

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-17807
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, ALLOTTED 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 Anadarko Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1980' FSL & 660' FEL At proposed prod. zone Same			9. WELL NO. 1
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 17 miles SE of Loco Hills, NM			10. FIELD AND POOL, OR WILDCAT Undesignated Delaware
10. 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 321.1	17. NO. OF ACRES ASSIGNED TO THIS WELL 40	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. N/A	19. PROPOSED DEPTH 6825'	20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3798' GL			22. APPROX. DATE WORK WILL START* January 6, 1992

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"	24.0#	1200'	Circ 400 sx HL & 200 "C"
7 7/8"	5 1/2"	15 & 17#	6825'	500 sx HL & 600 50/50 poz

Mud Program:

	Mud Wt.	Vis.	W/L Control
0' - 1200': Fresh water spud mud:	8.8 ppg	28-29	No W/L cont.
1200' - 4825': Cut Brine:	9-9.2 ppg	32	No W/L cont.
4825' - 6825': Cut Brine:	9-9.2 ppg	32	W/L cont. 15cc

BOP Program:

A 10" 3000 psi wp Shaffer Series 900 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 2000 psi wp system and will be 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. SIGNED <u>George Smith</u>	Agent for: TITLE <u>Manzano Oil Corp.</u>	DATE <u>Dec. 11, 1991</u>
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(This space for Federal or State office use)

PERMIT NO. _____	APPROVAL DATE _____
APPROVED BY _____	TITLE _____ DATE <u>1-9-91</u>
CONDITIONS OF APPROVAL, IF ANY:	

Amended to Change location

*See Instructions On Reverse Side

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

JAN 15 1992

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