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NEW MEXICO OIL CONSERVATION COMMISSION

MAR 22 1978

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 b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		7. Unit Agreement Name
2. Name of Operator Yates Petroleum Corporation ✓		8. Firm or Lease Name HY State GH Com
3. Address of Operator 207 So. 4th Street		9. Well No. 1
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		10. Field and Pool, or Wildcat Wildcat
11. County Eddy		
19. Proposed Depth		19A. Formation Wolfcamp
20. Recovery or C.I.		
21. Elevations (Show whether DF, RT, etc.) 3548 GR = 3565 KB	21A. Kind & Status Plug. Bond Blanket	21B. Drilling Contractor Soon as approved

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#	404'	250	Circ.
12¼	8 5/8	24#	2400'	850	Circ.
7 7/8	5 1/2	17#	10562'	400	8210'

Morrow perfs 10414-10420 was squeezed and the zone reperforated at 10414-10416. The hole filled up with water, zone 10294-10300 has been tested and is depleted. We propose to abandon the Morrow and plugback to the Canyon of Wolfcamp. A cast iron bridge plug will be set at 10250 with ^{*35'} 10' cement on top, then perforate and stimulate as needed at selected intervals 8902-9018 or at 8072-8173. Return well to production.

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 Eddie L. Mather Title Engineer Date March 21, 1978

(This space for State Use)

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE MAR 28 1978

CONDITIONS OF APPROVAL, IF ANY:

* as noted