

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

30-039-23838

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

ARCO Oil and Gas Company, A Division of
Atlantic Richfield Company

3. ADDRESS OF OPERATOR

P.O. Box 5540

Denver, Colorado 80217

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

1760' FNL and 1780' FEL Sec. 22-25N-3W

At proposed prod. zone

Approximately the same

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

Approximately 7.2 miles northwest of Lindrith, New Mexico

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.

1760'

(Also to nearest drig. unit line, if any)

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

1314' from

Hill #10 (PC)

19. PROPOSED DEPTH

8400'

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

7335' GL

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED

23.

"GENERAL REQUIREMENTS"
PROPOSED CASING AND CEMENTING PROGRAMThis action is subject to administrative
appeal pursuant to 30 CFR 290.

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#	600'	Approx. 340 sx, cmt to surf
8-3/4"	5-1/2"	17#	8400'	Approx. 1100 sx, cmt to 200' above Ojo

Propose to drill well to a depth sufficient to dually complete in the Gallup and Dakota Formations per the attached:

1. Certified Location Plat
2. Drilling Plan with Attachments
3. Surface Use Plan with Attachments

RECEIVED
AUG 26, 1985
OIL CON. DIV. 1
DIST. 3

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

J. B. Morse

TITLE Operations Manager

DATE

1/8/85

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

NMOCC

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

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

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

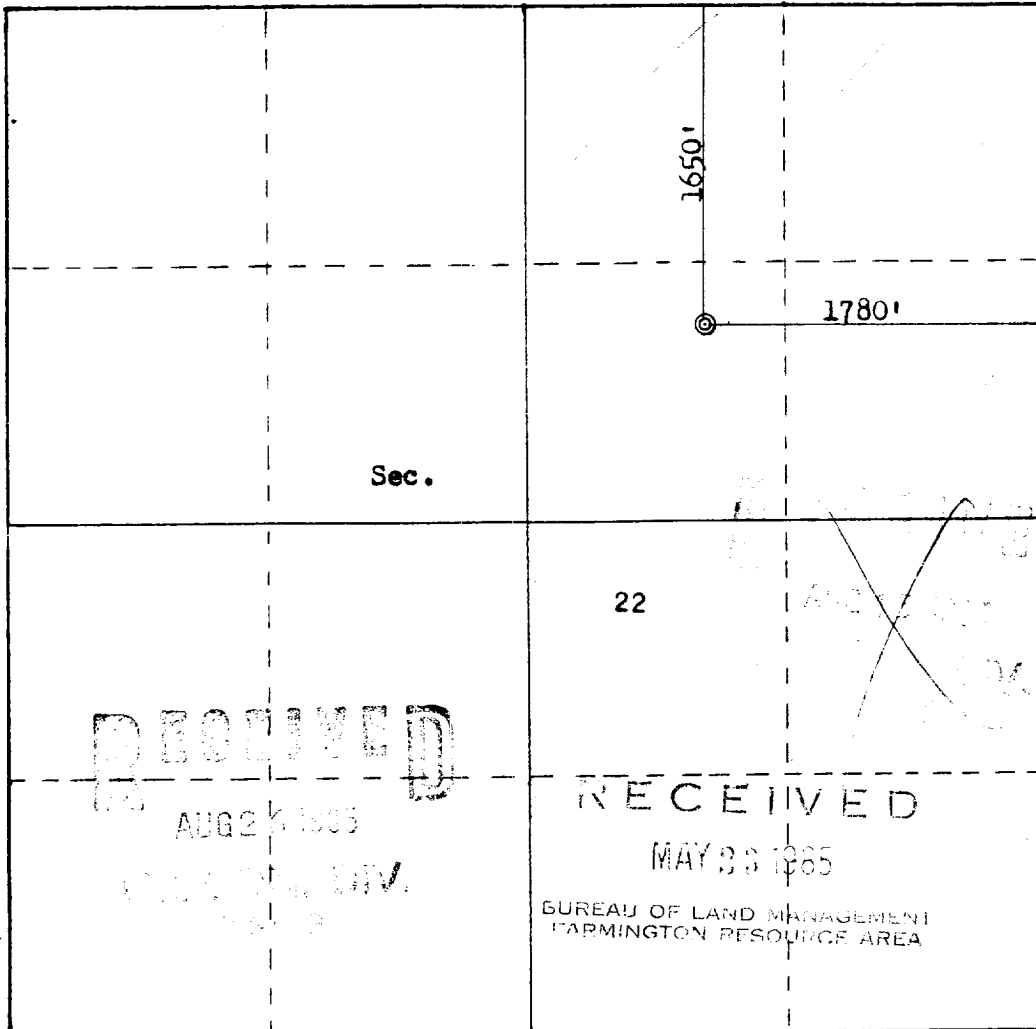
Operator ARCO OIL & GAS COMPANY			Lease HILL		Well No. 1
Unit Letter G	Section 22	Township 25N	Range 3W	County Rio Arriba	
Actual Footage Location of Well: 1650 feet from the North line and 1780 feet from the East line					
Ground Level Elev. 7333	Producing Formation <i>Sallap Dakota</i>		Pool <i>West Linderoth</i>		Dedicated Acreage 16.0 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 _____

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.

J. M. McCarthy
Name **J. M. McCarthy**
Position **Dist. Drilling Supt.**
ARCO Oil and Gas Company
Company
8/21/85
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 **May 14, 1985**
Registered Professional Engineer and Land Surveyor
Fred B. Kerr Jr.
Fred B. Kerr Jr.
Certificate No. **3950**

Scale: 1"=1000'

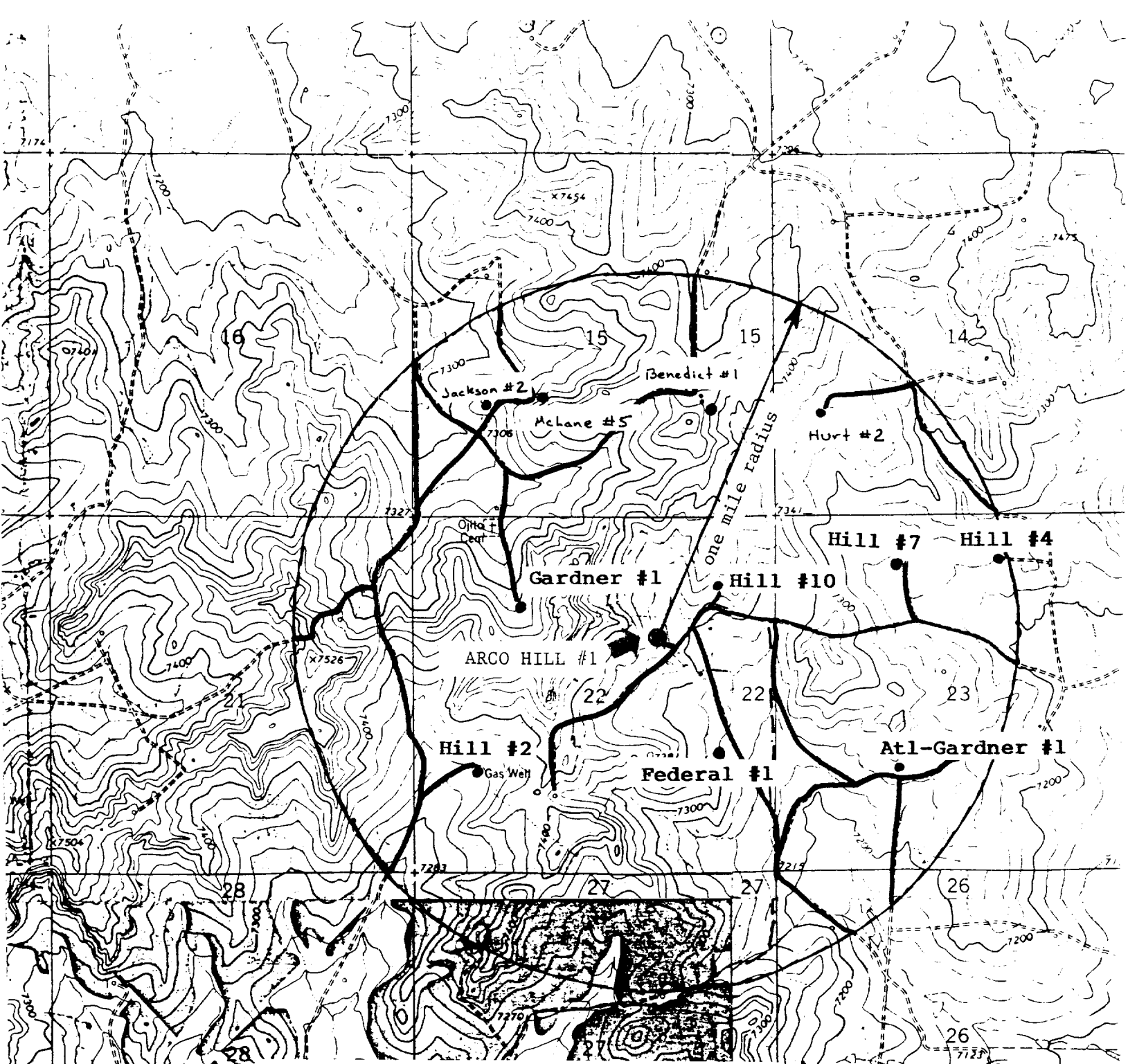


EXHIBIT #4
VICINITY MAP
ARCO HILL #1
Sec. 22-25N-3W
Rio Arriba County, New Mexico

