

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1A. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM-56749
B. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Manzano Oil Corporation		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P. O. Box 2107 Roswell, NM 88202		8. FARM OR LEASE NAME Texaco Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 660' FSL & 1980' FWL At proposed prod. zone Same		9. WELL NO. 3
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 32 road miles west of Hobbs, NM		10. FIELD AND POOL, OR WILDCAT Undesignated
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 660'	16. NO. OF ACRES IN LEASE 520	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 14-T19S-R33E
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1400'	19. PROPOSED DEPTH 8000'	12. COUNTY OR PARISH Lea
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3661' GL		13. STATE New Mexico
20. ROTARY OR CABLE TOOLS Rotary		17. NO. OF ACRES ASSIGNED TO THIS WELL 40
22. APPROX. DATE WORK WILL START* October 15, 1991		

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#	1700'	1000 sx "C" circ. to surf.
7 7/8"	5 1/2"	15.5-17#	5150' 8,000'	600 sx "H" w/50/50 poz back to 5300' - SEE STIPS.

Mud Program:

0' - 1700': Fresh water native mud: mud wt. 10 ppg, Vis. 28-30, No W/L control.
1700' - 6500': Brine mud: mud wt. 10 ppg, Vis. 30-32, No W/L control.
6500' - 8000': Brine mud: mud wt. 9.8-10 ppg, Vis. 30-32, W/L 10-15cc.

BOP Program:

An 11" 5000 psi wp Shaffer Type "LWS" BOP will be installed on the 8 5/8" casing. Casing and BOP will be tested before drilling out with 7 7/8". BOP will be used as a 3000 psi wp system and will be tested daily.

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 George Smith Agent for: Sept. 3, 1991
TITLE Manzano Oil Corp. DATE
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY Orig. Signed by [Signature] TITLE RESOURCE AG. DATE 9-23-91

CONDITIONS OF APPROVAL, IF ANY:
APPROVAL SUBJECT TO

GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

*See Instructions On Reverse Side

ATTACHED
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED

SEP 26 1991

CHS
HOBBS OFFICE