

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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(Other instructions on
reverse side)

30-025-21116
BLM Roswell District
Modified Form No.
NM60-3160-2

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-67110
B. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <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 Federal 31-G
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 335' FNL & 2223' FEL At proposed prod. zone Same		9. WELL NO. 4
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 23 miles south of Maljamar, NM		10. FIELD AND POOL, OR WILDCAT South Fork Gater Seven Rivers
10. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 335'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 31-T19S-R33E
16. NO. OF ACRES IN LEASE 320		12. COUNTY OR PARISH Lea
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 109'		13. STATE New Mexico
19. PROPOSED DEPTH 3175'		17. NO. OF ACRES ASSIGNED TO THIS WELL 40
20. ROTARY OR CABLE TOOLS Workover Rig		22. APPROX. DATE WORK WILL START* August 10, 1992
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3579'		

PROPOSED CASING AND CEMENTING PROGRAM Secretary's Potash/R-111-P Potash

HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	48#	? In exist.	hole?	73'	50 sx neat
12 1/4"	8 5/8"	24# NEW	J-55	STC	500'	Circ 200 sx C
7 7/8"	5 1/2"	15.5# NEW	J-55	LTC	3175'	circ 900 sx C

Mud Program:
0' - 2850': Saturated Brine mud; Mud Wt. 10.0 ppg; Vis. 28; W/L Control
2850' - 3175': Salt water gel w/LCM; Mud Wt. 10.0 ppg; Vis. 31-32; 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" at the 400' depth. A 2000 psi wp BOP will be used on the workover rig. See exhibit "E" for BOP.

Note: Propose to re-enter well with a workover/pulling unit rig and drill out plugs to current T.D. of 3175'. Will test and set 5 1/2" production casing if well is commercial.

8 5/8" &

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 Georges Smith Agent for: Manzano Oil Corp. DATE July 23, 1991

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

*See Instructions On Reverse Side

ATTACHED C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the

RECEIVED

AUG 28 1992

JCD HOBBS OFFICE