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NEW MEXICO OIL CONSERVATION COMMISSION

30-025-27397

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-5467	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work			7. Unit Agreement Name		
b. 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 type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			8. Farm or Lease Name Mesa State		
2. Name of Operator Collier Energy, Inc.			9. Well No. #1		
3. Address of Operator P.O. Box 798, Artesia, New Mexico 88210			10. Field and Pool, or Acreage Undesignated Queen		
4. Location of Well UNIT LETTER <u>F</u> LOCATED <u>1980</u> FEET FROM THE <u>North</u> LINE AND <u>1980</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>20</u> TWP. <u>18S</u> RGE. <u>35E</u> NMPM			11. County Lea		
19. Proposed Depth 5,000'			19A. Formation Queen		20. Rotary or C.T. Rotary
21. Elevations (Show whether Dr, RI, etc.) 3938.8		21A. Kind & Status Plug. Bond Statewide	21B. Drilling Contractor Collier Drilling Corp.		22. Approx. Date Work will start April 30, 1981

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12"	8 5/8"	28#	1100'	Cement with enough vol. to circ. cement to surface.	
7 7/8"	4 1/2"	10.5#	5000'	Cement with enough vol. to bring cement to base of salt.	

Plan to drill a Queen Test. Will set 1100' of 8 5/8", 28# casing and cement with enough volume to circulate cement back to surface. Plan to drill to T.D. of 5,000' and run the following logs: CNL-FDC and DLL log to evaluate pay zone.

Based on log evaluation, plan to run 5,000' of 4 1/2", 10.5# casing and cement with sufficient volume to bring cement to base of salt. Plan to pick perforations and evaluate treatment based on log and sample shows.

BOP: Shaeffer 10" 900,33000# Double Ram
Reagan 8" Annular

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 10/29/81
UNLESS DRILLING UNDERWAY

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 Donald R. Cray Title President Date April 27, 1981

(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT DATE 4/29/81

CONDITIONS OF APPROVAL, IF ANY: