

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  
501 Lincoln Tower Bldg., 1860 Lincoln St., Denver, Colo. 80203

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface  
Unit "C" - 1260' f/North & 1470' f/West lines Sec. 30  
At proposed prod. zone  
Approx. same

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

10. DISTANCE FROM PROPOSED\* 1260' f/Tr.12 line  
LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION\* 814' f/#48  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT. in NE NW Sec.30

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5625' GL, Ungr.

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12-1/4"	8-5/8"	24#	120'
7-7/8"	5-1/2"	14#	T.D.

Propose to drill well to depth sufficient to test the Gallup Formation. Est. tops: Upper Gallup 1300', Lower Gallup 1400'. Will set 8-5/8" surface casing at approx 120' and cement to surface; drill 7-7/8" hole to T.D.; log; if productive, set 5-1/2" OD casing with sufficient cement to protect all zones. Productive zone(s) will be perforated, treated if necessary, and well completed.

Re: New Mexico Oil Conservation Commission Order No. R-2210 & R-2210-A

Attachments: Certified Location Plat  
Pertinent Drilling Information  
Development Plan for Surface Use w/ att.  
Archaeological Clearance Report

5. LEASE DESIGNATION AND SERIAL NO.  
14-20-603-734  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Navajo  
7. UNIT AGREEMENT NAME  
Horseshoe Gallup Unit  
8. FARM OR LEASE NAME  
Horseshoe Gallup Unit  
9. WELL NO.  
293  
10. FIELD AND POOL, OR WILDCAT  
Horseshoe Gallup  
11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA  
C- Sec. 30-31N-16W  
12. COUNTY OR PARISH  
San Juan  
13. STATE  
New Mexico

17. NO. OF ACRES ASSIGNED TO THIS WELL  
14.4 Unit  
20. ROTARY OR CABLE TOOLS  
Rotary tools  
22. APPROX. DATE WORK WILL START\*  
When appl rec'd.  
ad & loc est 7/1/76.  
Drlg after #292

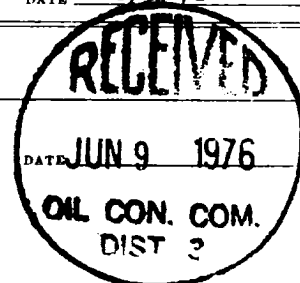
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED W A Walther Jr. TITLE Operations Manager DATE 6/1/76  
(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY TITLE

CONDITIONS OF APPROVAL, IF ANY:



\*See Instructions On Reverse Side