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# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65

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

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/>		Duncan Unit	
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	
2. Name of Operator Harvey E. Yates Company		9. Well No. 2	
3. Address of Operator P. O. Box 1933, Roswell, New Mexico 88201		10. Field and Pool, or Wildcat Wildcat	
4. Location of Well UNIT LETTER <u>F</u> LOCATED <u>1980</u> FEET FROM THE <u>North</u> LINE AND <u>1980</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>26</u> TWP. <u>13S</u> RGE. <u>35E</u> NMPM		12. County Lea	
19. Proposed Depth 13337		19A. Formation Bough	20. Rotary or C.T. PU
21. Elevations (Show whether D.P., K.I., etc.) 4019.6	21A. Kind & Status Plug. Bond \$50,000 Blanket	21B. Drilling Contractor	22. Approx. Date Work will start As soon as possible

## 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	64	360'	400 sxs	Surface
11	8 5/8	32, 28, 24#	4515'	1830 sxs	Surface
7 7/8	5 1/2	20, 17	13591'	900 sxs	10555

## PROCEDURE:

1. Set CIBP @ 13,412' (50' above current perms) w/35' cmt on top.
2. Perf 4 shots at 10,450' and establish circ.
3. Set cmt retainer @ 10,400'.
4. Pump enough cmt to cover 600' above zone of interest at 10,242'.
5. Run CCL/CBL over zone.
6. Perf 2 JSPF from 10,242' to 10,244' (5 holes).
7. Breakdown w/500 gal 20% HCL w/phosphates, EDTa, and Non-Ionic Surfactants.
8. Swab to recover load.
9. Run rods and pump.
10. Put on pump and turn over to pumper.

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 J. M. Yates Title Drilling Supervisor Date 3/28/85

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON

APPROVED BY DISTRICT 1 SUPERVISOR TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:

APR - 1 1985

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MAR 29 1985

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