

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  
 Atlantic Richfield Company

3. ADDRESS OF OPERATOR  
 P. O. Box 1710, Hobbs, New Mexico 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
 At surface  
 1980' FSL & 1980' FWL (Unit letter K)  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 660'  
 16. NO. OF ACRES IN LEASE 80  
 17. NO. OF ACRES ASSIGNED TO THIS WELL 40-80  
 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.)

5. LEASE DESIGNATION AND SERIAL NO.  
 LC 034117 (b)  
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 7. UNIT AGREEMENT NAME  
 8. FARM OR LEASE NAME  
 ARC Federal  
 9. WELL NO.  
 1  
 10. FIELD AND POOL, OR WILDCAT  
 Jalmat/Yates, 7R  
 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Sec 28, T25S, R37E  
 12. COUNTY OR PARISH  
 Lea  
 13. STATE  
 N.M.

22. APPROX. DATE WORK WILL START\*  
 1/7/74

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT

We propose to recompleate this well in the Jalmat Gas zone as outlined below:

Shoot off & recover 5 1/2" casing from free point.  
 Spot 30 sx cement (100') in & out of 5 1/2" stub.  
 If 5 1/2" stub below 9-5/8" shoe @ 3605', place 100' cement plug (40 sx) across 9-5/8" shoe.  
 Run GR-N log from PBD to 2100'.  
 Perforate Jalmat selectively w/1 - 3/8" JS at intervals selected from GR-N log.  
 Treat w/1500 gal of 15% HCl acid & 15,000# of 20/40 sand in 10,000 gal of 9# brine.  
 Run 2-3/8" tubing to about 2500'.

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 A.D. Litcher TITLE Dist. Drilg. Supv. DATE 1/02/74

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED  
 JAN 7 1974  
 ARTHUR R. BROWN  
 DISTRICT ENGINEER