

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-043-20160

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 1300 Feet from South line & 550 Feet from West line  
Sec 17, T15N, R1E N.M.P.M.

At proposed prod. zone

Same as above

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

Five 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)

20 Feet

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

Approx. 2150 Ft

16. NO. OF ACRES IN LEASE

1680

19. PROPOSED DEPTH

2475

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

Not Applicable

20. ROTARY OR CABLE TOOLS

Rotary

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

5669 Ungraded Elev

22. APPROX. DATE WORK WILL START\*

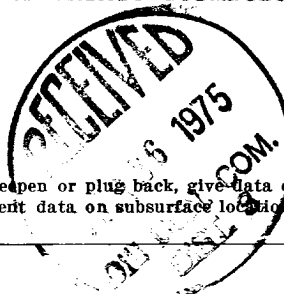
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23.

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#	425 ft.	350 sks
7 7/8"	5 1/2"	15.5#	2475 ft.	725 sks

1. We propose to drill a 7 7/8" hole to a total depth of approx. 2475 ft.
2. Run 5 1/2", 15.5# K-55 casing to total depth with a stage collar set at approx. 1200 ft.
3. Cement first stage with approx. 375 cu. ft. and 2nd stage with approx. 350 cu. ft.
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. D. Boyd

TITLE

Project Engineer

DATE

3-12-75

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

3-12-75

CONDITIONS OF APPROVAL, IF ANY:

U. S. GEOLOGICAL SURVEY  
WASHINGTON, D. C.