

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' FSL X 1980' FEL, Sec. 12, (Unit J NW/4 SE/4  
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
20 miles southeast of Maljamar, NM

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drg. 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

20. ROTARY OR CABLE TOOLS

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
3649.5 GR

22. APPROXIMATE DATE WORK WILL START  
6-25-78

5. LEASE DESIGNATION AND SERIAL NO.  
NM 01235-D

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Bondurant Federal

9. WELL NO.  
5

10. FIELD AND POOL, OR WILDCAT  
UNDESIGNATED  
West Tonto Penn-Morrow

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
12-19-32

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"	54.5#	450'	Circulate
12 1/4"	9 5/8"	40#	5000'	Circulate
8 3/4"	5 1/2"	15.5#, 17#	14000'	Tie back to 9 5/8"

Propose to drill and equip well in the Morrow formation. After reaching TD logs will be run and evaluate; perforate and stimulate as necessary in attempting commercial production.

Mud program: 0' - 450' - Native mud x fresh water  
450' - 5000' - Commercial mud and brine water to maintain good hole condition.  
5000' - 12500' - Commercial mud and cut brine water.  
12500' - 14000' - Commercial mud w/KCL for 6% system and cut brine water.

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

BOP program attached..  
Gas is not dedicated.  
Archaeological Clearance Report Attached.

"APPROVAL TO FLARE GRANTED WHILE DRILLING AND TESTING."  
Unless Drilling Operations have Commenced, this drilling approval Expires 9-20-78

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 reventer program, if any.

SIGNED D. R. Elmer TITLE Admin. Analyst (SG) DATE 5-26-78

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY TITLE

CONDITIONS OF APPROVAL, IF ANY:

- 0+5-USGS-H
- 1-Div
- 1-Susp
- 1-RC

734  
16/25

\*See Instructions On Reverse Side

APPROVED  
AS AMENDED  
JUN 20 1978  
O. A. L.  
ACTING DISTRICT ENGINEER