

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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 Injector SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 Amoco Production Company

3. ADDRESS OF OPERATOR
 P. O. Box 3092, Houston, TX 77253

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface: 2500 FNL X 2524 FEL G
 At proposed prod. zone

5. LEASE DESIGNATION AND SERIAL NO.
 NM 0321613

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 South Mattix Unit Federal

9. WELL NO.
 43

10. FIELD AND POOL, OR WILDCAT
 Fowler (Upper Yeso)

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 15, T-24-S, R-37-E, NMPM

12. COUNTY OR PARISH 13. STATE
 Lea NM

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 7 miles NE of Jal, New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
 2500'

16. NO. OF ACRES IN LEASE

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.

19. PROPOSED DEPTH
 5600'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 3243.9' GR

22. APPROX. DATE WORK WILL START*
 11/13/91

23. PROPOSED CASING AND CEMENTING PROGRAM Capitan Controlled Water Basin

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	32#	1200'	900 sx Class "C" DISCULATE
7-7/8"	5-1/2"	15.5#	5600'	1350 sx Class "C" / POZ CIRCULATE

Propose to drill & equip well in Lower Paddock & Blinbry formations. After reaching TD, logs will be run & evaluated. Perforate & stimulate as necessary in attempting reservoir injection.

Mud Program: 0-1250' Fresh water & native mud.
 1250'-TD Brine water/salt gel mud.

APPROVAL SUBJECT TO
 GENERAL REQUIREMENTS AND
 SPECIAL SPECIFICATIONS
 ATTACHED

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.

SIGNED Kim A. Colvin TITLE Asst. Admin. Analyst DATE 10/14/91

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE 12-2-91

CONDITIONS OF APPROVAL: INJECTION AND UNORTH. LOCATION:

Subject to
 Like Approval
 by State

*See Instructions On Reverse Side