

(Other instructions on  
reverse side)

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 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

1908 Ft. FNL &amp; 618 Ft. FEL

At proposed Sec 19, T15N, R1E N.M.P.M.

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)

588 ft.

16. NO. OF ACRES IN LEASE

1680

18. DISTANCE FROM PROPOSED LOCATION\*

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

Approx. 2350 ft.

19. PROPOSED DEPTH

2750

20. ROTARY OR CABLE TOOLS

Rotary

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

5930' Ungraded

22. APPROX. DATE WORK WILL START\*

4/15/75

23.

## PROPOSED CASING AND CEMENTING PROGRAM

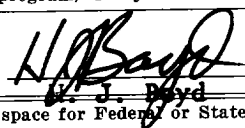
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24.0#	550 ft.	300 cu. ft.
7 7/8"	5 1/2"	15.5#	2750 ft.	775 cu. ft.

1. We propose to drill a 7 7/8" hole to a total depth of approximately 2750 feet.
2. Run 5 1/2", 15#, K-55 casing to total depth with stage collar set at approximately 1250 feet.
3. Cement first stage with approximately 400 sks and 2nd stage with approximately 375 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



TITLE

Project Engineer

DATE

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

30-043-20/61

RECEIVED  
MAR 26 1975  
OIL CON. COM.  
DIST. 3

RECEIVED

MAR 24 1975

U. S. GEOLOGICAL SURVEY

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

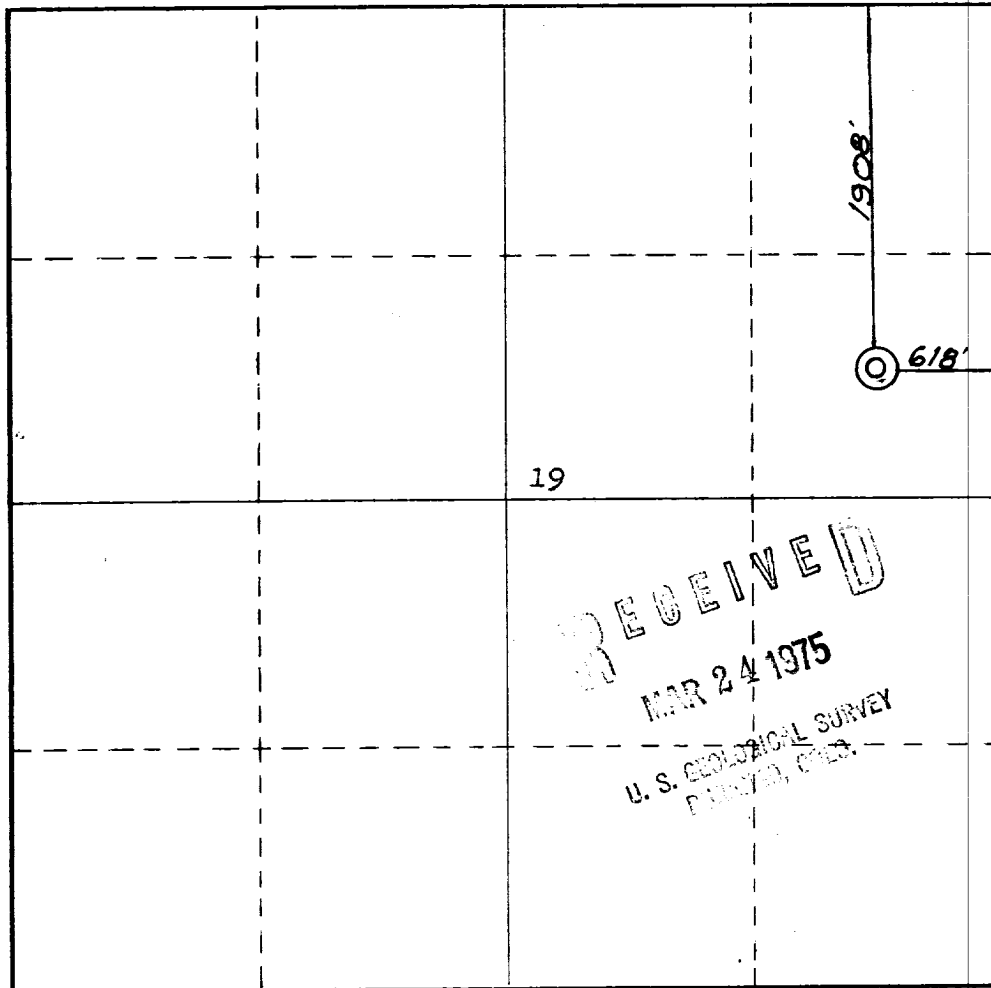
Operator <b>SOUTHERN UNION GAS COMPANY</b>		Lease		Well No. <b>CLUFF #115</b>	
Unit Letter <b>H</b>	Section <b>19</b>	Township <b>15 NORTH</b>	Range <b>1 EAST</b>	County <b>SANDOVAL</b>	
Actual Footage Location of Well: <b>1908</b> feet from the <b>NORTH</b> line and <b>618</b> feet from the <b>EAST</b> line					
Ground Level Elev. <b>5930</b>	Producing Formation		Pool	Dedicated Acreage:  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 (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.

Name  
**H. J. Boyd**  
Position  
**Project Engineer**  
Company  
**Southern Union Gas Co**  
Date  
**3-20-75**

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  
**March 1975**  
Registered Professional Engineer and Land Surveyor  
**James P. Leese**  
Certificate No.  
**1463**

