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NEW MEXICO OIL CONSERVATION COMMISSION
MAR - 7 1978
O. C. C.
ARTESIA, OFFICE

30-015-22447

Form O-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-4856	

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	
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		Undesignated Morrow	
4. Location of Well		12. County	
UNIT LETTER <u>H</u> LOCATED <u>2030</u> FEET FROM THE <u>North</u> LINE		Eddy	
AND <u>660</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>24</u> TWP. <u>18S</u> RGE. <u>24E</u> NMPM			
19. Proposed Depth		19A. Formation	
8800'		Morrow	
20. Rotary or C.T.		Rotary	
21. Elevations (Show whether DF, RT, etc.)		22. Approx. Date Work will start	
3660' GR		March 12, 1978	
21A. Kind & Status Plug. Bond		21B. Drilling Contractor	
Blanket		Warton	

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17½"	13-3/8"	48	350	400	Circ
12¼"	8-5/8"	24	1100	500	Circ
7-7/8"	4-1/2"	11.6	8800	350	7000

Propose to drill to 350' and run 13-3/8" casing, then cement to surface. Will install casing-head and NU BOPs to drill 12¼" intermediate hole to approx 1100'. Will cement 8-5/8" casing to surface and NU BOPs as before (pipe, blind, Hydril). Will drill 7-7/8" hole to approximately 8800'; will run DSTs as necessary to evaluate formations as penetrated. Will cement production casing with sufficient volume to cover all possible pay intervals.

Mud program: Use fresh water with gel and LCM to 1100'. Fresh water to 6500', gradually converting to flosal - drispac- KCL system. Maximum mud weight expected is 8.8 PPG.

Operator's gas is committed to Northern Natural Gas.

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED,

EXPIRES 6-13-78

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 March 6, 1978

(This space for State Use)

APPROVED BY W. A. Gessett TITLE SUPERVISOR, DISTRICT II DATE MAR 13 1978

CONDITIONS OF APPROVAL, IF ANY:

Cement must be circulated to
surface behind 13 3/8" 8 5/8" casing

Notify N.M.O.C.C. 15 days in
advance to witness casing
the 8 5/8" casing

XC: JLF, JWH, MEC, RRD, NMOCC, FILE, W.I.OWNERS