

UNITED STATES  
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

API 30-045-22102

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 A - 50' f/North & 50' f/East lines Sec. 23

At proposed prod. zone

Approx. Same

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

See attached maps

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

2590' f/Tr. 13 line

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT. NE NE Sec. 23

812' f/#84 in

16. NO. OF ACRES IN LEASE  
Tr. 13, 1442.28 Ac.  
Unit 13, 527.80 Ac.

19. PROPOSED DEPTH

1650'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

N/A Unit

20. ROTARY OR CABLE TOOLS

Rotary

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

5873' GL, Ungr.

22. APPROX. DATE WORK WILL START\*

When appls rec'd.

Est. 7/1/76

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	125'	120 sx (Cmt to surface)
7-7/8"	5-1/2"	14#	T.D.	225 sx

Propose to drill well to depth sufficient to test the Gallup Formation. Est. tops: Upper Gallup 1424', Lower Gallup 1534'. 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" 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-2210A

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

U. S. GEOLOGICAL SURVEY  
FARMINGTON, U. S.

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.  
(This space for Federal or State office use)

TITLE Operations Manager

6/4/76

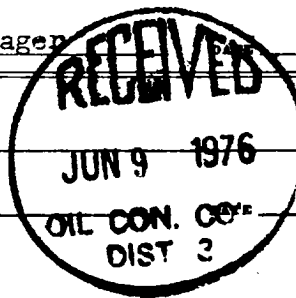
PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE



\*See Instructions On Reverse Side

*Abel*  
*Holl*

**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102  
Supersedes C-128  
Effective 1-1-55

All distances must be from the outer boundaries of the Section.

Operator <b>Atlantic Richfield Company</b>			Lease		Well No. <b>291</b>
Unit Letter <b>A</b>	Section <b>23</b>	Township <b>31</b>	Range <b>17</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>50</b> feet from the <b>North</b> line and <b>50</b> feet from the <b>East</b> line					
Ground Level Elev. <b>5873</b>	Producing Formation <b>Gallup</b>	Pool <b>Horseshoe Gallup</b>		Dedicated Acreage <b>NA - Unitized</b> Acres	

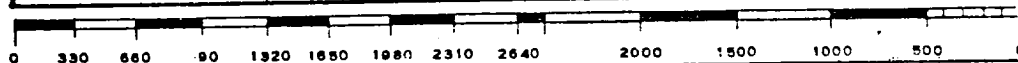
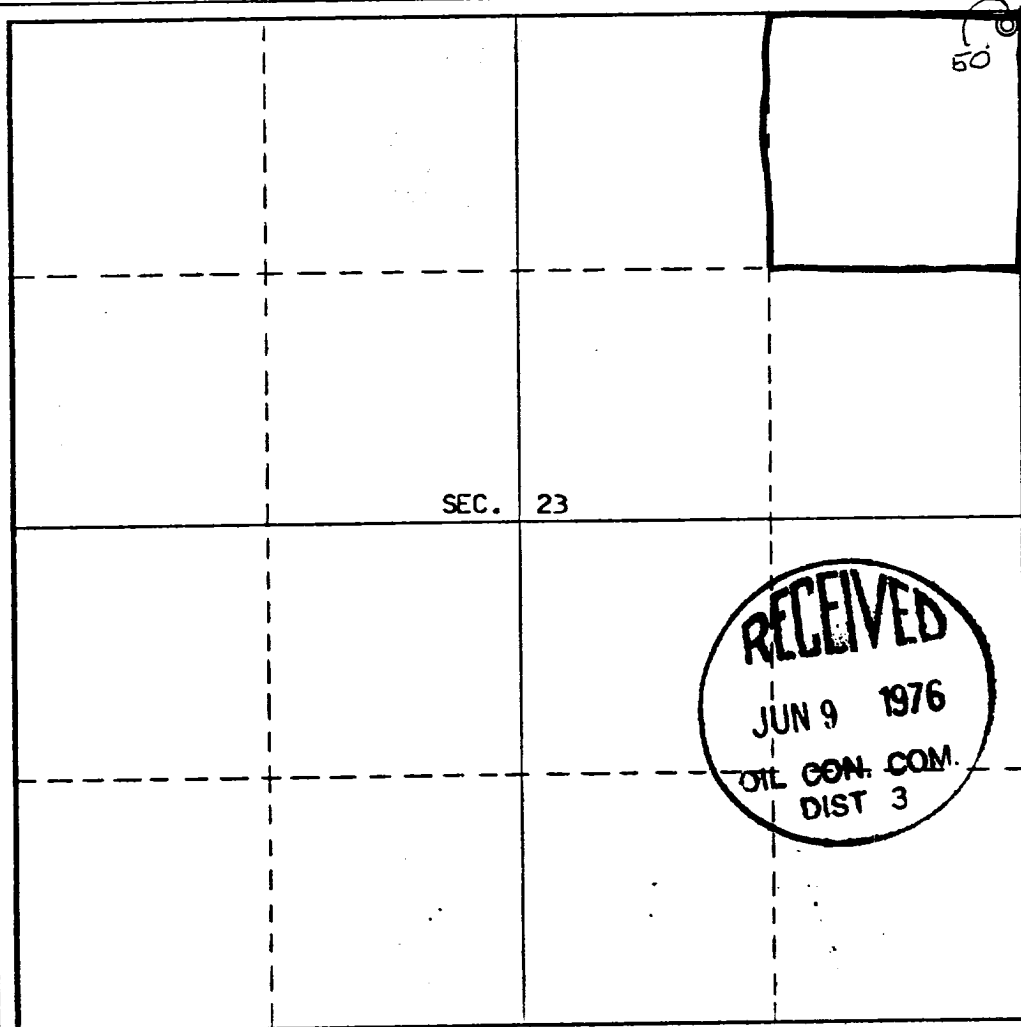
Re: Order No. R-2210-A

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.



<b>CERTIFICATION</b>	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
Name	<i>W. A. Walther Jr.</i>
Position	W. A. Walther, Jr. Operations Manager
Company	ATLANTIC RICHFIELD COMPANY
Date	
Date Surveyed	May 21, 1976
Registered Professional Engineer and/or Land Surveyor <i>E.V. Echhawk</i>	
Certificate No.	3602
E.V. Echhawk LS	