

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-043-20162

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 Gas Storage

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Southern Union Gas Company

3. ADDRESS OF OPERATOR

1402 Fidelity Union Tower Dallas, Texas 75201

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

At surface
654 Feet FSL and 300 Feet FEL
At proposed prod. zone Sec 19, T15N, R1E N.M.P.M.

Same as above

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

5 Miles West of San Ysidro New Mexico

15. DISTANCE FROM PROPOSED*

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

300 Ft.

16. NO. OF ACRES IN LEASE

1680

17. NO. OF ACRES ASSIGNED

TO THIS WELL

Not applicable

18. DISTANCE FROM PROPOSED LOCATION*

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

Approx 1300 Ft

19. PROPOSED DEPTH

2600 Ft.

20. ROTARY OR CABLE TOOLS

Rotary

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

5806 Ungraded

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
12 1/4"	8 5/8"	24.0#	450 ft	275 sks
7 7/8"	5 1/2"	15.5#	2600 ft	750 sks

1. We propose to drill a 7 7/8" hole to a total depth of approximately 2600 Ft.
2. Run 5 1/2", 15.5# K-55 casing to total depth with stage collar set at approximately 1250 Ft.
3. Cement first stage with approximately 400 sks and 2nd stage with approximately 350 sks.
4. The Aqua Zarca sand member of the Chinle Formation will be perforated and evaluated for possible gas storage.

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.

SIGNED

H. J. BOYD

TITLE

Project Engineer

DATE

3-20-75

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

MAR 24 1975

CONDITIONS OF APPROVAL, IF ANY:

U. S. GEOLOGICAL SURVEY
FEDERAL BUREAU OF

James P. Leese

Certificate No.

1463