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NEW MEXICO OIL CONSERVATION COMMISSION

JAN 12 1979

O. C. C.
ARTESIA. OFFICE

30-015-22790
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. LG 5025

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		7. Unit Agreement Name	
2. Name of Operator Mesa Petroleum Co. ✓		SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name Frank State	
3. Address of Operator 1000 Vaughn Building Midland, Texas 79701				9. Well No. 1	
4. Location of Well UNIT LETTER I LOCATED 2130 FEET FROM THE South LINE AND 660 FEET FROM THE East LINE OF SEC. 7 TWP. 19S RGE. 23E NMPM				10. Field and Pool, or Wildcat Undesignated-Morrow	
				12. County Eddy	
		19. Proposed Depth 7700'		19A. Formation Morrow	
				20. Rotary or C.T. Rotary	
21. Elevations (Show whether DF, RT, etc.) 4041 GR		21A. Kind & Status Plug. Bond Blanket		21B. Drilling Contractor ARD	
				22. Approx. Date Work will start 1-17-79	

23.

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#	250'	275	Surface
11"	8 5/8	24#	1700'	575	Surface
7 7/8"	5 1/2	17#	7700'	775	3500'

Propose to drill 17 1/2" hole to 250'. Set 13 3/8" casing and circulate cement. Nipple up BOPs. Drill an 11" hole to 1700' with fresh water. Set 8 5/8" casing and circulate cement to surface. Drill a 7 7/8" hole to approximately 7700', using fresh water to 3400' and fresh water gel mud with KCL from 3400' to 7700' TD. Maximum expected mud weight is 9.5 lbs per gallon based on another Mesa well in the area. 5 1/2" production casing will be run and cement raised to approximately 3500'.

Operators gas is not designated to a purchaser.

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED,

EXPIRES 4-16-79

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 Steve Douglas Title Engineer Date 1-10-79

(This space for State Use)

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE JAN 16 1979

CONDITIONS OF APPROVAL, IF ANY:

XC: JLF, MEC, JWH, NMOCD,

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

Notify N.M.O.C.C. in sufficient
time to witness cementing
the 8 5/8" casing