

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

N. M. (Other Instruct reverse side)  
HOBBS, NEW MEXICO 88240

LEASE DESIGNATION AND SERIAL NO.  
NM-13647  
AGREEMENT NAME  
FARM OR LEASE NAME  
WELL NO.  
FIELD AND POOL, OR WILDCAT  
SEC. T. R. M. OR BLM  
AND SURVEY OR AREA  
COUNTY OR PARISH  
STATE

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL  DEEPEN  PLUG BACK

b. TYPE OF WELL  
 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, New Mexico 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface 1980' FSL X 1980' FEL, Sec. 6  
 At proposed prod. zone (Unit J, NW/4, SE/4)

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 23 miles SW of Jal, NM

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
 16. NO. OF ACRES IN LEASE  
 17. NO. OF ACRES ASSIGNED TO THIS WELL  
 320

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 19. PROPOSED DEPTH  
 20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 22. APPROX. DATE WORK WILL START\*

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26	20	133	1017	1320 SX lite, 450 SX CI C
17-1/2	13-3/8	68.72	5392	5230 SX lite, 700 SX CI C
12-1/4	9-5/8	53.5	12850	3725 SX lite, 500 SX CI H
8-1/2	7"		15765-12362	775 SX CI H
5-3/4	4-1/2		15185-16543	200 SX CI H

Propose to abandon the Morrow intervals 15658-15668 and recomple to the Strawn as follows:

Move in service unit. Load hole with 10# 2% KCL brine water. Release packer and gull tubing, packer, and Vann gun assembly. Set CIBP at 15628' and cap with 50' of clay cement. Run in hole with 7" packer with on-off tool and 1.875 profile nipple. Run 1 joint of 2-7/8" tubing as tailpipe with Vann perforating tools on bottom. Run 2-7/8" tubing to surface. Swab well down 3000'. Drop bar and perforate Strawn interval 14,570'-587' with 4 JSPF. Flow and swab test well. If well will not flow acidize with 2000 gallons 7-1/2% MS acid. Flush with 3540 gallons of 2% KCL brine water. Flow and swab test well.

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. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Mark Luman TITLE Assist. Admin. Analyst DATE 12-6-82

(This space for Federal or State office use)  
 APPROVED  
 PERMIT NO. (Orig. Sgd.) PETER W. CHESTER  
 APPROVED BY DEC 8 1982  
 CONDITIONS OF APPROVAL, IF ANY.  
 FOR JAMES A. GILLHAM DISTRICT SUPERVISOR

APPROVAL DATE  
 TITLE  
 DATE  
 \*See Instructions On Reverse Side