

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

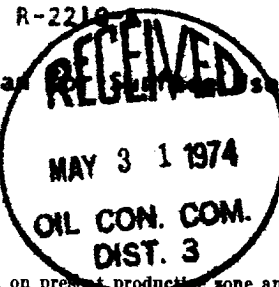
1a. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐		5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-734
b. TYPE OF WELL OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo
2. NAME OF OPERATOR Atlantic Richfield Company		7. UNIT AGREEMENT NAME Horseshoe Gallup Unit
3. ADDRESS OF OPERATOR 501 Lincoln Tower Bldg., 1860 Lincoln St., Denver, Colo. 80203		8. FARM OR LEASE NAME Horseshoe Gallup Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface Unit "J" - 2540' f/South & 2570' f/East lines Sec. 30 At proposed prod. zone Same		9. WELL NO. 286
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approx. 3 miles East & 7 miles NE f/Shiprock, New Mexico		10. FIELD AND POOL, OR WILDCAT Horseshoe Gallup
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 2710' f/Tr. 15 line	16. NO. OF ACRES IN LEASE Tr. 12 2644.14 Ac.	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 30-31N-16W
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. Approx 813' NW f/Well #6	19. PROPOSED DEPTH 1550'	12. COUNTY OR PARISH San Juan
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5546' Ground Level, Ungraded		13. STATE N. Mexico
23. PROPOSED CASING AND CEMENTING PROGRAM		17. NO. OF ACRES ASSIGNED TO THIS WELL 40 Acres
22. APPROX. DATE WORK WILL START* When Appl. Rec'd Est. 6-10-74		20. ROTARY OR CABLE TOOLS Rotary

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4'	9-5/8"	36#	120'	120 sx (cement to surface)
7-7/8"	5-1/2"	14# & 15.5#	T.D.	250 sx

Propose to drill well to depth sufficient to test the Gallup formation. Est. top of Upper Gallup @ 1250'. Will set 9-5/8" surface casing w/sufficient cement to circulate to surface; will drill 7-7/8" hole to T.D. and log; if productive, set 5-1/2" production casing and cement w/sufficient cement to protect all zones. Productive zones will be perforated, treated if necessary, and well completed.

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

Attachments: Certified Location Plat, Development Plan, and 7 Point Drilling Plan

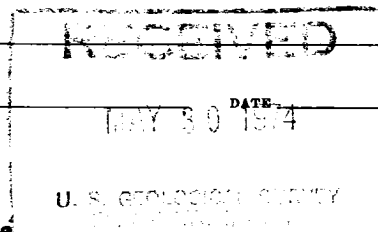


IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer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

24.

SIGNED [Signature] TITLE Dist. Prod. & Drlg. Supt. DATE 5-29-74
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY: _____



*See Instructions On Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-4-65

All distances must be from the outer boundaries of the Section

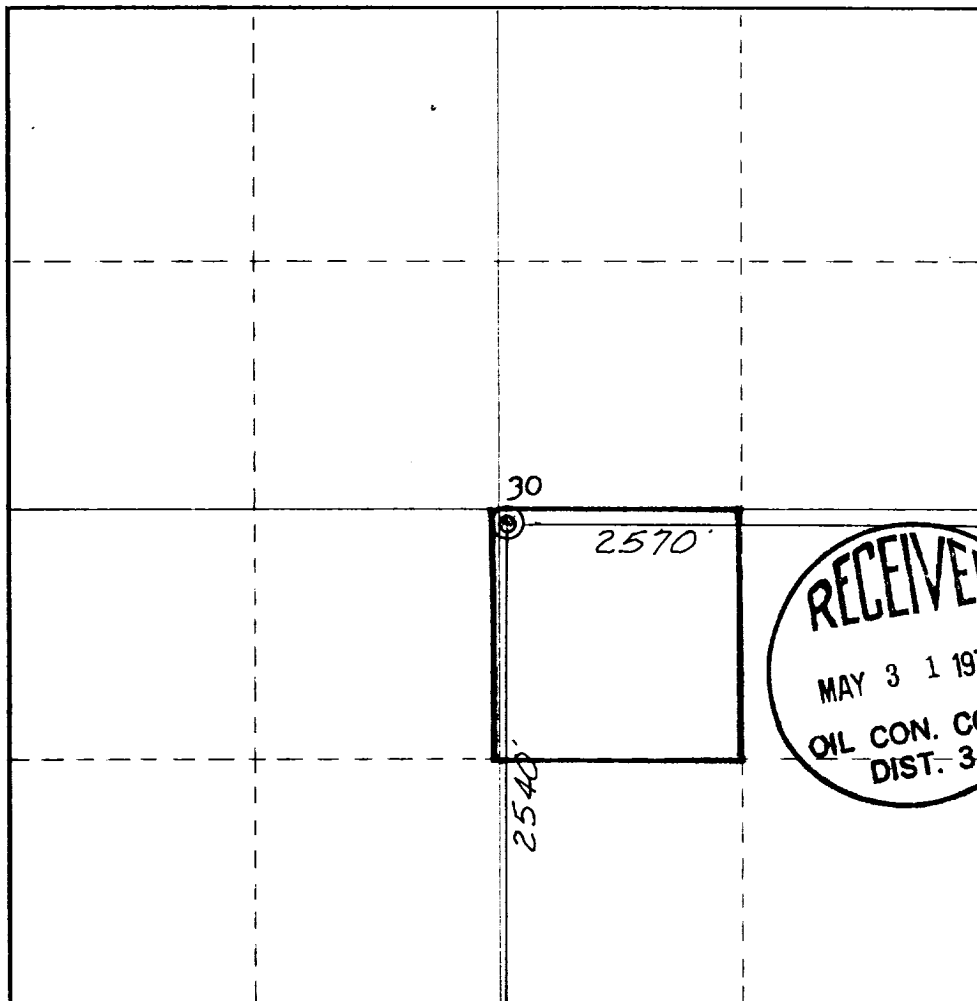
Operator THE ATLANTIC RICHFIELD COMPANY			Lease HORSESHOE GALLUP UNIT		Well No. 286
Unit Letter J	Section 30	Township 31 NORTH	Range 16 WEST	County SAN JUAN	
Actual Portage Location of Well: 2540 feet from the SOUTH line and 2570 feet from the EAST line					
Ground Level Elev. 5546	Producing Formation Gallup - Oil		Pool Horseshoe Gallup		Dedicated Acreage 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation **Unitization**

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

W. A. Walther, Jr.
W. A. Walther, Jr.

Dist. Prod. & Drilg. Supt.

Atlantic Richfield Company

May 29, 1974

Date

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed **5 April 1974**

Registered Professional Engineer
and Licensed Surveyor

James P. Lease
James P. Lease

Certificate No. **1463**

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600