

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-101
Revised 10-1-78

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DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5A. Indicate Type of Lease	
STATE <input type="checkbox"/>	FEE <input checked="" type="checkbox"/>

5. State Oil & Gas Lease No.
NA

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		7. Unit Agreement Name NA
b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name ARCO Leeson
2. Name of Operator ARCO Oil and Gas Company, Division of Atlantic Richfield Company.		9. Well No. 2
3. Address of Operator P.O. Box 5540, Denver, Colorado 80217		10. Field and Pool, or Wildcat W. Lindrith Field
4. Location of Well UNIT LETTER E LOCATED 1855 FEET FROM THE North LINE AND 515 FEET FROM THE West LINE OF SEC. 27 TWP. 25N RGE. 3W NMPM		12. County Rio Arriba
19. Proposed Depth 8135'		19A. Formation Dakota/Gallup
20. Rotary or C.T. Rotary		
21. Elevations (Show whether DF, RT, etc.) 7303' GL	21A. Kind & Status Plug. Bond Blanket	21B. Drilling Contractor To be awarded
22. Approx. Date Work will start November, 1985		

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4"	9-5/8"	36.0#	500'	265 sx	Surface
8-3/4"	5-1/2"	17.0#	8135'	2 stage: 1st stg-625 sx 2nd stg-1100 sx	500'

We propose to drill to a sufficient depth to evaluate and complete this well in the Gallup and Dakota formations. Attached please find the certified location plat, topo map, cut and fill diagrams, the BOP stack and choke manifold arrangement, and the BOP specifications (Exhibit 1 through 5). The minimum specifications for pressure control will be as follows:

Interval	Pressure Control Equipment
500'-TD	11" 3000 psi double ram preventer (one blind, one pipe) and rotating head

For any questions regarding this permit, please contact Mr. Dan Lowe, Drilling Engineer, at (303) 293-7176.

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed J. M. McCarthy Title District Drilling Superintendent Date October 1, 1985

(This space for State Use)

APPROVED BY [Signature] TITLE [Signature] DATE 10-7-85

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL EXPIRES 4-7-86
UNLESS DRILLING IS COMMENCED.
SPUD NOTICE MUST BE SUBMITTED
WITHIN 10 DAYS.

EXHIBIT 1

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLATForm C-102
Supersedes C-11,
Effective 1-1-85

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

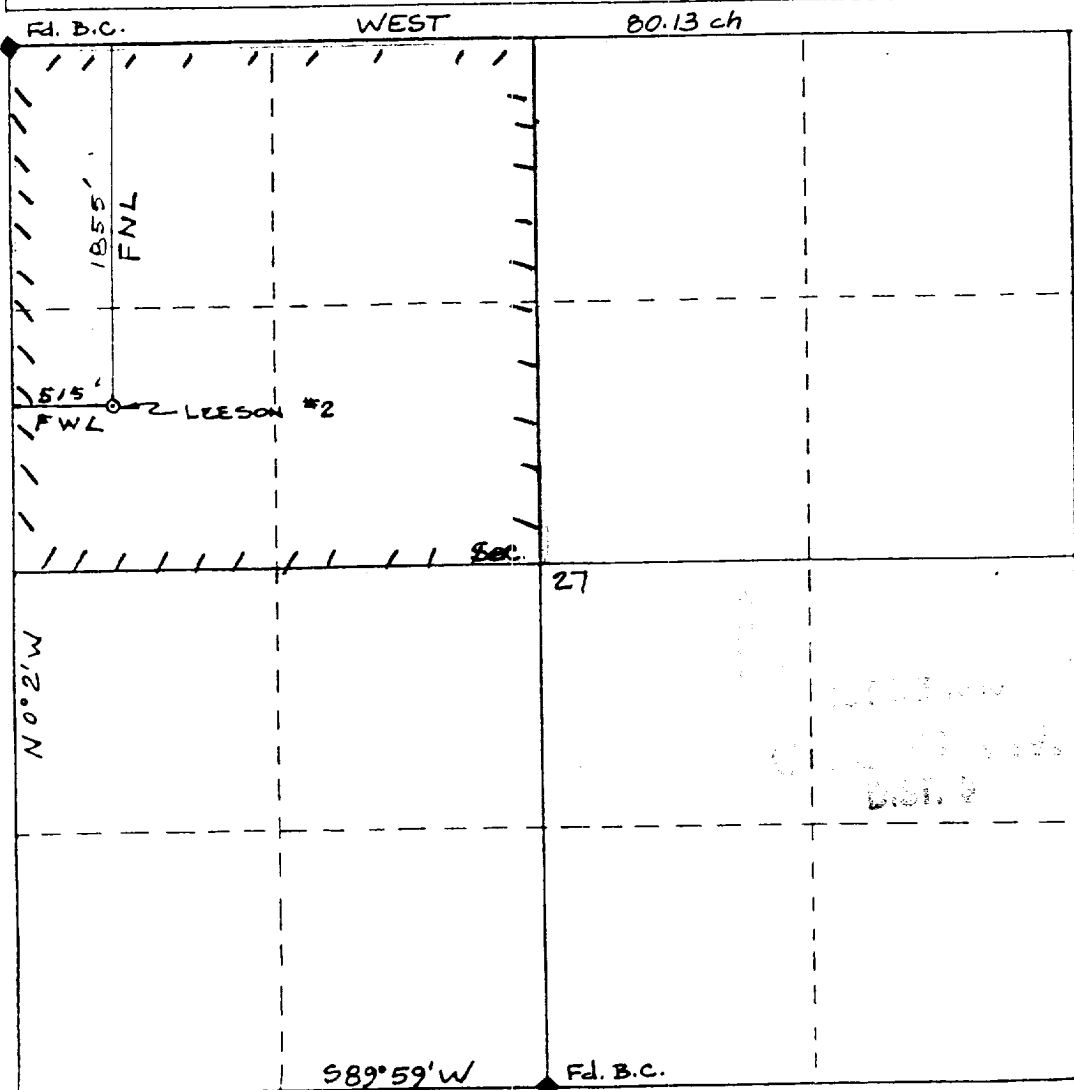
Operator ARCO OIL & GAS CO.			Lease LEESON		Well No. 2
Unit Letter E	Section 27	Township 25 North	Range 3 West	County Rio Arriba	
Actual Footage Location of Well:					
1855 feet from the North line and		515 feet from the West line			
Ground Level Elev: 7303	Producing Formation Gallup/Dakota	Pool W.Lindrith-Gallup/Dakota		Dedicated Acreage: 160 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.

Name J.M. McCarthy

Position

District Dirg Superintendent

Company ARCO Oil and Gas Company
Div of Atlantic Richfield Company

Date

September 30, 1985

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

Sept. 18, 1985

Registered Professional Engineer
and Land Surveyor

Certificate No.

8894