

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>30-02532002</b>
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. VA 683

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  Sombrero "18" State		
b. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>			8. Well No. 1		
2. Name of Operator Mitchell Energy Corporation			9. Pool name or Wildcat So. Kemnitz (Atoka-Morrow)		
3. Address of Operator P. O. Box 4000, The Woodlands, Texas 77387-4000					
4. Well Location Unit Letter <u>E</u> : <u>1900</u> Feet From The <u>North</u> Line and <u>710</u> Feet From The <u>West</u> Line Section <u>18</u> Township <u>16S</u> Range <u>34E</u> NMPM Lea County					
10. Proposed Depth 13,500'		11. Formation Morrow		12. Rotary or C.T. Rotary	
13. Elevations (Show whether DF, RT, GR, etc.) 4153 GR		14. Kind & Status Plug. Bond Blanket on File		15. Drilling Contractor	
16. Approx. Date Work will start					
17. 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#	500'	Premium	Surface
12-1/4"	8-5/8"	32.0#	4550'	Light + Premium	Surface
7-7/8"	5-1/2"	17#	TD	Light+50/50 POZ	9000'

Mitchell proposes to drill to a depth sufficient to test the Morrow formation for gas. If productive, 5½" casing will be cemented at TD. If non-productive, the well will be plugged and abandoned in a manner consistent with State of New Mexico regulations. Blowout preventer schematic attached as Exhibits 1 & 1A.

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 [Signature] TITLE Mgr., Prod. Reg. Affairs DATE 06-04-93

TYPE OR PRINT NAME Mark N. Stephenson

TELEPHONE NO. 713-377-581

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON  
DISTRICT I SUPERVISOR

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE JUL 07 1993

CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval  
Date Unless Drilling Underway.