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NEW MEXICO OIL CONSERVATION COMMISSION

MAY 12 1980

O. C. D.
ARTESIA, OFFICE

30-015-23325

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-4494
7. Unit Agreement Name
8. Farm or Lease Name CAPROCK STATE COM
9. Well No. 1
10. Field and Pool, or Wildcat UNDES. QUEEN/PREMIER
12. County EDDY
19. Proposed Depth 4200
19A. Formation QUEEN/PREMIER
20. Rotary or C.T. ROTARY & C.T.
21E. Drilling Contractor Hondo
22. Approx. Date Work will start May 19, 1980

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK			
1. Type of Work a. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>			
2. Name of Operator MESA PETROLEUM COMPANY			
3. Address of Operator 1000 VAUGHN BUILDING/MIDLAND, TEXAS 79701			
4. Location of Well UNIT LETTER N LOCATED 660 FEET FROM THE South LINE AND 1980 FEET FROM THE WEST LINE OF SEC. 1 TWP. 16S RGE. 31E NMPM			
11. Proposed Depth 4200			
19A. Formation QUEEN/PREMIER			
20. Rotary or C.T. ROTARY & C.T.			
21. Approx. Date Work will start May 19, 1980			

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17"	13 3/8"	48#	40'	3 Yds Redimix	Surface
12 1/4"	8 5/8"	24#	400'	250	Surface
7 7/8"	4 1/2"	10.5#	4200'	450/260	Sufficient to cover all pay

Propose to drill to 50' with C.T. and then move in rotary rig, set conductor if needed and drill to 400'. Will set 8 5/8", 24#, K-55, ST&C casing cemented with 250 sx Class "C" + 2% CaCl, preceded with 100 sx. Thix-set if lost circulation was encountered. Nipple up 10" API 3000 psi BOPs with pipe rams and blind rams and test for 30 minutes at 600 psi and then drill 7 7/8" hole to TD or 4200' with fresh water and corrosion and water loss additives. Will run 4 1/2", 10.5#, K-55, ST&C casing to TD and cement with 450 sx HOWCO Lt + 1/4# Flocele + 10# salt and tail in with 260 sx 50/50 Poz Mix + 2% gel + 8# salt + 3/10% CFR-2. Nipple up 10" API 3000 psi x 6" API 3000 psi tubing spool.

Gas is not dedicated.

* Set 8 5/8" surface casing to top of salt @ approx. 1200'
+ Circulate cement to surface or cement 4 1/2" back to base of salt
+ Set a DV Tool @ top of salt + Circulate cement to surface.

APPROVAL VOID
FOR 90 DAYS UNLESS
DRILLING COMMENCED,

EXPIRES 8-16-80

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTION 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 R. P. Mark Title Regulatory Coordinator Date May 9, 1980

(This space for State Use)

SUPERVISOR, DISTRICT II

COPIED BY W. A. Gussitt TITLE DATE MAY 16 1980

CONDITIONS OF APPROVAL, IF ANY:

* as noted above

XC: NMOC (6), TLS, JWH, MEC, JBH, PARTNERS, ACCTG, CENTRAL RECORDS, FILE