

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

New Well

SINGLE  
ZONE ☐MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Southern Union Production Company

## 3. ADDRESS OF OPERATOR

1700 Campbell Centre

8350 North Central Expressway Dallas, Texas, 75206

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

At surface

1980' FNL, 1980' FEL

At proposed prod. zone

AUG 7 1974

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

Approximately 12 miles West of Carlsbad, New Mexico

## 15. DISTANCE FROM PROPOSED\*

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

## 18. DISTANCE FROM PROPOSED LOCATION\*

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

1980

## 16. NO. OF ACRES IN LEASE

1200

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

160

## 19. PROPOSED DEPTH

10,700'

## 20. ROTARY OR CABLE TOOLS

Rotary

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

3861.7 GR

## 22. APPROX. DATE WORK WILL START\*

On or before 8/31/74

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-3/4"	10-3/4"	30#	1,620'	1620
9-1/2"	7-5/8"	26.4# & 29.7#	8,000'	750
6-1/2"	4-1/2"	11.6#	10,700'	750

Drill 12-1/4" hole to 1,620'. Set 10-3/4" casing. Circulate cement to surface.  
Drill 9-1/2" hole to 8,000'. Set 7-5/8" casing. Cement with 750 sacks.  
Drill 6-1/2" hole to 10,700'. Set 4-1/2" casing. Cement with 750 sacks.  
Run required amount of tubing.  
Perforate, stimulate, and test Morrow Zone as required by rules and regulations.

RECEIVED

JUN 24 1974

U. S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

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.

SIGNED

TITLE Manager, Drilling &amp; Prod.

DATE June 20, 1974

(This space for Federal or State office use)

SUBJECT TO ATTACHED DEEP WELL CONTROL

REQUIREMENTS DATED

JUN 22 1973

APPROVAL DATE

APPROVED

APPROVED BY

CONDITION OF APPROVAL, IF ANY:

R. L. BECKMAN

ACTING DISTRICT ENGINEER

THIS APPROVAL IS RESCINDED IF OPERATIONS  
ARE NOT COMMENCED WITHIN 3 MONTHS  
EXPIRES NOV 1 - 1974

\*See Instructions On Reverse Side

DECLARED WATER BASIN

CASH MUST BE CIRCULATED

NOTIFY USGS IN SUFFICIENT TIME TO  
WITNESS OPERATIONS THE  
1031