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NEW MEXICO OIL CONSERVATION COMMISSION
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30-015-21751
Form C-101
Revised 1-1-65

FEB 24 1976

O. C. C.

ARTESIA, OFFICE

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		7. Unit Agreement Name
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. Farm or Lease Name Moore Federal Co
2. Name of Operator Mesa Petroleum Co. ✓		9. Well No. 1
3. Address of Operator 904 Gihls Tower West, Midland, TX		10. Field and Popt, or Wildcat Undes. Morrow
4. Location of Well UNIT LETTER K LOCATED 1650 FEET FROM THE South LINE AND 1650 FEET FROM THE West LINE OF SEC. 35 TWP. 24S RGE. 26E NMPM		12. County Eddy
19. Proposed Depth 11,800'		19A. Formation Morrow
20. Rotary or C.T. Rotary		
21. Elevations (Show whether D.F., K.I., etc.) 3320 GR	21A. Kind & Status Plug. Bond Blanket	21B. Drilling Contractor To be determined
		22. Approx. Date Work will start March 10, 1976

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
20	16	65	250'	250'	Surface
13-3/4 (14-3/4)	10-3/4	40.5	2,200'	600	1,000'
9-1/2	7-5/8	26.4-29.7	8,800'	400	6,800
6-1/2	5" or 5 1/2"	15 or 17	8,400-11,800'	350	Cover liner top

Propose to drill 20" surface hole with fresh water to 250' without BOP's. After setting 16" and circulating cement to surface, will drill out with brine water and drill to 2200' without BOP's. Will set 10-3/4" casing and after cementing, will nipple up 10" API 5000 psi BOP's (1 set pipe rams, 1 set blind rams, & hydril) and drill to approximately 8800' using fresh water mud. Will set and cement 7-5/8" casing, then test BOP's (same as above) and drill to total depth using control polymer brine water mud. Maximum anticipated mud weight is 10.4 PPG based on results of other wells drilled in the area. A 5" or 5 1/2" liner will be set at total depth.

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED,

EXPIRES 6-4-76

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 Feb 23, 1976

(This space for State Use)

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE MAR 4 1976

CONDITIONS OF APPROVAL, IF ANY:

VC. 1 TIE 1-MEC 1-TWH 1-IMC 1-DHM 5-NMOCC

Cement must be circulated to

240 ft behind 16 1/4" casing