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NEW MEXICO OIL CONSERVATION COMMISSION

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JAN 12 1978

O.C.C.
OFFICE

30-015-22400

Form C-101
Revised 1-1-65

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK		5A. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. Type of Work a. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		5. State Oil & Gas Lease No. E-4201
7. Name of Operator Harvey E. Yates Company (Agent for Amoco Production Co. - Unit Operator)		7. Unit Agreement Name Empire South Deep
8. Address of Operator P. O. Box 1933, Roswell, N. M. 88201		8. Farm or Lease Name Empire South Deep Unit
9. Location of Well UNIT LETTER F LOCATED 1980 FEET FROM THE North LINE 1980 FEET FROM THE West LINE OF SEC. 30 TWP. 17S RGE. 29E NMPM		9. Well No. 18
10. Field and Pool, or Wildcat Undesignated		10. Field and Pool, or Wildcat Undesignated
11. County Eddy		11. County Eddy
12. Proposed Depth 11,000		12. Proposed Depth 11,000
13. Formation Morrow		13. Formation Morrow
14. Rotary or C.T. Rotary		14. Rotary or C.T. Rotary
15. Elevations (Show whether DF, RT, etc.) 3643.4' GL		15. Elevations (Show whether DF, RT, etc.) 3643.4' GL
16. Kind & Status Plug. Bond \$50,000 Blanket		16. Kind & Status Plug. Bond \$50,000 Blanket
17. Drilling Contractor Moranco		17. Drilling Contractor Moranco
18. Approx. Date Work will start January 25, 1978		18. Approx. Date Work will start January 25, 1978

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 Frank 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