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NEW MEXICO OIL AND GAS COMMISSION

JUL 6 1976

O. C. C.
ARTESIA, OFFICE

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.
647

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 H-Y State "GH"	
2. Name of Operator Yates Petroleum Corporation		9. Well No. 1	
3. Address of Operator 207 South 4th Street - Artesia, NM 88210		10. Field and Pool, or Wildcat Undesignated	
4. Location of Well UNIT LETTER K LOCATED 1980 FEET FROM THE South LINE AND 1980 FEET FROM THE West LINE OF SEC. 31 TWP. 18S RGE. 28E NMPM		11. County Eddy	
19. Proposed Depth Approx. 10900'		19A. Formation Morrow	
20. Rotary or C.T. Rotary		21. Elevations (Show whether DF, RT, etc.)	
21A. Kind & Status Plug. Bond Blanket		21B. Drilling Contractor Ard Drilling Co.	
22. Approx. Date Work will start July 6, 1976			

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17½"	13-3/8"	48#	Approx. 400'	Circulate	
11" (12¼")	8-5/8"	24#	" 2050'	Circulate	
7-7/8"	5½ or 4½"	15.5-17# or 10.5-11.6#	" 10900'	300 sxs	

Propose to drill and test the Morrow and intermediate formations. Approx. 400' of surface casing will be set and cemented to surface and intermediate casing will be set in top of the San Andres, cement to cover the Queen. If commercial, will run 5½" or 4½" casin, perforate and stimulate as needed for production

Mud Program: - FW gel and LCM to 2050', FW to 6000', KCL wtr. to 7000'. Flosal-Drispak type mud to TD.

BOP Program: - BOP's and hydril will be installed on 8-5/8" casing and tested daily.

Gas acreage not dedicated

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED,

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PROPOSED 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 [Signature] Title Engineer Date 7-2-76

(This space for State Use)

APPROVED BY [Signature] TITLE OIL AND GAS INSPECTOR DATE JUL 6 1976

CONDITIONS OF APPROVAL, IF ANY:

Minimum WOC time 18 hrs.

Cement must be circulated to surface behind casing