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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

30-025-27870

5A. Indicate Type of Lease	
STATE <input checked="" type="checkbox"/>	FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.	
A-2614	
7. Unit Agreement Name	
8. Farm or Lease Name	
McDonald WN State	
9. Well No.	
31	
10. Field and Pool, or Wildcat	
Jalmat Yates 7R Gas	
12. County	
Lea	
19. Proposed Depth	19A. Formation
3500'	Yates 7R Gas
20. Rotary or C.T.	
Rotary	
21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond
3441.4'	GCA #8
21B. Drilling Contractor	22. Approx. Date Work will start
Marc Drlg. Co.	7/10/82

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"/>	
b. Type of Well	
OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>
2. Name of Operator	
ARCO Oil and Gas Company	
Division of Atlantic Richfield Company	
3. Address of Operator	
P. O. Box 1710, Hobbs, New Mexico 88240	
4. Location of Well	
UNIT LETTER 0	LOCATED 990 FEET FROM THE South LINE
AND 1980 FEET FROM THE East	LINE OF SEC. 24 TWP. 22S RGE. 36E NMPM
19. Proposed Depth	
3500'	
19A. Formation	
Yates 7R Gas	
20. Rotary or C.T.	
Rotary	
21. Elevations (Show whether DF, RT, etc.)	21A. Kind & Status Plug. Bond
3441.4'	GCA #8
21B. Drilling Contractor	22. Approx. Date Work will start
Marc Drlg. Co.	7/10/82

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17½"	13-3/8" OD	54.5# K-55	30' cond	2½ yds Redi-mix	Surf
12¼"	8-5/8" OD	24# K-55	400'	400	Circ
7-7/8"	4½" OD	10.5# K-55	3500'	950 sx	Circ

Propose to drill an infill development well to test producing capabilities of the Yates 7R Gas zone and recover remaining reserves.

Application submitted for non-standard proration unit.

Gas dedicated.

Blowout Preventer Program attached.

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 12/28/82
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.

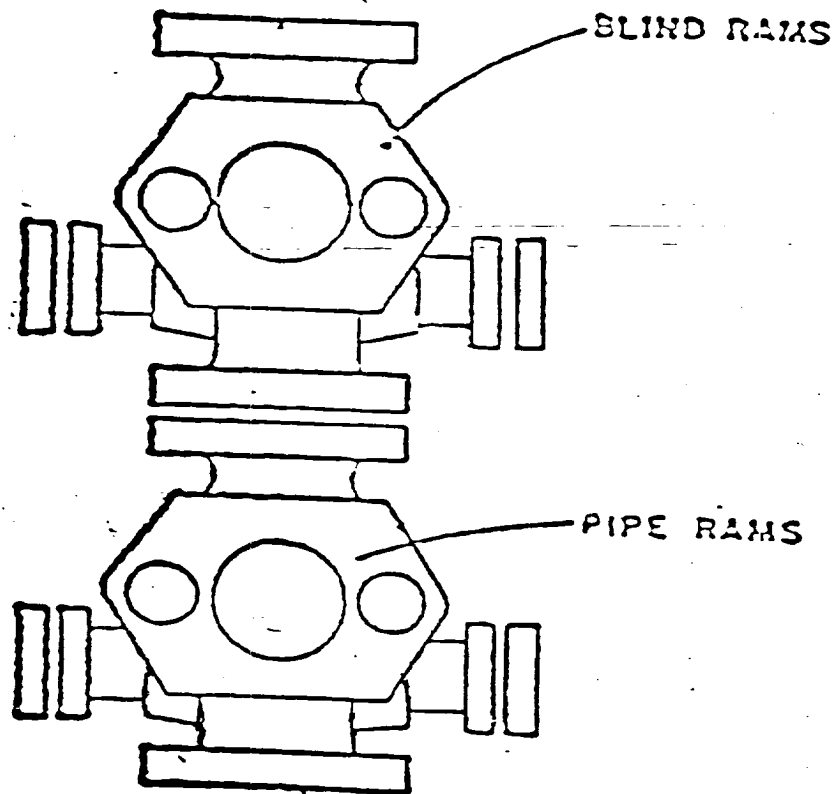
Signed Edgar L. Bush Title Drilling Engr. Date 6/23/82

(This space for State Use Only)

JERRY SEXTON

APPROVED BY DISTRICT 1 SUPR. TITLE DATE JUN 28 1982

CONDITIONS OF APPROVAL, IF ANY:



ARCO Oil & Gas Company

Division of Atlantic Richfield Company

Blow Out Preventer Program

Lease Name McDonald WN State

Well No. 31

Location 990' FSL & 1980' FEL
Sec 24-22S-36E, 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.

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

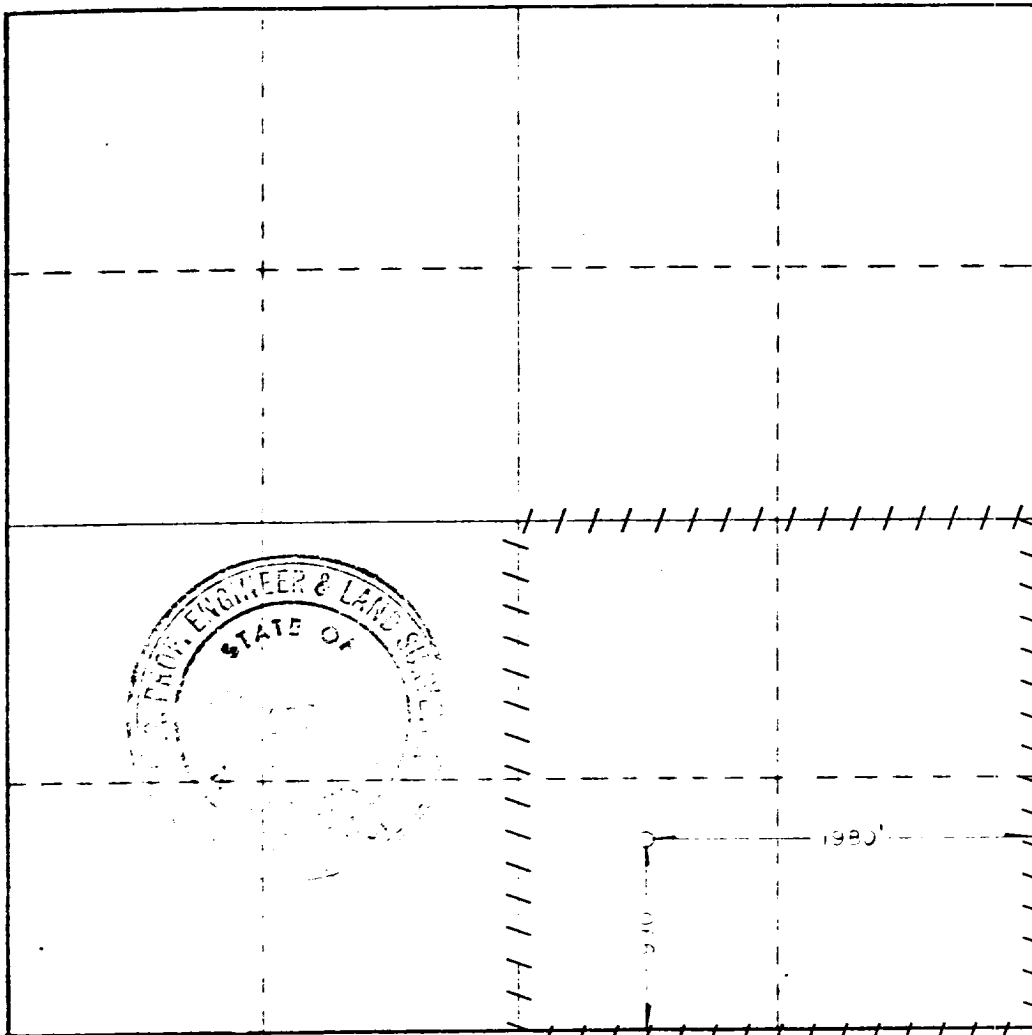
Operator: Division of Atlantic Richfield Co. Arco Oil & Gas Co.			Lease: McDonald ^{WN} State		Well No.: 31
Tract Letter: 0	Section: 24	Township: 22 South	Range: 36 East	County: Lea	
Actual acreage of land on which well is located: 990 feet from the south line and 1980 feet from the east line					
Ground level: 3441.4'	Including Formation: Yates 7R Gas		Form: Jalmat Gas		Dedicated Acreage: 160 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: *Elizabeth V. Bush*

Position: **Drilling Engineer**

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

Date: **6/23/82**

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 of Survey: **5-24-82**

Registered Professional Engineer and Land Surveyor

John W. West
Certificate No. **JOHN W. WEST 876
PATRICK A. ROMERO 8883
Ronald J. Eidson 3239**