

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

Tahoe Oil & Cattle Company

3. ADDRESS OF OPERATOR

P. O. Box 7032, Midland, Texas 79701

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

C-NE1/4 Sec. 28, T9-S, R37-E N.M.P.M.S. GEOLOGICAL SURVEY
NEW MEXICO

At proposed prod. zone

San Andres - Slaughter

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

15 Miles East of Crossroads, New Mexico

15. DISTANCE FROM PROPOSED*

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

660

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1320

16. NO. OF ACRES IN LEASE

1918.62 ~~80~~

19. PROPOSED DEPTH

5050'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

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

3967 GR.

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#	420'	250 sx.
7 7/8"	4 1/2"	10.5#	5050'	250 sx.

DRILLING WELL PROGRAM

Drill 12 1/4" hole to 420' using fresh water & native mud. Run 8 5/8" casing, cement & circulate to surface w/250 sx. Class C plus 2% Ca Cl. WOC 12 hrs. test to 1500# for 30 minutes. Drill 7 7/8" hole to total depth, 5050'. Mud programs as follows:

- 0'-420' Fresh water & native mud.
- 420'-4900' Drill out w/fresh wtr., mix 1 sx. paper for every 100' drilled, maintain viscosity @ 31-33 sec. / 1000 c.c.; at 1000' add 25 bbls. crude oil, each day thereafter add 3 to 5 bbls. of oil per day to the mud system. Use defoamer only as needed to maintain pump pressure.
- 4900'-5050' At 4900' mix starch to lower wtr. loss to 10-15 cc/30 mins. maintain viscosity @ 36-37 sec/1000 cc

Open hole logs will be run; logs will be sidewall Neutron and Gamma Ray Caliper logs. Run 4 1/2" 10.5# K-55 (New) casing to 5050'. Cement with 250 sx. Class C salt saturated cement. Wait on cement 24 hrs. Attached are BOP requirement, casing schematic & rig layout. (Exhibits D, E, F)

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

K. A. Freeman

TITLE Petroleum Engineer

DATE 8/25/76

(This space for Federal or State office use)

PERMIT NO.

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

Unless B.O.P. is
Commenced, this
Expires 12-30-76

*See Instructions On Reverse Side

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

APPROVED
AS AMENDED
SEP 20 1976
BERNARD MOROZ
ACTING DISTRICT ENGINEER

RECEIVED

OCT 5 1976
CALIFORNIA CONSERVATION COMM.
HERBES, H. M.