

IL CONSERVATION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501  
**RECEIVED**  
**JUN 27 1984**  
O. C. D.  
ARTESIA, OFFICE

Form C-101  
Revised 10-1-78

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OPERATOR	<input checked="" type="checkbox"/>

5A. Indicate Type of Lease  
STATE ☒ FEE ☐  
6. State Oil & Gas Lease No.  
L-6368

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

1a. Type of Work

b. Type of Well

DRILL ☐DEEPEN ☐PLUG BACK ☒OIL WELL ☒GAS WELL ☐

OTHER

SINGLE ZONE ☐MULTIPLE ZONE ☐

2. Name of Operator

AMOCO PRODUCTION COMPANY ☒

3. Address of Operator

P.O. BOX 68 HOBBS, NM 88240

4. Location of Well

UNIT LETTER K

LOCATED 1980

FEET FROM THE South

LINE

AND 1980 FEET FROM THE West

LINE OF SEC. 9

TWP. 22-S

RGE. 26-E

NADP

7. Unit Agreement Name

8. Farm or Lease Name

Lancaster Spring Unit

9. Well No.

2

10. Field and Pool, or Wildcat  
Und. Delaware12. County  
Eddy

11. Elevations (Show whether DT, HI, etc.)

3353.6' GL

21A. Kind &amp; Status Plug. bond

Blanket-on-file

19. Proposed Depth

5,000'

19A. Formation

Delaware

20. Rotary or C.T.

Rotary

21B. Drilling Contractor

N/A

22. Approx. Date Work will start

## 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#	726'	300 Thixset, 1100'C	Surf
12 1/4"	9 5/8"	36#	2905'	400 Ouset, 900'C	750LT. Surf
8 3/4"	5 1/2"	17,20,23#	11525'	1300 'H', 1950 Trinity	
				Lt. 100 'C' Neat	1520'

Propose to recompleate from the Wolfcamp to the Delaware as follows:  
Kill well with 2% KCl fresh water. Release pkr., lower tailpipe to PBID ( $\pm$  10615'), and spot gel from 10615'-9730'. Spot a 100' plug of class 'H' neat cmt. from 9730-9630' (this will put a 100' plug across top of Penn) POH with tbq., pkr., and tailpipe. RIH with CIBP, set at -9200', cap with 35' of class 'H' neat cmt. Spot gel from 9200'-7200'. Spot a 100' plug of class 'H' neat cmt from 7200-7100'. Spot gel from 7100' to 5100'. Spot a 100' plug of class 'C' neat cmt from 5100'-5000'. POH with tbq. Run correlation strip W/CCL from 4900'-4400'. RIH with 3 1/8" casing gun and perf Delaware 4662-4692' W/4JSPF. RIH with pkr (land at 4500'), bypass valve, and tbq to surface. Swab and determine productivity. If necessary stimulate as follows: Run before GR/Temp survey from 4900-4400'. Pump 1500 gals of 7 1/2% Hcl acid w/add. and tag acid with R/A material. Flush acid to bottom perf with 21bbbls of fresh 2% KCl water. Run after treatment survey from 4900-4400' Swab and evaluate. If acid survey indicates channeling, a supp. brief will follow to squeeze and reperf. (con't) 0+5 NMOCDA 1-J.R. Barnett,Hou 1-F.J.Nash,Hou 1-GCC 1-POGO

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.

by Larry C. Clark Title Asst. Admin. Analyst

Date 6-22-84

(This space for State Use)

APPROVED BY Mike Wilson TITLE OTL AND OAD INSPECTOR

DATE JUN 28 1984

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL VALID FOR 180 DAYS  
PERMIT EXPIRES 12-29-84  
UNLESS DRILLING UNDERWAY

If productivity is not satisfactory fracture as follows: Run before treatment survey from 5000'-4500'. Pump 3100 gals of 40# gel, 3100 gals methanol, 357,140 (SCF) of N<sub>2</sub>, and 30,000# 12/20 ottowa sand. Flush with 140 gal of 40# gel, 140 gal methanol, and 20,000 (scf) of N<sub>2</sub>. Flow back well and swab as necessary. After load is recovered, load tbg. with 2% KCl<sup>2</sup> fresh water. Release pkr. and POH with tbg. and pkr. RIH with tbg. with seating nipple one joint off bottom. Land tbg at 4750' and seating nipple set at 4720'. Run pump and rods and begin pump testing.