

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

30-015-25848  
Form C-101  
Revised 10-1-78

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OPERATOR	<input checked="" type="checkbox"/>

5A. Indicate Type of Lease  
STATE ☒ FEDERAL ☐

5. State Oil & Gas Lease No.  
LG-3003

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		7. Unit Agreement Name
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name Richard Knob AEX State
2. Name of Operator Yates Petroleum Corporation		9. Well No. 1
3. Address of Operator 105 South Fourth Street - Artesia, NM 88210		10. Field and Pool or Wildcat Undes. Richard Knob
4. Location of Well UNIT LETTER G LOCATED 1980 FEET FROM THE North LINE AND 1980 FEET FROM THE East LINE OF SEC. 34 TWP. 17S RGE. 24E NMPM		12. County Eddy
15. Proposed Depth 8300'		19A. Formation Morrow
21. Elevations (show whether DF, KI, etc.) 3751.1' GR		20. Rotary or C.T. Rotary
21A. Kind & Status Plug. Bond Blanket		22. Approx. Date Work will start ASAP
21B. Drilling Contractor Undesignated		

23. 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"	54.5# J-55	Approx. 250'	250 sacks	Circulate
12-1/4"	8-5/8"	24# J-55	" 1100'	600 sacks	Circulate
7-7/8"	5-1/2"	15 & 17# J-55	TD	350 sacks	

We propose to drill and test the Morrow and intermediate formations. Approximately 250' of surface casing will be run and cement circulated to shut off gravel and cavings. Intermediate casing will be set 100' below the Artesian Water Zone and cemented to the surface. If commercial pay is encountered, we will run 5-1/2" casing and cement with 600' of cover, perforate and stimulate as needed for production.

MUD PROGRAM: FW gel and LCM to 1000', fresh water to 3850', KCL water to 6000', starch/drispak/KCL to 7100', flosal/drispak/KCL mud to TD. MW 8.8-9.0, Vis 34-39, WL 10-7

BOP PROGRAM: BOP's and hydril on 8-5/8" casing and tested pipe rams daily for operational, Yellow Jacket prior to drilling Wolfcamp

GAS NOT DEDICATED

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 Clifton R. May Title REGULATORY AGENT Date 12-23-87

(This space for State Use)

Original Signed By

Mike Williams

APPROVED BY

Oil & Gas Inspector

TITLE

DATE

DEC 28 1987

CONDITIONS OF APPROVAL.

137612/Leasing