

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 ☒		5. LEASE DESIGNATION AND LEASE NO. NM-0476368	
b. TYPE OF WELL Oil ☐ Gas ☐ Other ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐		6. IF INDIAN ALLOTTEE OR TRUST NAME	
2. NAME OF OPERATOR Amoco Production Company ✓		7. UNIT ACREMENT NAME	
3. ADDRESS OF OPERATOR P. O. Drawer A, Levelland, Texas 79336		8. FARM OR LEASE NAME Heeren Fed Gas Com	
4. LOCATION OF WELL (Map location clearly and in accordance with any State requirements) 1980' FSL & 1980' FWL, Sec. 7 (Unit K, NE $\frac{1}{4}$, SW $\frac{1}{4}$) At proposed prod. zone		9. WELL NO. 1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		10. FIELD AND ROOM, OR WELL NO. Und. Black River Delaware	
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest Grp. unit line, if any)		11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA 7-24-27	
16. NO. OF ACRES IN LEASE 320		12. COUNTY OR PARISH Eddy NM	
17. PROPOSED DEPTH 5230'		13. STATE	
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, INCLUDING COMPLETED, OR A LATER TIE, ON THIS LEASE, FT.		14. NO. OF ACRES ASSIGNED TO THIS WELL 40	
19. ROTARY OR CABLE TOOLS Rotary		20. APPROX. DATE WORK WILL START	
21. ELEVATIONS (Show whether DT, RT, GR, etc.) 3246 RDB		22. APPROX. DATE WORK WILL START	

RECEIVED

SEP 20 1978

O. C. C.

ARTESIA, OFFICE

Existing ~~XXXXXX~~ CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 $\frac{1}{2}$ "	13 3/8"	48#	417'	550 sxs Class C
11"	8 5/8"	24#	5618'	1000 sx Incon & 200 sxs Incon
7 7/8"	* 5 $\frac{1}{2}$ "	20#	12243'	650 sxs C. H

Propose to abandon the Wolfcamp zone, pull approx. 9000' 5 $\frac{1}{2}$ " casing and test four Delaware Sands through 8 5/8" casing.

Abandon Wolfcamp zone by setting CIBP at 10,000' and cap with 35' of cement.
*Cut and pull approx. 9000' 5 $\frac{1}{2}$ " casing. Top of cement behind 5 $\frac{1}{2}$ " casing is 9500'.
Spot 100' Class C cement plug 50 ft. in and out of 5 $\frac{1}{2}$ " casing stub. Set BP in 8 5/8" casing at 5400' and cap with 10' of cement. Pressure test casing and BP. Perforate Delaware Zones 5230'-70', 5140'-60', 2892'-2914 and 2824'-50' with 2 JSPF. Individually acidize each zone with 1150 gal. 7% Clay Stabilizing Acid and test each zone. If Delaware productive produce from all four zones.

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 of all relevant proposed program, if any.

21. Roy W. Coy Administrative Supervisor DATE 9-12-78
(This space for Personal or State office use)

APPROVAL DATE SEP 19 1978
ACTING DISTRICT ENGINEER SEP 19 1978
1-DIV
1-Susp
1-RL
*See Instructions On Reverse Side