

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

Manzano Oil Corporation ✓

RECEIVED

3. ADDRESS OF OPERATOR

P. O. Box 2107 Roswell, NM 88202

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

At surface

760' FSL & 2080' FEL

At proposed prod. zone

APR 29 '88

O. C. D.

ARTESIA, OFFICE

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

7 miles south of Loco Hills, NM

15. DISTANCE FROM PROPOSED\*

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

560'

16. NO. OF ACRES IN LEASE

1751.53

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

80

18. DISTANCE FROM PROPOSED LOCATION\*

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

2390'

19. PROPOSED DEPTH

8275'

20. ROTARY OR CABLE TOOLS

Rotary

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

3441 GL

22. APPROX. DATE WORK WILL START\*

May 15, 1988

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	54.5#	400'	350 sx "C" <u>circulated</u>
12 1/4"	8 5/8"	32 #	2100'	1350 sx <u>circulated</u>
7 7/8"	5 1/2"	17 & 20#	8275'	350 sx 50/50 Poz

Mud Program:

0' - 400' Spud mud with native mud.  
400' - 2950' Brine water native mud, 9-9.5 ppg, Vis. 30-35, no W/L control.  
2950' - 7000' Fresh water mud, 9-9.5 ppg, Vis 30-35, no W/L control.  
7000' - 8250' Cut brine water mud, 9-9.5 ppg, Vis. 30-35, W/L 20 cc or less.

BOP Program:

A 3000 psi 900 Series Shaffer double hydraulic operated BOP will be used and tested daily. See Exhibit "E".

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.

Agent for:

SIGNED

*George Smith*

TITLE

Manzano Oil Corporation

DATE

April 8, 1988

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

4-27-88

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side