

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 2310' FSL X 1980' FEL, Section 13, (Unit J NW $\frac{1}{4}$  SE $\frac{1}{4}$ )  
 At proposed prod. zone

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

16. NO. OF ACRES IN LEASE  
 960

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 40

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 3350'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 3628.5 GR

22. APPROX. DATE WORK WILL START\*  
 5-1-78

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.  
 4

10. FIELD AND POOL, OR WILDCAT  
 West Tonto Yates 7-River

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 13-19-32

12. COUNTY OR PARISH  
 Lea

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"	8-5/8"	32#	350'	Circulate
7-7/8"	5-1/2"	15.5#, 17#	3350'	Circulate

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

Mud Program: 0' - 350' - Native mud x fresh water  
 350' - 3350' - Commercial mud and brine water to maintain good hole condition

BOP Program attached.

"APPROVAL TO FLARE GRANTED WHILE DRILLING AND TESTING."

SEE ATTACHED FOR CONDITIONS OF APPROVAL

Unless Drilling Operations are discontinued, this drilling permit expires \_\_\_\_\_

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 Ray W. Cox TITLE Administrative Supervisor DATE April 14, 1978

(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

\*See Instructions On Reverse Side

APPROVED AS AMENDED  
 MAY 11 1978  
 C. A. I.  
 ACTING DISTRICT ENGINEER