APPLICATION FOR DRILLING

MANZANO OIL CORPORATION Burro Federal, Well No. 1 1980' FSL & 1980' FEL, Sec. 30-T21S-R22E Lea County, New Mexico Lease No.: NM-92143 (Exploratory Well)

In conjunction with Form 3160-3, Application for Permit to Drill subject well, Manzano Oil Corporation submits the following items of pertinent information in accordance with BLM requirements:

1. The geologic surface formation is recent Permian with quaternary alluvium and other surficial deposits.

2. The estimated tops of geologic markers are as follows:

Glorieta	1400'	Atoka	7900'
Abo	3400'	Morrow	8100'
Wolfcamp	4560'	Mississippi	8800'
Cisco	5900'	T.D.	9000'
Strawn	7200'		

- 3. The estimated depths at which water, oil or gas formations are anticipated to be encountered:
 - Water:Surface water between 100' 350'.Oil:None expected.Gas:Possible in the Morrow below 8100'.
- 4. Proposed Casing Program: See Form 3160-3.

HOLE SIZE	CASING SIZE	WEIGHT	GRADE	JOINT S	ETTING DEPTH	OUANTITY OF CEMENT
12 1/4"	8 5/8 "	24.0#	J-55	ST&C	1,500'	Circ. 1000 sx Lite $+200$ sx Neat.
7 7/8"	4 1/2"	11.6#	N-80	LT&C	9,000'	500 sx of 50/50 Poz.

5. Proposed Control Equipment: See Exhibit "E".

BOP Program:

A 10" 3000 psi wp Schaffer Type E double hydraulic ram BOP, will be installed on the 8 5/8" casing. Casing and BOP will be tested before drilling out with 7 7/8". The BOP will be tested daily.

6.	Mud Program:.		MUD WEIGHT	VIS.	W/L CONTROL
	0' - 1500':	Fr/water w/gel & Im	8.4 ppg	28	No W/L control
	1500' - 7900':	Cut Brine mud:	8.6 ppg	29	No W/L control
	7900' - 9000':	Cut Brine mud:	8.8 - 9.0 ppg	30 - 32	W/L control 10 +/-

- 7. Auxiliary Equipment: Blowout Preventer, gas detector, Kelly cock, pit level monitor, flow sensors and stabbing valve.
- 8. Testing, Logging, and Coring Program:

Drill Stem Tests:	None unless warranted.	
Logging:	Gamma Ray/neutron: T.D. to surface.	
	DLL-MSFL, CNL-LTD:	T.D. to 8 5/8" Casing.
Coring:	None planned.	-