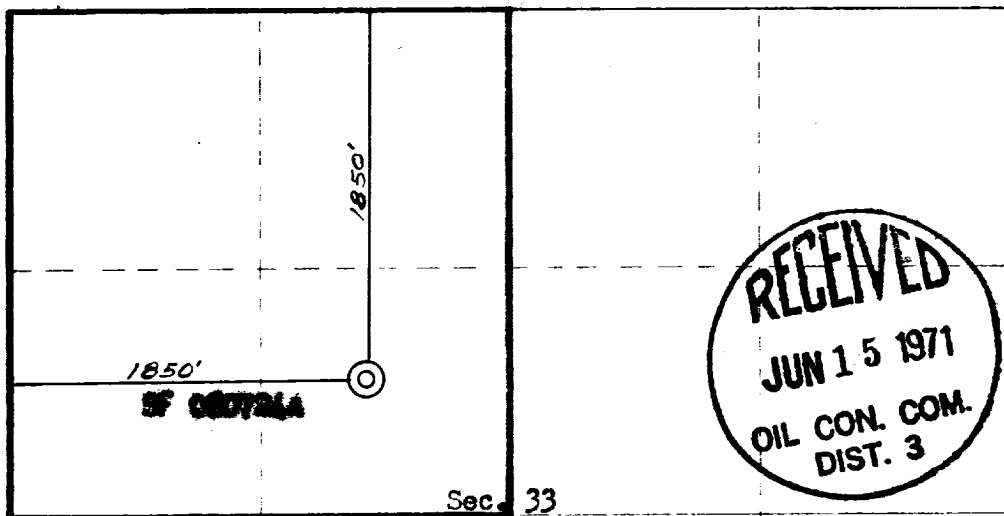
OWNER SOUTH RN UNION PRODUCTION COMPANY		LEASE EXHIBIT 20000		WELL NO. 12	
TRACT F	SECTION 33	RANGE 29 NORTH	TOWNSHIP 10 WEST	COUNTY SAN JUAN	
DISTANCE FROM CORNER TO WELL 1850		DISTANCE FROM CORNER TO WELL 1850		DISTANCE FROM CORNER TO WELL 1850	
WELL NAME 5686.0		WELL NAME PICTURED CLIFFS		WELL NAME AZTEC PICTURED CLIFFS	
WELL NAME NE 1/4		WELL NAME 100			

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 (both as to working 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 been 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

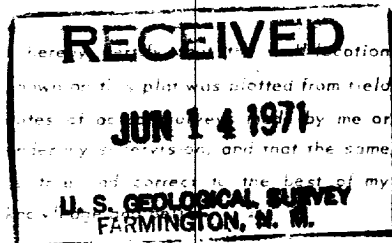
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Gilbert D. Nelson, Jr.
Gilbert D. Nelson, Jr.

Drilling Superintendent

Southern Union Production

June 10, 1971



10 June 1971

