

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65

5A. Indicate Type of Lease  
STATE ☐ FEE ☒  
5. State Oil & Gas Lease No.

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

1a. Type of Work b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>				7. Unit Agreement Name	
2. Name of Operator Mesa Petroleum Co				8. Farm or Lease Name Mattie Burns	
3. Address of Operator 1000 Vaughn Building Midland, Texas 79701				9. Well No. 1	
4. Location of Well UNIT LETTER G LOCATED 1980 FEET FROM THE North LINE AND 1980 FEET FROM THE East LINE OF SEC. 31 TWP. 15S RGE. 36E NMPM				10. Field and Pool, or Wildcat Wildcat	
				12. County Lea	
21. Elevations (Show whether DF, RT, etc.) 3919 GR		21A. Kind & Status Plug. Bond Blanket		19. Proposed Depth 10,950	
		21B. Drilling Contractor M-G-F		19A. Formation Wolfcamp	
				20. Rotary or C.T. Rotary	
				22. Approx. Date Work will start February 10, 1978	

## 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	425	Circ
11	8-5/8	24-32	4200	1000	350'
7-7/8	5-1/2	17	10950	Sufficient to cover all pay	

Propose to drill surface hole with fresh water and spud mud. After setting 13-3/8" casing and installing bradenhead, will nipple up 12" API 3000 psi WP BOP's. Will drill 11" hole to 4200' using brine water and run 8-5/8" casing to that depth. Will cement casing with volume sufficient to raise top of cement to the base of the surface casing. Will nipple up BOP stack, same as before, then drill to total depth of 10,950' using fresh water and polymer. Maximum anticipated mud weight is 8.8 PPG, based upon area wells.

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 Michael P. Houston Title Division Engineer Date 1-6-77

(This space for State Use)

APPROVED BY Jerry Sexton TITLE Asst. Supv. DATE 1-11-1978

CONDITIONS OF APPROVAL, IF ANY:

XC: JLF, MEC, JWH, JWJ, NMOCC RHN

RECEIVED

JAN 10 1978

OIL CONSERVATION COMM.  
HOBBS, N. M.