

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 1978, Roswell, New Mexico 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface: 660' ENL & 660' FEL (Unit letter P)
 At proposed prod. zone

5. LEASE DESIGNATION AND SERIAL NO.
 LC 029435 (b)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 J. L. Keel "B"

9. WELL NO.
 20

10. FIELD AND POOL, OR WILDCAT
 Grayburg-Jackson

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 6, T17S, R31E

12. COUNTY OR PARISH
 Eddy

13. STATE
 N.M.

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

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)

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.
 3600'

19. PROPOSED DEPTH
 3600'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 3769' GR

22. APPROX. DATE WORK WILL START*
 7/25/72

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
6 1/4"	4 1/2" liner	10.5#	2640-3600	175 ft ³

We propose to deepen this well from present T.D. of 2985' to approximately 3600'. Run open hole logs, cement 4 1/2" liner as shown above, perforate selectively and treat w/1000 gallons 15% HCl acid and 30,000# of 20/40 sand in 30,000 gallons of water. The well is presently pumping about 8 BOPD + 6 BWPD.

RECEIVED
 JUL 24 1972
 U. S. GEOLOGICAL SURVEY
 ARTESIA, NEW MEXICO

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 *C. L. Dutcher* TITLE Dist. Drlg. Supervisor DATE 7/19/72

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE OPERATIONS _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:

APPROVED
 JUL 25 1972
See
 H. L. BEEKMAN
 ACTING DISTRICT ENGINEER

THIS APPROVAL IS RECORDED IF OPERATIONS ARE NOT COMMENCED WITHIN 3 MONTHS.
 OCT 25 1972
 See Instructions On Reverse Side