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 NEW MEXICO OIL CONSERVATION COMMISSION
JUN 4 1979
O. C. C.
ARTEBIA, OFFICE

30-015-22934

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 b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> 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"/>		7. Unit Agreement Name
2. Name of Operator Mesa Petroleum Co ✓		8. Farm or Lease Name Rio State
3. Address of Operator 1000 Vaughn Building / Midland, Texas 79701		9. Well No. 2
4. Location of Well UNIT LETTER <u>J</u> LOCATED <u>1980</u> FEET FROM THE <u>South</u> LINE AND <u>1980</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>36</u> TWP. <u>18S</u> RGE. <u>24E</u> NMPM		10. Field and Pool, or Wildcat Undesignated - Morrow
		12. County Eddy
19. Proposed Depth 9000		19A. Formation Morrow
20. Rotary or C.T. Rotary		
21. Elevations (Show whether DE, RT, etc.) 3674.4	21A. Kind & Status Plug. Bond Blanket	21B. Drilling Contractor Ard Drilling Co
22. Approx. Date Work will start 6-5-79		

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 light brine 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 PAID
 FOR 90 DAYS UNLESS
 DRILLING COMMENCED,

EXPIRES 9-5-79

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 Michael P. Houston Title Division Engineer Date 5-30-79

(This space for State Use)

APPROVED BY W. A. Gussitt TITLE SUPERVISOR, DISTRICT 11 DATE JUN 5 1979

CONDITIONS OF APPROVAL, IF ANY:

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 7/8" casing

XC: JLF, MEC, JWH, FILE, NMOCD, WI.OWNERS, JBH