

C:SF

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

30-015-23307

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 **N.M.O.C.D.**
 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 2310' FNL & 430' FWL, Sec. 20 (Unit E, SW/4 NW/4)
 At proposed prod. zone
 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 14 miles South - Southeast of Malaga 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
 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 19. PROPOSED DEPTH
 3500'
 20. ROTARY OR CABLE TOOLS
 Rotary
 21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 3007.6 GR
 22. APPROX. DATE WORK WILL START*
 5-1-80

5. LEASE DESIGNATION AND SERIAL NO.
 NM-20370 16814
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 7. UNIT AGREEMENT NAME
 8. FARM OR LEASE NAME
 Federal AY
 9. WELL NO.
 1
 10. FIELD AND POOL, OR WILDCAT
 Wildcat
 Brushy Draw Delaware
 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 20-26-30
 12. COUNTY OR PARISH
 Eddy
 13. STATE
 NM

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 3/8"	40#	600'	Circ to surf.
8 3/4"	7"	20#, 23#, or 26#	3500'	Circ to Surf.

Propose to drill and equip well in the Delaware zone. After reaching TD logs will be run and evaluated; perforate and/or stimulate as necessary in attempting commercial production.

Mud Program: 0' - 600' native mud and fresh water.
 600' - 3500' commercial mud and brine with minimum properties for safe hole conditions.

BOP Program Attached
 Archaeological Survey Attached

RECEIVED

APR 8 1980

**U.S. GEOLOGICAL SURVEY
 ARTESIA, NEW MEXICO**

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present well, and 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 Bob Davis TITLE Admin. Analyst DATE 4-7-80

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE 4-24-80

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

0 + 5 USGS - A 1 - Hou 1 - Susp 1-BD

*See Instructions On Reverse Side