

Submit to Appropriate District Office  
 State Lease - 6 copies  
 Fee Lease - 5 copies

State of New Mexico  
 Energy, Minerals and Natural Resources Department

Form C-101  
 Revised 1-1-89

**OIL CONSERVATION DIVISION**  
 P.O. Box 2088  
 Santa Fe, New Mexico 87504-2088

**DISTRICT I**  
 P.O. Box 1980, Hobbs, NM 88240

**DISTRICT II**  
 P.O. Drawer DD, Artesia, NM 88210

**DISTRICT III**  
 1000 Rio Brazos Rd., Aztec, NM 87410

API NO. (assigned by OCD on New Wells) <b>30-005-211DR</b>
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

1a. Type of Work: DRILL <input checked="" type="checkbox"/> RE-ENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		7. Lease Name or Unit Agreement Name  D. J. Fee
b. Type of Well: OR WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		
2. Name of Operator Manzano Oil Corporation 505/623-1996		8. Well No. 1
3. Address of Operator P.O. Box 2107, Roswell, NM 88202-2107		9. Field Name or Wildcat Cato San Andres
4. Well Location Unit Letter <u>G</u> : <u>1650</u> Feet From The <u>North</u> Line and <u>1650</u> Feet From The <u>East</u> Line Section <u>35</u> Township <u>7 South</u> Range <u>30 East</u> NMPM Chaves County		

10. Proposed Depth 3700'	11. Formation San Andres	12. Rotary or C.T. Rotary
13. Elevations (Show whether DF, RT, GR, etc.) 4165' GL	14. Kind & Status Plug. Bond State Bond	15. Drilling Contractor WEK Drilling Co.
		16. Approx. Date Work will Start 3-28-92

**PROPOSED CASING AND CEMENT PROGRAM**

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4"	8 5/8"	24#	320'	Circ 300 sx C	Circulate
7-7/8"	5 1/2"	15.5#	3,700'	600 sx "C"	1,000'

**Mud Program:**

0' - 320': Fresh water native mud: mud wt. 10 ppg, Vis. 28-32, No W/L control.  
 320' - 2650': Brine mud: mud wt. 10 ppg, Vis. 28-32, No W/L control.  
 2650' - 3700': Brine mud: mud wt. 10 ppg, Vis. 28-32, W/L 15cc.

**BOP Program:**

A 10" 3000 psi wp Shaffer Type "E" BOP will be installed on the 11-3/4" 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.

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.

SIGNATURE Arthur Rolfe TITLE Production Analyst DATE March 24, 1992

TYPE OR PRINT NAME \_\_\_\_\_ TELEPHONE NO. \_\_\_\_\_

(This space for State Use)  
 APPROVED BY Paul Kautz Geologist TITLE \_\_\_\_\_ DATE MAR 26

CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval  
 Date Unless Drilling Underway.