

NO. OF COPIES RECEIVED	
DISTRIBUTION	
ANTA FE	1
FILE	1
U.S.G.S.	2
LAND OFFICE	1
OPERATOR	1

NEW MEXICO OIL CONSERVATION COMMISSION

NOV 20 1979

O. C. C.
ARTEBIA, OFFICE

30-015-23072

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.
L-3849

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		8. Farm or Lease Name	
DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		Fourmile Fed Com	
2. Name of Operator		9. Well No.	
Mesa Petroleum Co. ✓		1	
3. Address of Operator		10. Field and Pool, or Wildcat	
1000 Vaughn Building, Midland, Texas 79701		Undes. Morrow	
4. Location of Well		12. County	
UNIT LETTER 0 LOCATED 660 FEET FROM THE South LINE		Eddy	
AND 1980 FEET FROM THE East LINE OF SEC. 26 TWP. 18S RGE. 24E NMPM			
19. Proposed Depth		19A. Formation	
9000'		Morrow	
20. Rotary or C.T.		Rotary	
21. Elevations (Show whether DF, RT, etc.)		22. Approx. Date Work will start	
3694.6 GR		December 2, 1979	
21A. Kind & Status Plug. Bond		21B. Drilling Contractor	
Blanket		Moranco	

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"	48#	350'	375	Surface
11"	8-5/8"	24#	1200'	400	Surface
7-7/8"	4-1/2"	10.5#/11.6#	9000'	1025	5000'

Propose to drill 17-1/2" hole to 350' without BOPs. Set 13-3/8" casing and circulate cement. Install 12" x 3000 psi casinghead and nipple up 12" x 3000 psi double BOP with pipe and blind rams. Drill 11" hole to 1200' with fresh water. Set 8-5/8" casing and circulate cement. Install 12" 3000 psi x 10" 3000 psi casing spool and nipple up 10" x 3000 psi double BOP with pipe rams and blind rams and 10" x 3000 psi hydril. Drill 7-7/8" hole to 9000', using fresh water to 5000' and light brine with KCL from 5000' to 9000' TD. Maximum expected mud weight is 9.5 ppg based on other area wells. 4-1/2" production casing will be run and cement raised to approximately 5000'. Operator's gas is dedicated to Northern Natural Gas.

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED

EXPIRES 2-26-80

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 R. E. Mathis Title Regulatory Coordinator Date November 19, 1979

(This space for State Use) *

APPROVED BY W. A. Gussert TITLE SUPERVISOR, DISTRICT II DATE NOV 26 1979

CONDITIONS OF APPROVAL, IF ANY:

Cement must be circulated to surface behind 13 3/8" casing

Notify W. A. Gussert time to 8:58 the 8:58

xc: TLS, JBH, JWH, MEC, FILE, WI OWNERS, NMOCD (6)