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# NEW MEXICO OIL CONSERVATION COMMISSION

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.
B-10568

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input type="checkbox"/> DEEPEN <input checked="" type="checkbox"/> PLUG BACK <input type="checkbox"/>		8. Farm or Lease Name	
OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Injection Well <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		Artesia Metex Unit	
2. Name of Operator		9. Well No.	
Yates Drilling Company		6	
3. Address of Operator		10. Field and Pool, or Wildcat	
207 So. 4th St., Artesia, NM 88210		Artesia	
4. Location of Well		12. County	
UNIT LETTER K LOCATED 1650 FEET FROM THE South LINE		Eddy	
AND 2310 FEET FROM THE West LINE OF SEC. 24 TWP. 18S RGE. 27E NMPM			
19. Proposed Depth		19A. Formation	
2040		Grayburg	
20. Rotary or C.T. (Reverse Unit)		21. Elevations (Show whether DF, RT, etc.)	
Rotary Unit		3557 GR	
21A. Kind & Status Plug. Bond		21B. Drilling Contractor	
Blanket		Chase W.O. Unit w/ Reverse Unit	
22. Approx. Date Work will start		As soon as possible	

## PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
present 10"	8-5/8"	24#	498	50	Surface
present 7-7/8"	5 1/2"	15#	1959	50	1300
present 7-7/8 to 1990	none				
proposed 4-3/4" to 2040	none				

Present TD 1990. Open hole 1959-1990.

Presently injecting 40 BWPD at 1320 psi.

- Propose to:
- (1) Deepen well approximately 50' to 2040 TD to expose all Metex sands to injection in order to improve oil recovery at offset wells.
  - (2) Sand-water frac well w/40000 gallons gelled water in order to improve overall water injectivity.

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 Rayton Jones Title Engineer Date 11/30/77

(This space for State Use)

APPROVED BY W.A. Gressett TITLE SUPERVISOR, DISTRICT II DATE DEC 1 1977

CONDITIONS OF APPROVAL, IF ANY: