

30-015-23476

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NEW MEXICO OIL CONSERVATION COMMISSION  
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Form C-101  
Revised 1-1-65

SEP 8 1980

O. C. D.

ARTESIA OFFICE

5A. Indicate Type of Lease	
STATE <input checked="" type="checkbox"/>	FEE <input 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 type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		Empire South Deep Unit	
2. Name of Operator		8. Farm or Lease Name	
Amoco Production Company		Empire South Deep Unit	
3. Address of Operator		9. Well No.	
P. O. Box 68 - Hobbs, NM 88240		21	
4. Location of Well		10. Field and Pool, or Wildcat	
UNIT LETTER A LOCATED 660' FEET FROM THE North LINE		South Empire Morrow	
AND 660' FEET FROM THE East LINE OF SEC. 36 TWP 17-S RGE. 28-E NMPM		12. County	
		Eddy	
19. Proposed Depth		19A. Formation	20. Rotary or C.T.
11200'		Morrow	Rotary
21. Elevations (Show whether DT, RT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
3678.1 GL	Blanket - on - file	NA	9-8-80

23.

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#	* 400' 450'	Circ.	Surface
11" or 12 1/4"	8 5/8"	36#	2900'	Circ.	Surface
7 7/8"	5 1/2"	17#, 20#	11200'	Tie back to 8 5/8"	Bottom 8 5/8"

Propose to drill and equip well in the Morrow formation. After reaching TD, logs will be run and evaluated; perforate and stimulate as necessary in attempting commercial production.

Mud Program: 0 - 400' Native mud and fresh water  
400 - 2900' Native mud and brine  
2900 - TD Commercial mud and brine with minimum properties for safe hole conditions.

BOP Program Attached  
Gas is not dedicated

APPROVAL VALID  
FOR 90 DAYS UNLESS  
DRILLING COMMENCED,

EXPIRES 12-17-80

0-4 E. NMOC D. A 1-Hou 1-Susp 1-LBG 1-W. Stafford, Hou 1-Conoco 1-Yates  
1-R. 4 E. Boring 1-Cities Svc. 1-Bright

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 Bob Davis Title Administrative Analyst Date 9-4-80

(This space for State Use)

APPROVED BY W.A. Gasset TITLE SUPERVISOR, DISTRICT II DATE SEP 17 1980

CONDITIONS OF APPROVAL, IF ANY:

\* as noted  
Notify this office if water flow is encountered