

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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 Co.

3. ADDRESS OF OPERATOR

P.O. Box 1610, Midland, Texas 79702

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

At surface

900' FNL and 990' FEL

At proposed prod. zone

Approximately same as above

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

±10 miles west of Lindrith, New Mexico

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drig. unit line, if any)

990'

16. NO. OF ACRES IN LEASE

1309.76

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

191.55

Shared w/ARCO Chacon #101

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

276'

19. PROPOSED DEPTH

7445'

20. ROTARY OR CABLE TOOLS & ARCO Chacon #8

Rotary

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

6878' (upgraded GL)

22. APPROX. DATE WORK WILL START\*

Late December, 1986

This action is subject to technical and  
procedural review pursuant to 43 CFR 3160.3  
and appeal pursuant to 43 CFR 3160.4.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF CASING		WEIGHT PER FOOT	SETTING DEPTH	GENERAL REQUIREMENTS
12-1/4"	8-5/8"	24#	500'	360 sx cmt or to Surf
7-7/8"	5-1/2"	17#	7445'	1125 sx cmt or to surf

Pursuant to Onshore Oil and Gas Order No. 1

Certified location Plat (Exhibit #1)

Drilling Plan w/attachments

Surface Use & Operations Plan w/attachments

This well is proposed to be drilled 7445' and to be completed in the Dakota  
"A" formation, as described in the attached plans.

Please contact Sandy Stash-Zdinak, Drilling Engineer (915) 688-5675 if additional  
information is required.

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. *Imp-2 VDF*  
*PEL*  
*W Kinburn*  
SIGNED \_\_\_\_\_ TITLE District Drilling Engineer

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_

APPROVAL DATE \_\_\_\_\_

NOV 26 1986

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

/s/ J. Stan McKee

AREA MANAGER

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

SANTA FE, NEW MEXICO 87501

EXHIBIT "A"  
CERTIFIED PLAT

Form C-102  
Revised 10-1-72

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

All distances must be from the outer boundaries of the Section.									
Operator <b>ARCO OIL &amp; GAS COMPANY</b>				Lease <b>CHACON</b> <i>Federal</i>				Well No. <b>102</b>	
Unit Letter <b>A</b>		Section <b>19</b>		Township <b>24 North</b>		Range <b>3 West</b>		County <b>Rio Arriba</b>	
Actual Footage Location of Well: ( <b>cardinal</b> ) <b>900</b> feet from the <b>North</b> line and <b>990</b> feet from the <b>East</b> line									
Ground Level Elev. <b>6878</b>		Producing Formation <b>DAKOTA</b>			Pool <b>WEST LINDRITH CALLUP/DAKOTA</b>			Dedicated Acreage: <b>191.55</b> 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?

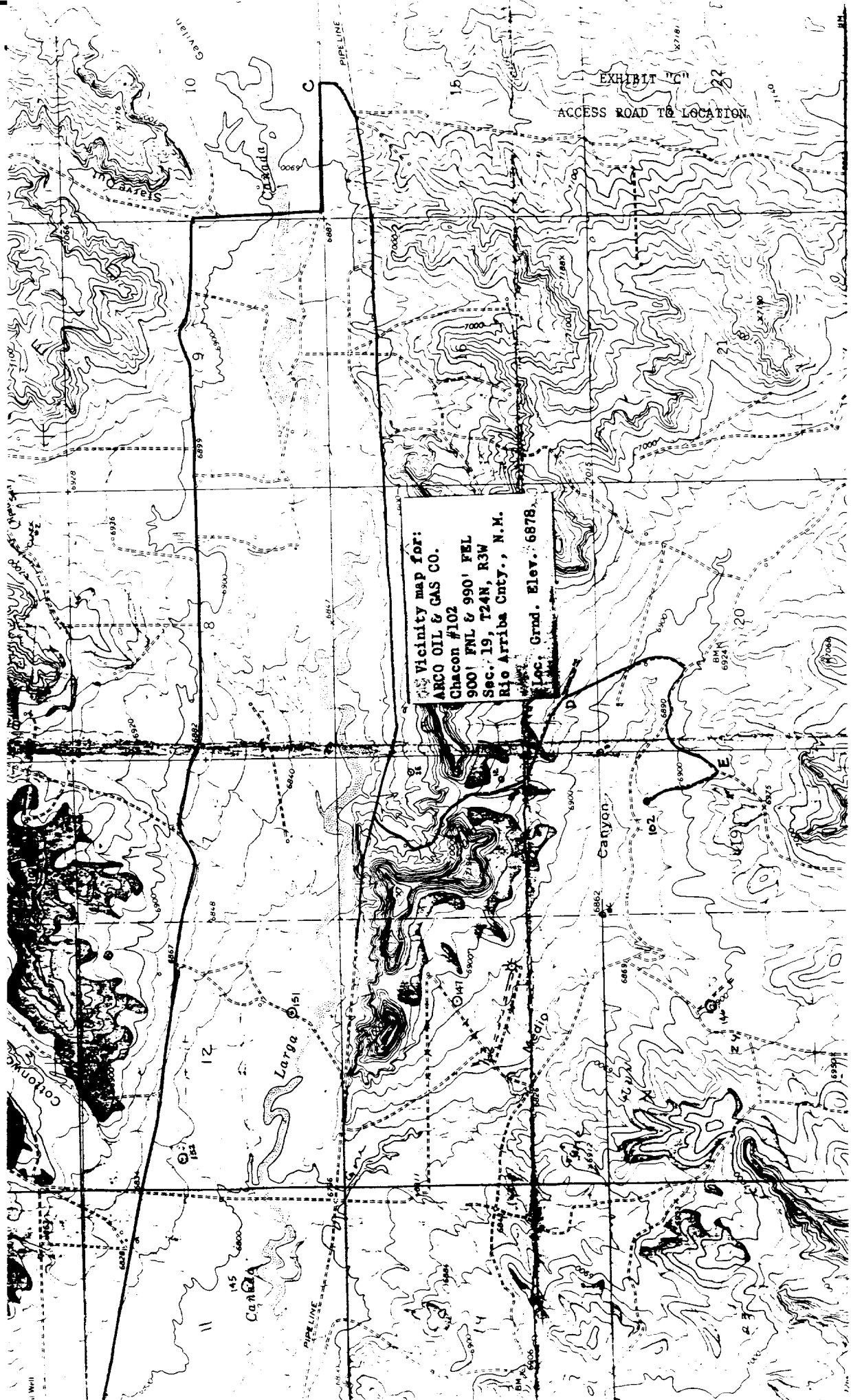
☐ Yes ☒ No If answer is "yes," type of consolidation

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 Division.

\*Record GLO 1918 plat

<p><b>*Record GLO 1918 plat</b></p> <p style="font-size: 2em;"><b>RECEIVED</b></p> <p><b>NOV 25 1986</b></p> <p>BUREAU OF LAND MANAGEMENT FARMINGTON RESOURCE AREA</p>		<p>1915 BC.</p> <p>CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Landra Hask</i></p> <p>Name _____</p> <p>DRILLING ENGINEER</p> <p>Position _____</p> <p>ARCO OIL AND GAS</p> <p>Company _____</p> <p>NOVEMBER 19, 1986</p> <p>Date _____</p>	
<p>N 89° 42' E</p> <p>47.87*</p> <p>90' FEL</p> <p>Chacon #102</p>	<p>Sec.  19</p>	<p>N 89° 45' E</p> <p>47.94*</p>	<p>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.</p> <p><i>Roy A. Rush</i></p> <p>Nov. 6, 1986</p> <p>Date Surveyed _____</p> <p>Registered Professional Engineer and/or Land Surveyor</p>



Vicinity map for:  
ARCO OIL & GAS CO.  
Chacon #102  
900' FNL & 990' FEL  
Sec. 19, T24N, R3W  
Rio Arriba Cnty., N.M.  
Loc. Grad. Elev. 6878

EXHIBIT "C"  
ACCESS ROAD TO LOCATION