

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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. Drawer "A", Levelland, Texas 79336

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface 1980' FNL & 1650' FEL, Sec. 27, (Unit G, SW $\frac{1}{4}$, NE $\frac{1}{4}$)
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 282. miles SW of Hobbs NM

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 3623.2 GR

16. NO. OF ACRES IN LEASE
 19. PROPOSED DEPTH
 14,500'

17. NO. OF ACRES ASSIGNED TO THIS WELL
 320
 20. ROTARY OR CABLE TOOLS
 Rotary

22. APPROX. DATE WORK WILL START*
 3-1-79

5. LEASE DESIGNATION AND SERIAL NO.
 NM-10601

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Federal "Y" Com

9. WELL NO.
 1

10. FIELD AND POOL, OR WILDCAT
 WC Morrow (A/D)

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 27-20-33

12. COUNTY OR PARISH
 Lea

13. STATE
 NM

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	48#	1500'	Circulate to Surface
12 1/4"	9 5/8"	36#	5600'	Tie back to 13 3/8"
7 7/8"	5 1/2"	20#	14500'	Tie back to 9 5/8"

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

Mud Program: 0 - 1500' Native mud and fresh water.
 1500' - 5600' Native mud and brine.
 5600' - 14500' Add KCL for 6% system. Use brine for make up water. At 13,000, raise viscosity and reduce water loss to 6.0 cc for Morrow penetration.

BOP program attached.
 Gas is not dedicated.

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 Randy Atkins TITLE Administrative Analyst DATE February 1, 1979

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

- 0+5-USGS-H
 - 1-Div
 - 1-Susp
 - 1-RWA
 - 1-Supron
 - 1-Arco
 - 1-USGS-
 - 1-USGS,
 - 1-USGS, Albuq
 - 1-Grace Pet
- See Instructions On Reverse Side

RECEIVED
 FEB 1 1979
 U.S. GEOLOGICAL SURVEY
 HOBBS, NEW MEXICO