

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

The Eastland Oil Company

AUG 9 1976

3. ADDRESS OF OPERATOR

704 Western United Life Building, Midland, Texas 79701

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

At surface

1980 feet FSL and 660 feet FWL

At proposed prod. zone

same

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

3-1/2 miles east of Carlsbad, New Mexico

15. DISTANCE FROM PROPOSED*

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

660'

(660')

18. DISTANCE FROM PROPOSED LOCATION*

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

First well

16. NO. OF ACRES IN NEAREST TOWN OR POST OFFICE*

200

19. PROPOSED DEPTH

3,600'

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

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

3102' GR

22. APPROX. DATE WORK WILL START*

7-15-76

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11	8-5/8	24	400'	*250 sacks Class C, 2% CaCl ₂
7-7/8	4-1/2	9.5	3,600'	*650 sacks Hovco "Lite"
*cement calculated to circulate				150 sacks Incor-Poz 2% gel

Union Federal #1 is to be drilled with a small rotary rig to a depth of approximately 3,600'. The objective is the Tracy sand (Delaware) expected to produce oil at 3,475'. No other producing zones are anticipated. Additional geological tops are: surface-Quaternary, Anhydrite-1,479', Delaware lime-1,980', and Delaware sand-2,102'.

An 8" series 900 AP13M double BOP will be installed on the surface casing and tested before drilling out cement. No abnormal pressure or temperature is anticipated. Brine water will be used for mud to 3,300' at which point salt water gel and starch will be added to produce a 38 viscosity and 10-15 water loss. One DST is planned in the Tracy sand, but no cores will be taken. At total depth, a GR/Density, Laterolog, and Caliper will be run from 400'-TD. Anticipated starting date is ~~July~~ 15, 1976 with 10 days for completion.

August

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

TITLE

Superintendent

DATE

June 7, 1976

(This space for Federal or State office use)

APPROVAL DATE

DATE

APPROVED
AUG 22 1976
H. L. BEEKHUIS
ACTING DISTRICT ENGINEER

THIS APPROVAL IS RESCINDED IF OPERATIONS ARE NOT COMMENCED WITHIN 3 MONTHS.
EXPIRES NOV - 6 1976

*See Instructions On Reverse Side

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.