

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

SUN OIL COMPANY

3. ADDRESS OF OPERATOR

P. O. Box 1861, Midland, Texas 79701

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

At surface

660' FWL & 1980' FSL of Section 15

At proposed prod. zone

Same

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

13 Miles South of Maljamar

15. DISTANCE FROM PROPOSED*

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

660'

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.

First Well

19. PROPOSED DEPTH

14,440

20. ROTARY OR CABLE TOOLS

Rotary

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

3621.3' Ground

22. APPROX. DATE WORK WILL START*

Upon Approval

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
20"	16"	65#	300	350 sacks (circulate)
15"	13 3/8"	48# & 61#	2750	700 sacks (circulate)
12 1/4"	9 5/8"	40# & 43.5#	7300	500 sacks (cmt lower 2500')
8 1/2"	7 5/8" Liner			Contingent upon productive zones encountered.

1. Set 16" surface casing at approximately 300'. Circulate cement back to surface.
2. Set 13 3/8" casing through the salt section and in the top of the Yates formation at approximately 2750. Circulate cement back to surface.
3. Set 9 5/8" casing in top of Bone Springs at approximately 7300'. Cement lower 2500' of string.
4. Drill to approximate TD of 14,400' in the Devonian
5. Will run 7 5/8" and/or 5" liners as indicated by high pressure Wolfcamp gas and other productive zones.
6. Completion to be contingent upon results of DST and log analysis. Electric logs to be ran at total depth with drill stem tests of all oil and gas shows.
7. 3000 psi WP Double Gate Preventers will be used to 9 5/8" casing point. 5000 psi WP double gate preventers, rotating head and annular preventer will be used below 9 5/8" casing point.

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. W. E. Westbrook, Jr.

SIGNED

TITLE

Dist. Drilling Engineer

DATE

11-23-71

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

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GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL WELL IN OIL PRODUCTION ZONE

1. NAME OF OPERATOR: STAN OIL COMPANY

2. NAME OF WELL: STAN OIL COMPANY

3. LOCATION OF WELL: P.O. Box 1801, Midland, Texas 79701

4. TYPE OF WELL: DRILL

5. PURPOSE OF WELL: DRILL

6. PROPOSED DEPTH: 1000

7. PROPOSED LOCATION: 3 miles south of Midland

8. PROPOSED ZONE: 3 miles south of Midland

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