

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

AUG 8 1977

ZONE ☐MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

Southern Union Supply Co.

O. C. C.

ARTESIA, OFFICE

3. ADDRESS OF OPERATOR

Suite 1800 First International Bldg., Dallas, Texas 75270

4. LOCATION OF WELL (Report location clearly and in accordance with instructions.)

At surface 880  
980' FSL & 1880' FWL

At proposed prod. zone

Same

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

7 miles Southwest of Lake Wood, N.M.

U.S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any) 990

1120

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT. 5700

19. PROPOSED DEPTH

10,500

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320

20. ROTARY OR CABLE TOOLS

Rotary

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

3695 GL

22. APPROX. DATE WORK WILL START\*

August 1, 1977

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT	
17"	13-3/8"	48	350	400 sx	circulate
11"	8-5/8"	24	2450	930 sx	Circulate
7-7/8"	4-1/2"	11.6	10500	550 sx	

Southern Union Supply Co. plans to drill this well to the Morrow and Test. A BOP stack w/ Blind and Pipe Rams and a Hydril will be installed on the 13-3/8" casing and tested to 1000 psi before drilling out. The BOP stack will be tested to 1500 psi before drilling out of the 8-5/8" casing. The BOP stack will be retested and a PVT, Flowline Sensor, pump stroke counter, de-gasser, and adjustable choke will be in operation before drilling below 6800'. The acreage is dedicated to the Gas Company of N.M.

The above location is non-standard due to terrain. Application for administrative approval has been made to the New Mexico Oil Conservation Commission. An on-site inspection was made on June 28, 1977 by the USGS and BLM.

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

*B. B. Pauls*

TITLE

Consulting Engineer for  
Southern Union Supply

DATE July 6, 1977

(This space for Federal or State office use)

APPROVAL DATE

TITLE

THIS APPROVAL IS RESCINDED IF OPERATIONS  
ARE NOT COMMENCED WITHIN 3 MONTHS.  
EXPIRES SEP 15 1977  
\*See Instructions On Reverse Side

DECLARED WATER BASIN

CEMENT BEHIND THE  
DATE 8/16/77  
CASING MUST BE CIRCULATEDNOTIFY USER IN SUFFICIENT TIME TO  
WITNESS CEMENTING THE CASING.APPROVED  
AUG 5 1977R. L. BLEKMAN  
ACTING DISTRICT ENGINEER