

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5A. Indicate Type of Lease
STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.
LG-1044

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work	7. Unit Agreement Name
b. Type of Well DRILL <input type="checkbox"/> DEEPEN <input checked="" type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Recompletion SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>	8. Farm or Lease Name State HU
2. Name of Operator AMOCO PRODUCTION COMPANY	9. Well No. 1
3. Address of Operator P. O. Box 68, Hobbs, NM 88240	10. Field and Pool, or Wildcat North Lusk Bone Springs
4. Location of Well UNIT LETTER J LOCATED 1980 FEET FROM THE South LINE AND 1980 FEET FROM THE East LINE OF SEC. 32 TWP. 18-S RGE. 32-E NMPM	11. Undesignated
12. County Lea	
19. Proposed Depth 10,000	19A. Formation Bone Springs
20. Rotary or C.T. rotary	
21. Elevations (Show whether DF, HI, etc.) 3690.2' GL	21A. Kind & Status Plug. bond blanket-On-file
21B. Drilling Contractor N/A	22. Approx. Date Work will start N/A

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#	428'	425 sx class C	surface
12-1/4"	9-5/8"	40#	4245'	2000 sx lite, 200 class C surf.	
8-3/4"	5-1/2"	23, 17, 20#	13110'	1860 sx lite, 1130 TCMT 4215' sx class H	

Propose to abandon the Grayburg formation and recomplate to the Bone Springs as follows: Kill well with 10# brine water. POH with rods, pump, and tubing. Tubing landed at 4780'. RIH with cement retainer and set at 4550'. Squeeze perfs 4668'-86' and 4708'-80' with 200 sx class C neat. Reverse out excess cement. Drill out to 4800' and pressure test squeeze to 1000 psi, resqueeze if necessary. Drill out mud and cement plug (6500'-6711') to 10000'. Circulated hole clean with brine water (10ppg). Run cement bond log from 9900'-8900' and 500'-300'. Perforate Bone Springs interval 9370'-9420' with a 3-1/8" hollow carrier casing gun using 4 JSPF. RIH with 3 joints tailpipe, packer, and 2-3/8" tubing to surface. Set packer at 9170'. Swab and flow test well. Run Base GR/Temperature survey from 9100'-9650'. Acidize with 6000 gals of 15% NEFE HCL acid w/additives. Flush to perfs with 43 bbl brine water. Run after treatment survey from 9100'-9650'. Swab and evaluate. Supplemental brief will follow with pump design.

O+5-NMOCD, H 1-J. R. Barnett, HOU Rm. 21.156 1-F. J. Nash, HOU Rm. 4.206 1-GCC

4 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.

hereby certify that the information above is true and complete to the best of my knowledge and belief.

signed Mary C. Clark Title Assist. Admin. Analyst Date 4-2 -84

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT 1 SUPERVISOR

APPROVED BY _____ TITLE _____ DATE APR 27 1984

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED
APR 26 1984
O.C.D.
HOBBS OFFICE