

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-101
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

API NO. (assigned by OCD on New Wells)

30-015-21947

5. Indicate Type of Lease

STATE ☐

FEE ☒

6. State Oil & Gas Lease No.

FEB -8 '90

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:

DRILL ☐

RE-ENTER ☐

DEEPEN ☐

PLUG BACK ☒

b. Type of Well:

OIL WELL ☐ GAS WELL ☒ OTHER ☐

SINGLE ZONE ☒

MULTIPLE ZONE ☐

7. Lease Name or Unit Agreement Name

Empire South Deep Unit

2. Name of Operator

Amoco Production Company

8. Well No.

12

3. Address of Operator

P. O. Box 3092 Houston, TX 77253

9. Pool name or Wildcat

Undesignated - Atoka

4. Well Location

Unit Letter K : 1980 Feet From The South Line and 2120 Feet From The West Line

Section 5 Township 18-S Range 29-E NMPM Eddy County

10. Proposed Depth

TD 11,165'-Atoka 10,200'

11. Formation

Atoka

12. Rotary or C.T.

Rotary

13. Elevations (Show whether DF, RT, GR, etc.)

3567 GL

14. Kind & Status Plug. Bond

Blanket on File

15. Drilling Contractor

N.A.

16. Approx. Date Work will start

2-26-90

17.

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#	425'	400	Surface
12 1/4"	9 5/8"	32.3-36#	2900'	2275	Surface
7 7/8"	5 1/2"	15.5-17#	11165'	2225	3870

1. Rig up service unit and pull out of hole with production equipment.
2. Set cast iron bridge plug at 10,600 feet and cap with 35 feet of Class H cement.
3. Load hole with 2% KCL water.
4. Perforate 10191'-10212' at 4 jet shots per foot with casing gun.
5. Run in hole with shear disk and packer and tubing dry.
Set packer at 10140'.
6. Drop bar to shear disk and test.
7. If non-productive, acidize with 2000 gallons 7.5% MS acid with 1000 SCF N₂ per barrel. Displace to end of tubing. Pressure backside as needed.
8. Flow to test.

APPROVAL TO DRILL FOR 180 DAYS
PLUG BACK 8/13/90
UNLESS DRILLING UNDERWAY

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.

SIGNATURE H. I. Black TITLE Staff Admin. Analyst DATE 2-5-90

TYPE OR PRINT NAME H. I. Black Rm. 20.164 TELEPHONE NO. 713/584-7213

(This space for State Use)

ORIGINAL SIGNED BY
MIKE WILLIAMS
SUPERVISOR, DISTRICT II

APPROVED BY _____ TITLE _____ DATE FEB 13 1990

CONDITIONS OF APPROVAL, IF ANY: