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NEW MEXICO OIL CONVERSION COMMISSION

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JAN 12 1978

O.C.C. ALBUQUERQUE OFFICE

30-015-22400

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. E-4201
7. Unit Agreement Name <i>Empire South Deep</i>
8. Farm or Lease Name Empire South Deep Unit
9. Well No. 18
10. Field and Pool, or Wildcat <i>Empire morrow</i> Undesignated
12. County Eddy
19. Proposed Depth 11,000
19A. Formation Morrow
20. Rotary or C.T. Rotary
21A. Kind & Status Plug. Bond \$50,000 Blanket
21B. Drilling Contractor Moranco
22. Approx. Date Work will start January 25, 1978

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

a. Type of Work
DRILL DEEPEN PLUG BACK

b. Type of Well
OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

c. Name of Operator
Harvey E. Yates Company (Agent for Amoco Production Co. - Unit Operator)

d. Address of Operator
P. O. Box 1933, Roswell, N. M. 88201

e. Location of Well
UNIT LETTER F LOCATED 1980 FEET FROM THE North LINE
NO. 1980 FEET FROM THE West LINE OF SEC. 30 TWP. 17S RGE. 29E NMPM

f. Elevations (Show whether DF, RT, etc.)
3643.4' GL

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
15"	12 3/4"	30#	* 400 325'	250 Sx	
11"	8 5/8"	24#, 28#	2900'	1200 Sx	
7 7/8"	5 1/2"	17#	11,000'	1200 Sx	** 5500

Gas under this proration unit has not been dedicated to a purchaser.

APPROVAL VALID FOR 90 DAYS UNLESS DRILLING COMMENCED,

EXPIRES 4-18-78

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.

Signed David G. Yates Title Vice President Date December 23, 1977
(This space for State Use)

APPROVED BY W.A. Gressett TITLE SUPERVISOR, DISTRICT 4 DATE JAN 19 1978

CONDITIONS OF APPROVAL, IF ANY:
* as noted
** " "

Cement must be circulated to surface behind 12 3/4" + 8 5/8" casing