

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

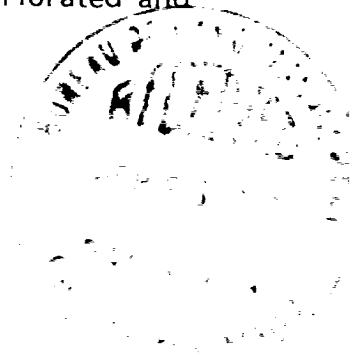
1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. NM-25457
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Manzano Oil Corporation 505/623-1996			7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P.O. Drawer 2107, Roswell, NM 88202			8. FARM OR LEASE NAME Murjo Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1850' FNL & 990' FWL of Section 23 At proposed prod. zone same			9. WELL NO. 1
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 8 1/2 miles south of Maljamar, New Mexico			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) 990'		16. NO. OF ACRES IN LEASE 240	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 23, T18S, R32E
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 530'		19. PROPOSED DEPTH 8700'	12. COUNTY OR PARISH Lea
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3773' SJS 3765.3' GR		20. ROTARY OR CABLE TOOLS Rotary	13. STATE NM
22. APPROX. DATE WORK WILL START* May 1, 1987			

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"	48#	350'	Sufficient to circulate/
12-1/4"	8-5/8"	24#	2800'	Sufficient to circulate/
7-7/8"	5-1/2"	15.5# & 17#	8700'	400 sacks

After setting production casing, the pay zone(s) will be selectively perforated and stimulated for optimum production.

See attached for: Supplemental Drilling Data
BOP Sketch - to be tested daily
Surface Use and Operations Plan



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>Jackie Midkiff</u>		TITLE <u>Jackie Midkiff/Production Clerk</u>		DATE <u>4/15/87</u>
(This space for Federal or State office use)				
PERMIT NO. <u>1000</u>		APPROVAL DATE		
APPROVED BY <u>Sgt. Linda S. C. Randal</u>		DATE <u>5-29-87</u>		
CONDITIONS OF APPROVAL, IF ANY:		TITLE		