

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

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LAND OFFICE	
OPERATOR	

5A. Indicate Type of Lease	
STATE <input type="checkbox"/>	FEE <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/>		8. Farm or Lease Name R.L. Brunson	
OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		9. Well No. 1	
2. Name of Operator ARCO Oil and Gas Company Division of Atlantic Richfield Co.		10. Field and Pool, or Wildcat Paddock	
3. Address of Operator P.O. Box 1710, Hobbs, NM 88240		12. County Lea	
4. Location of Well UNIT LETTER <u>J</u> LOCATED <u>2310</u> FEET FROM THE <u>South</u> LINE AND <u>2310</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>4</u> TWP. <u>22S</u> RGE. <u>37E</u> NMPM			
19. Proposed Depth 5520'		19A. Formation Paddock	
20. Rotary or C.T. Completion Rig			
21. Elevation (Show whether Dr, H, etc.) 3440' GR		21A. Kind & Status Plug. Bond GCA #8	
21B. Drilling Contractor Not selected		22. Approx. Date Work will start 11-25-84	

23.

## PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
	15½"	70#	136'	75	Circ
	8-5/8"	32#	1265'	75	Circ
	7"	24#	3595'	100	3457'
6½"	5"	15#	6570'	300	Unknown

Propose to plug back &amp; recompleat in Paddock zone as follows:

1. Perforate 5" csg w/1-.42" JSPF @ 5211, 13, 15, 20, 22, 25, 34, 37, 48, 54' = 10 holes.
2. Treat perms w/1000 gals 15% HCL NEFE.
3. Frac w/30,000 gals X-linked 2% KCL wtr and 43,000# 20/40 sd & 7500# 10/20 sd. Swab back. POH w/pkr.
4. RIH w/comp assy, rods & pump, return to prod.

NOTE: C-103 to plug &amp; abandon Blinebry zone reported separately.

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 Charles L. Bush Title Drilling Engineer Date 11-19-84  
(This space for State Use)

ORIGINAL SIGNATURE

APPROVED BY DETECTIVE SUPERVISOR TITLE DETECTIVE SUPERVISOR DATE NOV 27 1984

CONDITIONS OF APPROVAL, IF ANY:

# OIL CONSERVATION DIVISION

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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

Form C-102  
Revised 10-1-78

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

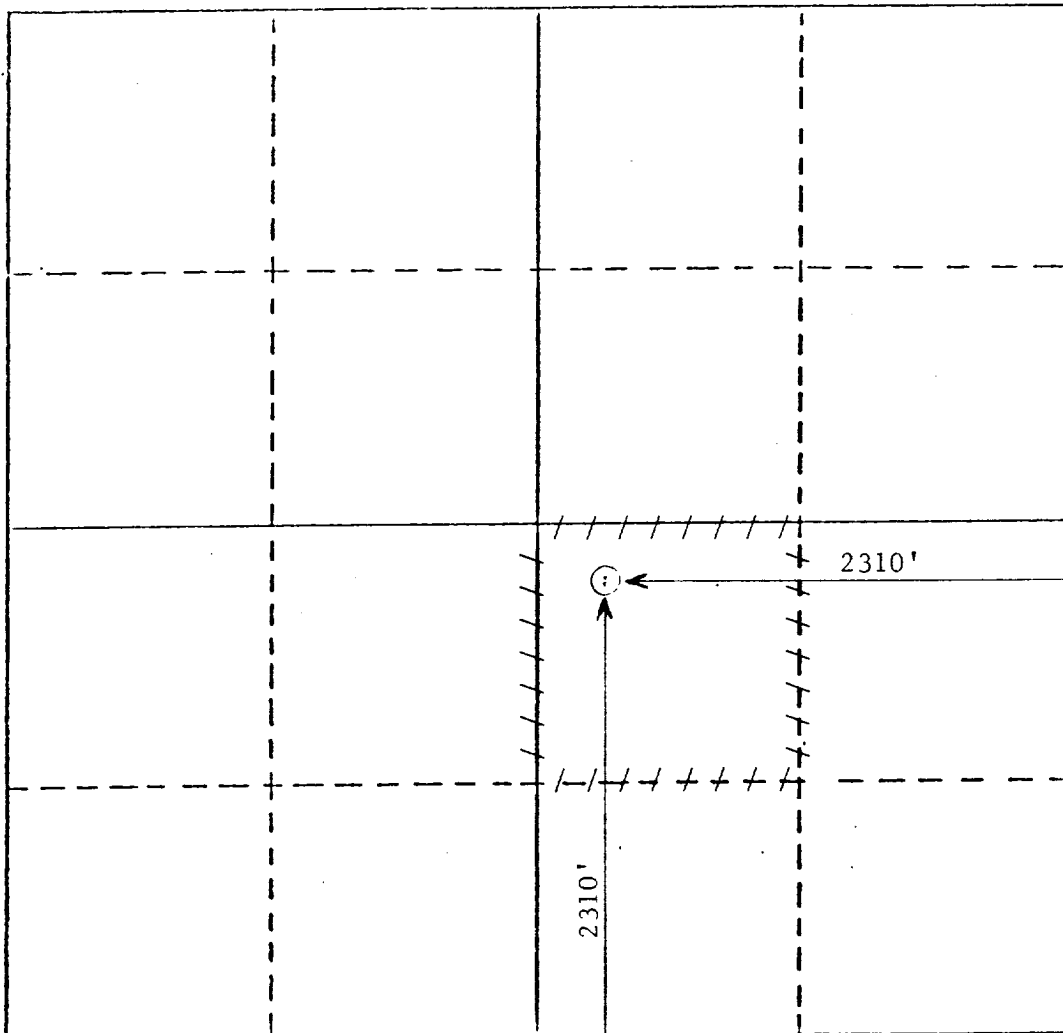
Operator ARCO Oil and Gas Company Division of Atlantic Richfield Co.			Lease R.L. Brunson		Well No. 1
Unit Letter J	Section 4	Township 22S	Range 37E	County Lea	
Actual Footage Location of Well: 2310 feet from the South line and 2310 feet from the East line					
Ground Level Elev. 3440'	Producing Formation Paddock	Pool Paddock		Dedicated Acreage: 40 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 Division.



## CERTIFICATION

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

*Elizabeth L. Burke*  
Name

*Only Engineer.*  
Position

Company ARCO Oil and Gas Co.  
Division of Atlantic Richfield Co.

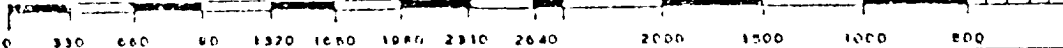
Date 11-19-84

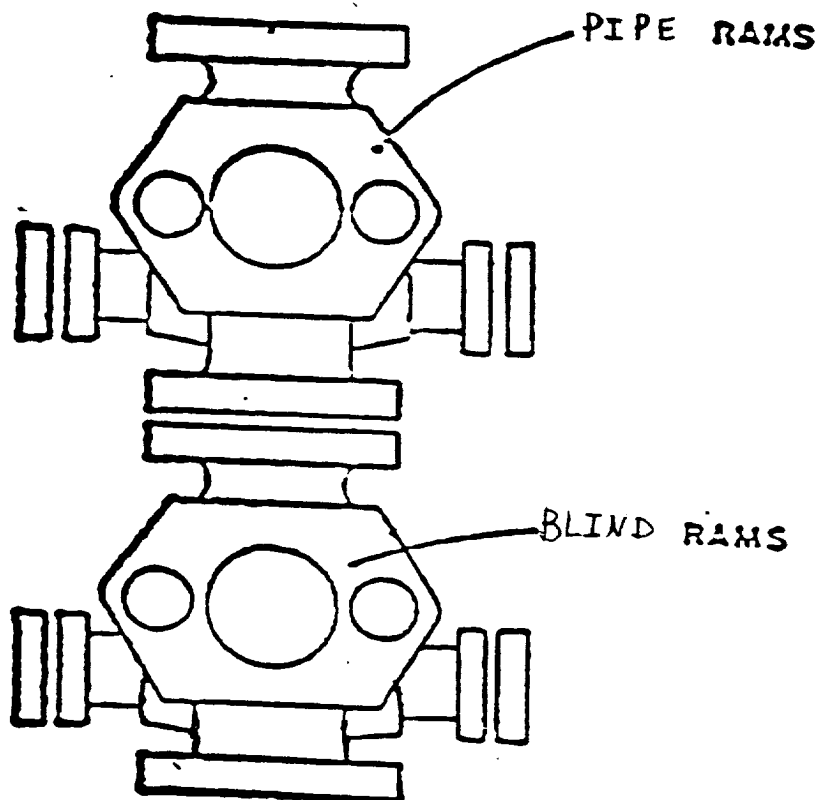
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

Certificate No.





ARCO Oil & Gas Company

Division of Atlantic Richfield Company

**Blow Out Preventer Program**

**Lease Name** R.L. Brunson

**Well No.** 1

**Location** 2310' FSL & 2310' FEL  
Sec. 4-22S-37E, Lea Co.

BOP to be tested when installed on well and will be maintained in good working condition during drilling. All wellhead fittings to be of sufficient pressure to operate in a safe manner.