

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"/> Re-entry DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. NM-25457
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 Jewett Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 660' 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 Querecho Plains ^{upper} Bone Spring
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'		16. NO. OF ACRES IN LEASE 320	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 8650' 10,010'	20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3792' GL			22. APPROX. DATE WORK WILL START* December 15, 1991

PROPOSED CASING AND CEMENTING PROGRAM Capitan Controlled Water Basin

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
existing 17 1/2"	13 3/8"	48#	610'	Circ 275 sx HL & 200 H
" 11 3/4"	8 5/8"	32#	4425'	250 sx "C" (existing)
ee note 11 3/4"	8 5/8"	48#	1370'	350 sx "C" tie back*
7 7/8"	5 1/2"	15.2 & 17#	8650'	750 sx "H" back to 5000'

Note: Will run a 1370' 8 5/8" casing string with a 10" flange to the top of the cut off 8 5/8" casing. Will continue to drill out plugs and test well. If commercial will cement the new 8 5/8" casing with 350 sx "C", ~~to tie back~~

Mud Program:	Mud Wt.	Vis.	W/L Control
0' - 4825': Cut Brine mud:	9.2 ppg	32	No W/L cont.
4825' - 8650': Cut Brine mud	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 J. Smith</u>	Agent for: TITLE <u>Manzano Oil Corp.</u>	Nov. 26, 1991 DATE
(This space for Federal or State office use)		

PERMIT NO. _____	APPROVAL DATE _____
APPROVED BY _____	TITLE _____

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

JAN 02 1992

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