

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 ☒ WILDCAT/
SINGULAR ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
SOUTHERN UNION GAS 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
1270 Ft. FROM THE NORTH LINE & 1745 Ft. FROM THE WEST LINE.
At proposed prod. zone SAME AS ABOVE.

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
5 MILES WEST OF SAN YOSIERO, NEW MEXICO

15. DISTANCE FROM PROPOSED LEASE LINE - 90 Ft.
LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drilg. unit line, if any) UNIT LINE - 50'

16. NO. OF ACRES IN LEASE
2560

17. NO. OF ACRES ASSIGNED TO THIS WELL
40 ACRES 15/4, 15/4

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
None

19. PROPOSED DEPTH
2420 Ft.

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5703 Ft. UNGRADED GROUND LEVEL

22. APPROX. DATE WORK WILL START*
May 1, 1973

5. LEASE DESIGNATION AND SERIAL NO.
14239

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
San Yosiario

9. WELL NO.
3

10. FIELD AND POOL, OR WILDCAT
WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 29, T-15N, R-1E, N.M.P.M.

12. COUNTY OR PARISH
Sandoval

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	400 Ft.	300 SACKS
7-7/8"	5-1/2"	15.50	2420 Ft.	900 CU. FT.

1. WE PROPOSE TO MUD DRILL A 7-7/8 HOLE TO A DEPTH OF APPROX. 2420 FT.
2. RUN 5-1/2", 15.500, K-55 CASING TO TOTAL DEPTH. 1ST STAGE CEMENTED w/APPROX. 500 CU. FT. OF CEMENT. STAGE COLLAR WILL BE SET AT APPROX. 1100 FT. AND CEMENTED w/400 CU. FT. OF CEMENT.
3. THE AGUA ZARCA FORMATION WILL BE PERFORATED AND EVALUATED FOR POSSIBLE GAS STORAGE.

STRATIGRAPHIC TEST FOR GEOLOGIC INFORMATION ONLY.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed 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 MARCH 19, 1973
GILBERT D. NOLAND, JR.

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Instructions

General: This form is designed for submission of 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 west boundary to the nearest

Quantity: **GAS**
 SOUTH RIVER **15 NORTH**
 Unit Letter: **C**
 Actual Footage of Well: **1270**
 Ground Level Elev: **5783.0**
 Direction: **Wildcat**
 None
 NE $\frac{1}{4}$ NW $\frac{1}{4}$ **40** Acres

1. Outline the acreage dedicated to the well with the following: (a) Section, (b) Township, (c) Range, (d) County, (e) State.
2. If more than one lease is required to the well, state the number of leases and the acreage of each lease (to working interest and royalty).
3. If more than one lease is required to the well, state the number of leases and the acreage of each lease (to working interest and royalty).

4. Yes ☐ No ☐ (If Yes, state the number of leases and the acreage of each lease.)

If answer to question 4 is "Yes," state the number of leases and the acreage of each lease. (Use reverse side of this form if necessary.)

No allowable well is assigned to the well until a tentative determination is made by the Commission, organization, forced-pooling, or otherwise, and the assignment of 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
B. F. VANDERSLICE

B. R. Vanderslice

Area Superintendent

Southern Union Production

December 10, 1971

I hereby certify that the well location shown on this plat was plotted from field notes at 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.

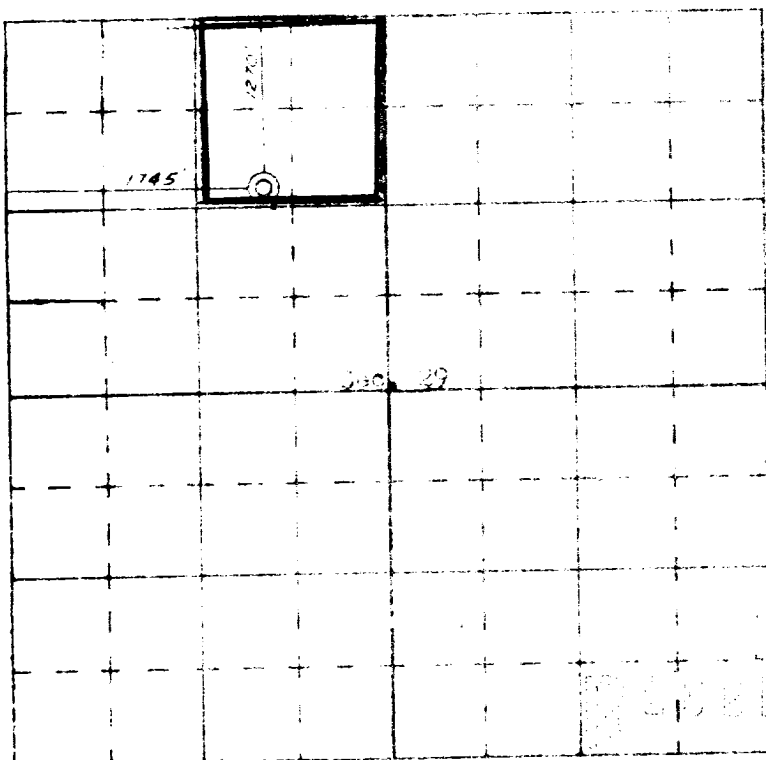
December 10, 1971

[Signature]
Professional Engineer
For 15th year

JOHN P. LEE

1145

Certificate No.



SCALE—4 INCHES EQUALS 1 MILE

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

[Signature]