

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

IL CONSERVATION DIVISIO  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

30 025 30400  
Form C-101  
Revised 10-1-78

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SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5A. Indicate Type of Lease  
STATE ☒ FEE ☐  
5. State Oil & Gas Lease No.  
LG-5182

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 Echols State Unit	
b. Type of Well 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 Echols State Unit	
2. Name of Operator Yates Petroleum Corporation		9. Well No. 3	
3. Address of Operator 105 South Fourth Street, Artesia, New Mexico 88210		10. Field and Pool, or Wildcat E. Echols Devonian	
4. Location of Well UNIT LETTER <u>NM</u> LOCATED <u>330</u> FEET FROM THE <u>South</u> LINE AND <u>990</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>9</u> TWP. <u>11S</u> RGE. <u>38E</u> NMPM		12. County Lea	
19. Proposed Depth 12600'		19A. Formation Devonian	
20. Rotary or C-T. Rotary		21. Elevations (show whether DF, KT, etc.) 3903.7' GR	
21A. Kind & Status Plug. Bond Blanket		21B. Drilling Contractor Undesignated	
22. Approx. Date Work will start ASAP			

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. 400'	450 sacks	Circulate
11"	8-5/8"	32# J-55	Approx. 4450'	2400 sacks	Circulate
7-7/8"	5-1/2"	17# N-80 & J-55	12600'	300 sacks	

Will drill and test the Devonian and intermediate formations. Approximately 400' of surface casing will be run and cement circulated. Intermediate casing will be set at approximately 4450' and cemented to surface. If commercial pay is encountered, 5-1/2" casing will be run to TD and cemented with adequate cover, perforated and stimulated as needed for production.

MUD PROGRAM: FW gel, native mud to 400', 10# brine to 4450', cut brine, SW gel to TD

BOP PROGRAM: BOP's will be installed on 8-5/8" casing and tested daily for operational

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 Permit Agent Date June 1, 1988

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON  
DISTRICT 1 SUPERVISOR

APPROVED BY DISTRICT 1 SUPERVISOR TITLE  DATE JUN 1 1988

CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval  
Date Unless Drilling Underway.

RECEIVED

JUN 1 1988

OCD  
HOBBS OFFICE