

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 ☐SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

SOUTHERN UNION PRODUCTION COMPANY

3. ADDRESS OF OPERATOR

1700 Campbell Centre, 8350 No. Central Expressway, Dallas, Texas

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

At surface

2390' FNL and 830' FEL

At proposed prod. zone

Same

10,700 Morrow

NOV - 7 1973

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

13 miles West of Carlsbad

O. C. C.

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

830

16. NO. OF ACRES IN LEASE

320

17. NO. OF ACRES ASSIGNED

TO THIS WELL
320

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

10,700

20. ROTARY OR CABLE TOOLS

Rotary

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

Ground Level 4025'

22. APPROX. DATE WORK WILL START*

10/26/73

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#	2,500	800
7-7/8	5-1/2	15.5# & 17#	10,700	300

We propose to test the Morrow around 10,500'.

We will have blind, pipe, and annular blowout preventors capable of containing any surface pressures.

We do not plan to deviate the hole

- Drill to 2,500'. Set 8-5/8" csg, cement w/800 sx
- Drill to 10,700' - set 5-1/2" csg. Cement w/300 sx
- Set tubing on packer above zone to test.
- Perforate, test and stimulate as required.

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

Neel J. Carlson

TITLE

Mgr., drlg & Prod.

DATE

October 16, 1973

(This space for Federal or State office use)

SUBJECT TO ATTACHED DEEP WELL CONTROL

APPROVED BY

PERMIT NO.

REQUIREMENTS DATED

JUN 22 1973

APPROVAL DATE

DECLARED WATER BASIN

ACTING DISTRICT ENGINEER

THIS APPROVAL IS RESCINDED IF OPERATIONS
ARE NOT COMMENCED WITHIN 3 MONTHS.

FEB 6 - 1974

*See Instructions On Reverse Side

NOTIFY USGS IN SUFFICIENT TIME TO
THE 8:30 CASING