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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease
STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.
LG-2869

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Firm or Lease Name Santa Fe Exploration	
2. Name of Operator Manzano Oil Corporation (505/623-1996)		9. Well No. 1	
3. Address of Operator P.O. Box 571/Roswell, NM 88202		10. Field and Pool, or Wildcat Wildcat	
4. Location of Well UNIT LETTER B LOCATED 660 FEET FROM THE North LINE 1980 East LINE OF SEC. 20 TWP. 18S RGE. 34E NMPM		12. County Lea	
21. Elevations (Show whether DF, RT, etc.) 4050.9		22. Approx. Date Work will start June 29, 1985	
21A. Kind & Status Plug. Bond Statewide		21B. Drilling Contractor Unknown	
19. Proposed Depth 13,900		19A. Formation Morrow	
20. Rotary or C.T. Rotary			

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17-1/2"	13-3/8"	54.5#	350	Sufficient to	Circulate
12-1/4"	8-5/8"	24 & 28#	3700	Sufficient to	Circulate
7-7/8"	5-1/2"	17 & 20#	13900	300 sks	

Intend to spud 17 1/2" hole with cable rig while waiting on rotary rig. Will move in rotary rig and drill to approximately 350 feet and run and cement 13-3/8" casing. Will then drill 12 1/4" hole to 3700' and run and cement 8-5/8" casing. Will nipple up Shaffer LWS 10" 900 hydraulic 3000# BOP and test with 10" hydril. Will test BOP choke manifold, hydril and casing with 1500 psi.

Will then drill 7-7/8" hole to total depth of approximately 13,900', testing all zones of interest. If productive, will run and cement 5-1/2" casing, perforate and complete.

Will use spud mud and native mud to 3700', drill out with KCL water and have mud up at approximately 8500' to TD.

Permit Expires 6 Months from Approval Date Unless Drilling Underway.

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed Jackie Midkiff Title Jackie Midkiff/Prod. Clrk. Date 6/27/85

(This space for State Use)

OIL & GAS INSPECTOR

APPROVED BY ORIGINAL DEPT. OF ENERGY TITLE DATE

CONDITIONS OF APPROVAL, IF ANY: