

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 ~~A~~) S

At proposed prod. zone

As above

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

4 miles North of Carlsbad, New Mexico

15. 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

308.48

17. NO. OF ACRES ASSIGNED
TO THIS WELL

308.48

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

11,500

20. ROTARY OR CABLE TOOLS

Rotary

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

3152.2 GR

22. APPROX. DATE WORK WILL START*

4/28/75

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#	500	Circ to surface
12-1/4"	8-5/8"	24#	2500	Circ to surface
7-7/8"	5-1/2"	15.5# & 17#	11,500	700 sx

Diagram of blowout preventer program attached.

Mud program:

0 - 500' Spud Mud
500 - 8500' Fresh water. LCM as needed. Dry drill if necessary.
8500 - 9900' Brackish wtr 9.2# w/Vis high enough to satisfy wellsite geologist who is trying to obtain good formation samples.
9900 - 10,750 Potash brine 9.8 - 10.0#
10750 - TD Potash brine w/polymer 30-35 Vis below 10 cc WL

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

TITLE Dist. Drlg. Supv.

DATE 4/11/75

(This space for Federal or State office use)

PERMIT NO.

APPROVED BY
CONDITION OF APPROVAL, IF ANY:

TITLE

DATE

THIS APPROVAL IS BASED ON OPERATIONS
AND NOT COMMENCED FOR MONTHS
EXPIRES JUL 28 1975

*See Instructions On Reverse Side

DECLARED WATER BASH
13.3%
NOTIFY LOCAL IN SUFFICIENT TIME TO
ARRANGE FOR CLOSING THE CASING

RECEIVED

APR 14 1975

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO