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# NEW MEXICO OIL CONSERVATION COMMISSION

NOV 2 1979

O. C. C.  
ARTESIA, OFFICE

30-005-60613  
Form C-101  
Revised 1-4-65

5A. Indicate Type of Lease	STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
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5. State Oil & Gas Lease No.  
L 5242

## 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"/>		Willow Creek	
DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		8. Farm or Lease Name Willow Creek unit	
2. Name of Operator Yates Petroleum Corporation ✓		9. Well No. 1	
3. Address of Operator 207 South 4th Street, Artesia, New Mexico 88210		10. Field and Pool, or Wildcat Wildcat	
4. Location of Well UNIT LETTER G LOCATED 1980 FEET FROM THE North LINE AND 1980 FEET FROM THE East LINE OF SEC. 16 TWP. 4S RGE. 25 E NMPM		12. County Chaves	
21. Elevations (Show whether DF, RT, etc.) 3439.8 GL		19. Proposed Depth 5750'	
21A. Kind & Status Plug. Bond Blanket		19A. Formation Granite Wash	
21B. Drilling Contractor L & M Drilling Co.		20. Rotary or C.T. Rotary	
22. Approx. Date Work will start As soon as approved			

## 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"	48# J-55	Approx. 350'	350	Circulated
12 1/4"	8 5/8"	24# J-55	Approx. 1550'	800	Circulated
8 3/4" or 7 7/8"	5 1/2 or 4 1/2"	15.5 or 10.5#	TD	250	

We propose to drill and test the granite wash and intermediate formations. Approximately 350' of surface casing will be set and cement circulated to shut off gravel and caving. Casing will be set 100' below the water zone. If commercial, 5 1/2 or 4 1/2" production casing will be run and cemented with adequate cover, perforate and stimulate as needed for production.

Mud Program : FW gel and LCM to 1550'; Brine KCL to 3200'; KCL Drispak & Starch to 4300'; flosal-driskpak KCL to TD. MW 10-10.2, Vis 34-39, WL 14-7

BOP Program: BOP's will be installed on 8 5/8" casing and tested daily  
GAS NOT DEDICATED

APPROVAL VALID FOR 90 DAYS UNLESS DRILLING COMMENCED,  
EXPIRES 2-5-80

ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTION 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.

igned Alvinis Rodriguez Title Geographer Date 11/2/79  
(This space for State Use)

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE NOV 5 1979

CONDITIONS OF APPROVAL, IF ANY:

surface behind 13 3/8" 8 7/8" casing