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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 type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> 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 Watkins Yates, Seven Rivers Queen Grayburg		
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	12. County Lea		
19. Proposed Depth 6500'	19A. Formation Grayburg	20. Rotary or C.T. Rotary	
21. Elevations (show whether DF, K1, 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

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#	428'	425 sx C1 C	Surface
12-1/4"	9-5/8"	40#	4245'	2000 sx lite, 200sx C1 C	Surface
8-3/4"	5-1/2"	23,17,20#	13110'	1860 sxlt, 1130sx C1 H TCMT	4215

Propose to abandon the Morrow and recomplete to the Grayburg formation per the following:
Move in service unit and kill well with brine water. Release packer set at 12,541' and POH with tubing and packer. Run pipe recovery log from 6000'-3000' to determine casing free point. RIH with CIBP and set at 12,250'. Cap with 25 sx class H neat cement through tubing. Spot a cement plug from 10,400 '-10,200' with 25 sx class H neat cement. Spot a cement plug from 6700'-6500' with 25 sx class H neat cement. Circulate hole clean with 2% KCL brine water. (Top of Bone Springs 6684'.) Note: Mud will be placed between plugs. Minimum consistency of plugging mud must be that obtained by mixing at the rate of 25 sx of gel/100 bbls of water. Run gamma ray correlaton log from 2800'-4900'. Perforate Grayburg intervals 4668'-86' and 4708'-80' with a 3-1/8" hollow carrier casing gun with 2 DPJSPF utilizing 90° or 120° phasing. RIH with 3 jt of tailpipe, packer, and 2-3/8" tubing. Set packer at 4480'. Acidize well with 12,900 gal 15% NEFE HCL acid with additives. Flush with 1020 gals of 2% KCL brine water. Swab and flow test to determine productivity. After testing of this zone, kill well with 2% KCL brine water. Release packer and POH with tubing and packer. Perforate Grayburg intervals 0+6-NMOCD, H 1-R. E. Ogden, HOU Rm. 21.150 1-F. J. Nash, HOU Rm. 4.206 1-CMH

(OVER)

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 Charles M. Herring Title Administrative Analyst Date 1-3-84

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT I SUPERVISOR

APPROVED BY _____ TITLE _____

DATE

CONDITIONS OF APPROVAL, IF ANY:

JAN 4 1984

4426'-34' and 4462'-80' with a 3-1/8" hollow carrier casing gun with 2 DPJSPF utilizing 90° or 120° phasing. RIH with RBP, 3 jt. of tailpipe with RBP retrieving head on bottom, packer, and 2-3/8" tubing. Set RBP at apx. 4600'. Set packer at 4200'. Acidize well with 3900 gals 15% NEFE HCL acid with additives. Flush acid to perfs with 1020 gals 2% KCL brine water. Swab and flow test well to determine the productivity of this zone.

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