

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

reverse side

30-039-23449
5. LEASE DESIGNATION AND SERIAL NO.
~~SP-08042-A~~ S.F. 080472-A
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NA
7. UNIT AGREEMENT NAME
NA
8. FARM OR LEASE NAME
Chacon Federal
9. WELL NO.
101
10. FIELD AND POOL OR WILDCAT
West Lindrith
Indesignated Callup-Dakota
11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA
A
19-24N-3W

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

a. 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, 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 700' FNL & 800' FEL

At proposed prod. zone

Approx the same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
+ 5 miles to Lindrith, New Mexico
BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

12. COUNTY OR PARISH 13. STATE
Rio Arriba New Mexico

15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any) 800'
16. NO. OF ACRES IN LEASE
Est 1330
17. NO. OF ACRES ASSIGNED
TO THIS WELL
40 191.58
18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. Approx 2900'
19. PROPOSED DEPTH 6600'
20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6889' GL
DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
22. APPROX. DATE WORK WILL START*
May 1, 1984

23. GENERAL REQUIREMENTS
PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	
12-1/4"	8-5/8"	24#	500'	Cmt to surf w/approx 360 sx
7-7/8"	5-1/2"	17#	6600'	1st stg approx 430 sx 2nd stg approx 325 sx

Attachments to this APD include:

10 Point Drilling Plan
14 Point Surface Use Plan
Exhibits Attached

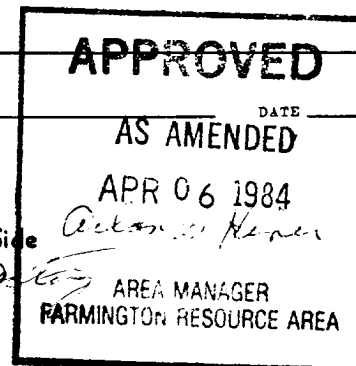
"AA" BOPE Specifications
"A" BOP Equipment
"BB" Proposed Access & Water Haul Route
"B" Access Route from Highway to Location
"C" Existing Wells within a One Mile Radius of Proposed Location
"D" Certified Location Plat
"E" Cut and Fill Diagram
"F" Proposed Drill Pad Layout

Lease ~~SP-08042-A~~ contains approximately 1330 acres as follows: T24N-R3W
Rio Arriba County, New Mexico SW/4, Sec 17; E/2 & Lots #1,2,3,4, Sec's 18,19,20

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 March 22, 1984
(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

NMOCO

All distances must be from the outer boundaries of the Section

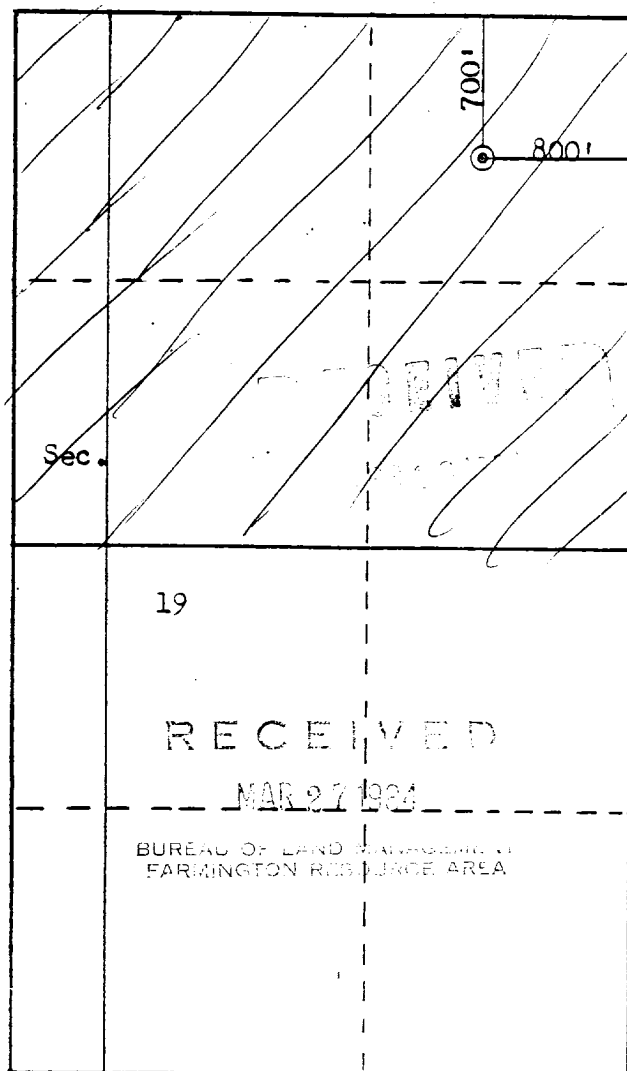
Operator ARCO OIL & GAS COMPANY			Lease CHACON-FEDERAL		Well No. 101
Unit Letter A	Section 19	Township 2LN	Range 3W	County Rio Arriba	
Actual Footage Location of Well: 700 feet from the North line and 800 feet from the East line					
Ground Level Elev. 6883	Producing Formation Gallup-Dakota		Pool West Lincoln Co. - Dak		Dedicated Acreage: 191.54 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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.

Name _____

Position _____

Company _____

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 _____

February 28, 1984

Registered Professional Engineer
and Land Surveyor

Fred B. Kerr Jr.

Certificate No. 4222

Scale: 1"=1000'

Exhibit "BB"
Proposed Access & Water Haul Route
to Location
Chacon Federal #101
ARCO Oil & Gas Company

Proposed Water Haul Route

Proposed Drillsite Location
700'FNL & 900'FEL
Sec. 19-T24N-R3W
Rio Arriba County, New Mexico

Proposed Access Road

Canyon