

**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

3. ADDRESS OF OPERATOR

P. O. Box 571

Roswell, NM 88202

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

At surface

1980' FNL & 2310' FEL

At proposed prod. zone

Same

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

33 road miles west of Hobbs, NM

15. DISTANCE FROM PROPOSED*LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT. 990'

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

16. NO. OF ACRES IN LEASE

520

**17. NO. OF ACRES ASSIGNED
TO THIS WELL**

200 (320)

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

635'

19. PROPOSED DEPTH

13,700'

20. ROTARY OR CABLE TOOLS

Rotary

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

3695.6' GL

22. APPROX. DATE WORK WILL START*

July 15, 1990

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#	500'	500 sx "C" circ. to surf.
12 1/4"	8 5/8"	32.0#	5,400'	2600 sx HL & C circulated.
7 7/8"	5 1/2"	17-23#	13,700'	1400 sx "H" w/50/50 poz

MUD PROGRAM:

			Wt.	Vis.	Wtr/Loss
0' - 500'	Fresh water, gel, lime		8.5- 9.0	28-36	NC
500' - 5400'	Brine, native mud, 3-5% oil		10.0-10.2	28-34	NC
5400' - 8500'	Fresh wtr w/gel & polymer sweeps		8.4- 8.8	28-32	NC
8500' - 12400'	Cut brine w/pre-hyd gel + drispac		9.2- 9.6	32-36	15-30 cc
12400' - TD	Pre-hyd gel, caustic, drispac, starch				
	KCL & barite as required----		10.4-12.0	38-50	10-15 cc

BOP PROGRAM:

A Shaffer LWS hydraulic double 10" x 1500 series BOP with on Hydril 10" x 1500 series will be used and tested daily as a 5,000 psi system.

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

Gas is not dedicated.

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

*Deegee R. Smith*Agent for:
TITLE Manzano Oil Corp.

June 8, 1990

DATE

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY *Dr. [Signature]*

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

***See Instructions On Reverse Side**