

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) <u>30-045-27615</u>
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 FC FLAHERTY COM			
b. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Well No. # 1 w/307.57			
2. Name of Operator MESA OPERATING LIMITED PARTNERSHIP		9. Pool name or Wildcat Basin Fruitland Coal			
3. Address of Operator P.O. BOX 2009, AMARILLO, TEXAS 79189					
4. Well Location Unit Letter <u>L</u> : <u>2080'</u> Feet From The <u>South</u> Line and <u>850'</u> Feet From The <u>West</u> Line Section <u>6</u> Township <u>31N</u> Range <u>10W</u> NMPM San Juan County					
10. Proposed Depth 2830'		11. Formation Fruitland Coal	12. Rotary or C.T. Rotary		
13. Elevations (Show whether DF, RT, GR, etc.) 5929' GR	14. Kind & Status Plug Bond Blanket	15. Drilling Contractor Not Yet Determined	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
12 1/4"	8 5/8"	24#	200'	150 sx "B"	Surface
7 7/8"	5 1/2"	17#	2830'	350 Poz/300 B	Surface
	2 3/8"	4.7#	2830'		

Propose to spud well with 12 1/4" hole and drill to 200' and set 8 5/8" surface casing. Will cement with 150 sx of Class "B" and raise cement to surface. Will nipple up 3000 psi BOP assembly and drill 7 7/8" hole to TD of + 2830' with fresh water mud system. Will then log well and evaluate for possible commercial production. If successful, will then run 5 1/2" casing to + 2830' and cement with 350 sx Pozmix followed by 300 sx "B" cement. Will move off drilling rig and move in completion unit.

APPROVAL EXPIRES 9-27-90
UNLESS DRILLING IS COMMENCED.
SPUD NOTICE MUST BE SUBMITTED
WITHIN 10 DAYS.

RECEIVED
FEB 26 1990
OIL CON. DIV
DIST. 3

xc: NMOCD-Aztec (0+3), Well File, Reg, Land, Expl., Drilling
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 Cathy L. McKee TITLE Regulatory Analyst DATE 2/22/90
TYPE OR PRINT NAME _____ TELEPHONE NO. _____

(This space for State Use)

APPROVED BY Ernest Bosch DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE FEB 27 1990
CONDITIONS OF APPROVAL, IF ANY: _____