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NEW MEXICO OIL & GAS COMMISSION

FEB 21 1979

O. C. C.
ARTESIA, OFFICE

30-015-22847

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-3017	

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 Rio State	
2. Name of Operator Mesa Petroleum Co. ✓		9. Well No. 1	
3. Address of Operator 1000 Vaughn Building Midland, Texas 79701		10. Field and Pool, or Wildcat Undesignated-Morrow	
4. Location of Well UNIT LETTER K LOCATED 1980 FEET FROM THE South LINE AND 1980 FEET FROM THE West LINE OF SEC. 36 TWP. 18S RGE. 24E NMPM		12. County Eddy	
19. Proposed Depth 9000		19A. Formation Morrow	
20. Rotary or C.T. Rotary		21. Elevations (Show whether DE, RT, etc.) 3680 GR	
21A. Kind & Status Plug. Bond Blanket		21B. Drilling Contractor Ard Drilling Co	
22. Approx. Date Work will start 3-5-79			

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
12 1/4	8 5/8	24	1200	600	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 casing head and nipple up 12" x 3000 psi double BOP with pipe and blind rams. Drill a 12 1/4" 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 a 7 7/8" hole to 9000', using fresh water to 5000' and fresh water gel mud with KCL from 5000' to 9000' TD. Maximum expected mud weight is 9.5# per gallon based on another Mesa well in the area. 4 1/2" production casing will be run and cement raised to approximately 5000'. Operator's gas is not dedicated.

APPROVAL VALID
FOR 90 DAYS FROM
DRILLING COMMENCEMENT

EXPIRES 5-26-79

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 2-19-79

(This space for State Use)

APPROVED BY W.A. Gressitt TITLE SUPERVISOR, DISTRICT II DATE FEB 26 1979

CONDITIONS OF APPROVAL, IF ANY:

Cement must be circulated to

Notify BLM of completion

surface behind 13 3/8" & 8 5/8" casing

time to witness completion

XC: JLF, MEC, JWH, FILE, NMCD, WI OWNERS, JBH

the 8 5/8" casing