

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

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LAND OFFICE	
OPERATOR	

5A. Indicate Type of Lease
STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.
E-316

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

1a. Type of Work		Re-entry <input type="checkbox"/>	
b. Type of Well		PLUG BACK <input checked="" type="checkbox"/>	
OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	SINGLE ZONE <input checked="" type="checkbox"/>	MULTIPLE ZONE <input type="checkbox"/>
2. Name of Operator		7. Unit Agreement Name	
ARCO Oil and Gas Company			
Division of Atlantic Richfield Company		8. Farm or Lease Name	
3. Address of Operator		State "G" TG	
P. O. Box 1710, Hobbs, New Mexico 88240		9. Well No.	
4. Location of Well		10. Field and Pool, or Wildcat	
UNIT LETTER D LOCATED 330 FEET FROM THE North LINE		E-K Yates 7R Queen	
AND 990 FEET FROM THE West LINE OF SEC. 24 TWP. 18S RGE. 33E NMPM		12. County	
		Lea	
19. Proposed Depth		19A. Formation	20. Rotary or C.T.
4230'		Yates 7Rivers	Completion Rig
21. Elevations (show whether DF, KT, etc.)	21A. Kind & Status Plug. Bond	21B. Drilling Contractor	22. Approx. Date Work will start
3917' DF	GCA #8	Not selected	4/11/85

23.

## PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4"	* 8-5/8" OD	24#	1661'	700	Circ
7-7/8"	* 5 1/2" OD	15.5#	4383'	400	1370' FS

Propose to re-enter the former P&A E-K Queen Unit 7-2 and test for commercial production in the Yates and 7Rivers formations in the following manner:

- RU, cut off well marker & install wellhead. Install BOP & DO cmt plugs @ surface, 1510-1710' 2775-2975', run bit to 4230' PBD. Press test csg to 1000# for 30 mins.
- Run GR-CNL, perforate Yates or Seven Rivers interval from log. Set pkr above perms, spot 15% HCL acid & frac w/18,000 gals x-linked gel & 30,000# sd. Swab test.

\* Casing abandoned in hole at time of plugging by E-K Queen Unit Operator.

Permit Expires 6 Months From Approval  
Date Unless Drilling Underway.

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 Robert E. Zallinger Title Drlg. Engr. Date 4/10/85

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON

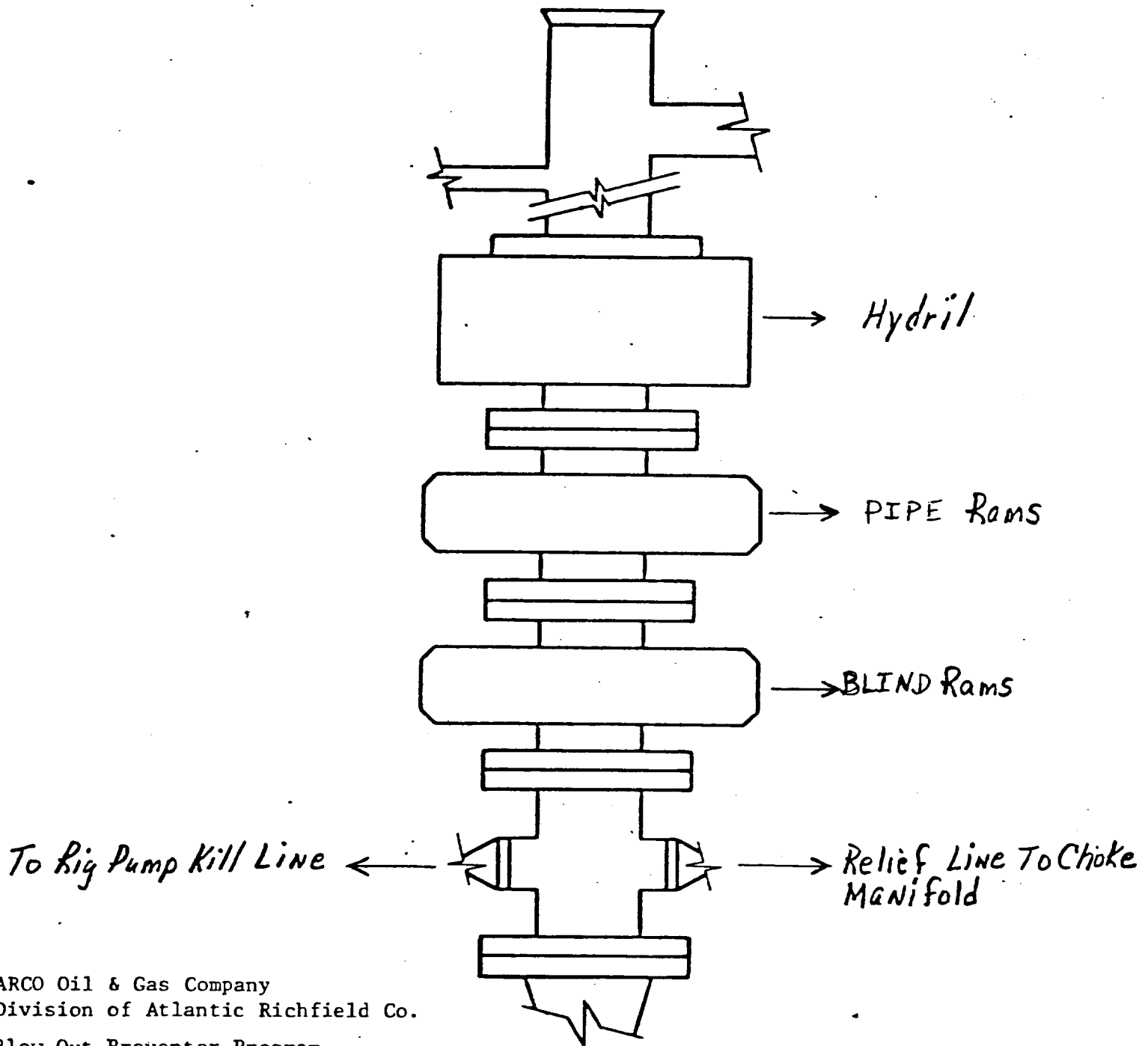
DISTRICT SUPERVISOR

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

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

APR 10 1985



ARCO Oil & Gas Company  
 Division of Atlantic Richfield Co.  
 Blow Out Preventer Program

Lease Name: State "G" TG

Well No: 2

Location: 330' FNL & 990' FWL

Sec 24-18S-33E, Lea County

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.

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## OIL CONSERVATION DIVISION

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088  
SANTA FE, NEW MEXICO 87501Form C-102  
Revised 10-1-78

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

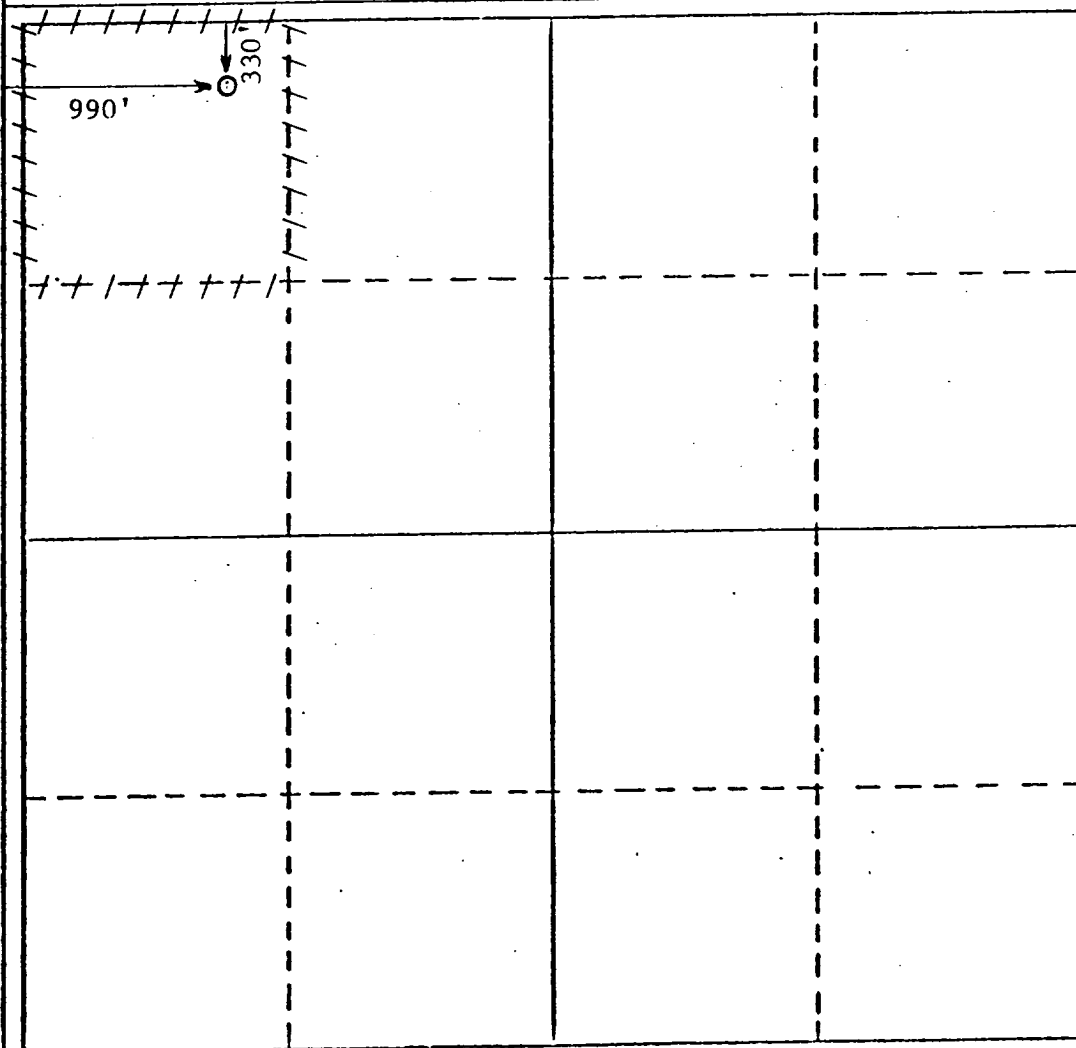
Operator ARCO Oil and Gas Company Division of Atlantic Richfield Company			Lease State "G" TG		Well No. 2
Unit Letter D	Section 24	Township 18S	Range 33E	County Lea	
Actual Postage Location of Well: 330 feet from the North line and 990 feet from the West line					
Ground Level Elev. 3917'	Producing Formation Yates & 7Rivers		Pool E-K Yates 7R Queen		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.

Name

Position

Drig. Engr.

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

Date

4/10/85

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.

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

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