

UNITED STATES  
DEPARTMENT OF THE INTERIOR

## GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		7. UNIT AGREEMENT NAME South Mattix Unit	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		8. FARM OR LEASE NAME South Mattix Unit	
2. NAME OF OPERATOR Amoco Production Company		9. WELL NO. 34	
3. ADDRESS OF OPERATOR P. O. Drawer A, Levelland, TX 79336		10. FIELD AND POOL, OR WILDCAT Fowler (Upper Paddock) (D)	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1650' FNL and 2310' FWL (Unit F, SE/4 of NW/4, Sec. 22) At proposed prod. zone		11. SEC., T., R., M., OR CLK. AND SURVEY OR AREA 22-24-37	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approximately 8 miles northeast of Jal, NM		12. COUNTY OR PARISH Lea	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drg. unit line, if any)		13. STATE NM	
16. NO. OF ACRES IN LEASE		17. NO. OF ACRES ASSIGNED TO THIS WELL 320	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3261.6 GR		22. APPROX. DATE WORK WILL START* October 5, 1978	

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11" or 12 1/4"	8 5/8"	24#	1050'	Circ to surf
7 7/8"	5 1/2"	14-15.5#	6100'	Circ to surf

This drilling approval  
Expires Dec 31, 1978After reaching TD, logs will be run and evaluated. Perforate and/or stimulate  
as necessary in attempting commercial production.SEE ATTACHED FOR  
CONDITIONS OF APPROVALMud 0' - 1050' - Native mud x fresh water  
1050' - 6100' - Brine water, native mud and sufficient commercial mud to  
maintain good hole conditions.

BOP Program attached.

"APPROVAL TO FLARE GRANTED  
WHILE DRILLING AND TESTING."

Archaeological Reconnaissance attached.

Gas dedicated to El Paso Natural Gas Co.

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 [Signature] TITLE Admin. Analyst (SG) DATE 9-15-78  
(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-Tenneco  
1-Div 1-Conoco  
1-Susp  
1-RC  
1-Arco  
1-Chevron

\*See Instructions On Reverse Side

