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NL MEXICO OIL CONSERVATION COMMISSION

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Form C-101  
Revised 1-1-65

APR 30 1979

O. C. C.

ARTESIA, OFFICE

|                                                                                                      |
|------------------------------------------------------------------------------------------------------|
| 5A. Indicate Type of Lease<br>STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 5. State Oil & Gas Lease No.<br>647-349 647-351                                                      |
| 7. Unit Agreement Name<br>Empire Abo Pressure Maintenance Project                                    |
| 8. Farm or Lease Name<br>Empire Abo Unit "F"                                                         |
| 9. Well No.<br>391                                                                                   |
| 10. Field and Pool, or Wildcat<br>Empire Abo                                                         |
| 12. County<br>Eddy                                                                                   |
| 19. Proposed Depth<br>6300'                                                                          |
| 19A. Formation<br>Abo Reef                                                                           |
| 20. Rotary or C.T.<br>Rotary                                                                         |
| 21B. Drilling Contractor<br>Hondo Drlg. Co.                                                          |
| 22. Approx. Date Work will start<br>5/30/79                                                          |

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

Type of Work

Type of Well

Name of Operator

Address of Operator

Location of Well

UNIT LETTER G LOCATED 1545 FEET FROM THE North LINE

1625 FEET FROM THE East LINE OF SEC. 33 TWP. 17S RGE. 28E NMPM

Elevations (Show whether DF, RT, etc.)

21A. Kind &amp; Status Plug, Bond

21B. Drilling Contractor

22. Approx. Date Work will start

PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP     |
|--------------|----------------|-----------------|---------------|-----------------|--------------|
| 11"          | 8-5/8" OD      | 24# K-55        | 750'          | 675             | Circ to surf |
| 7-7/8"       | 5-1/2" OD      | 15.5# K-55      | 6300'         | 1425            | Circ to surf |
|              |                |                 |               |                 | by 2-staging |

Propose to drill a development well in the Empire Abo Pressure Maintenance Project to more economically recover remaining reserves.

Authority to drill above non-standard location by approval of Administrative Order NSL-999.

Blowout Preventer Program attached.

APPROVAL VALID  
FOR 90 DAYS UNLESS  
DRILLING COMMENCED,

EXPIRES 8-1-79

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 [Signature] Title Dist. Drlg Supt. Date 4/26/79

(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR, DISTRICT II DATE MAY - 1 1979

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 10-65

All distances must be from the outer boundaries of the Section

**ARCO Oil and Gas Company**

Division of Atlantic Richfield Company

Lease

Empire Abo Unit - F

Section  
391

Range 33 Township 17-S Range 28-E County Eddy

1545

feet from the

North

line and

1625

feet from the

East

Line

Ground Level Elev.

3680.6

Producing Formation

Abo Reef

Pool

Empire Abo

Dedication 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 Unitization

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

Position

Dist. Dir. Supt.

**ARCO Oil and Gas Company**

Division of Atlantic Richfield Company

Date

4/26/79

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

November 1, 1973

Registered Professional Engineer and/or Land Surveyor

*John W. West*

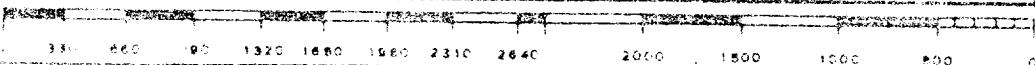
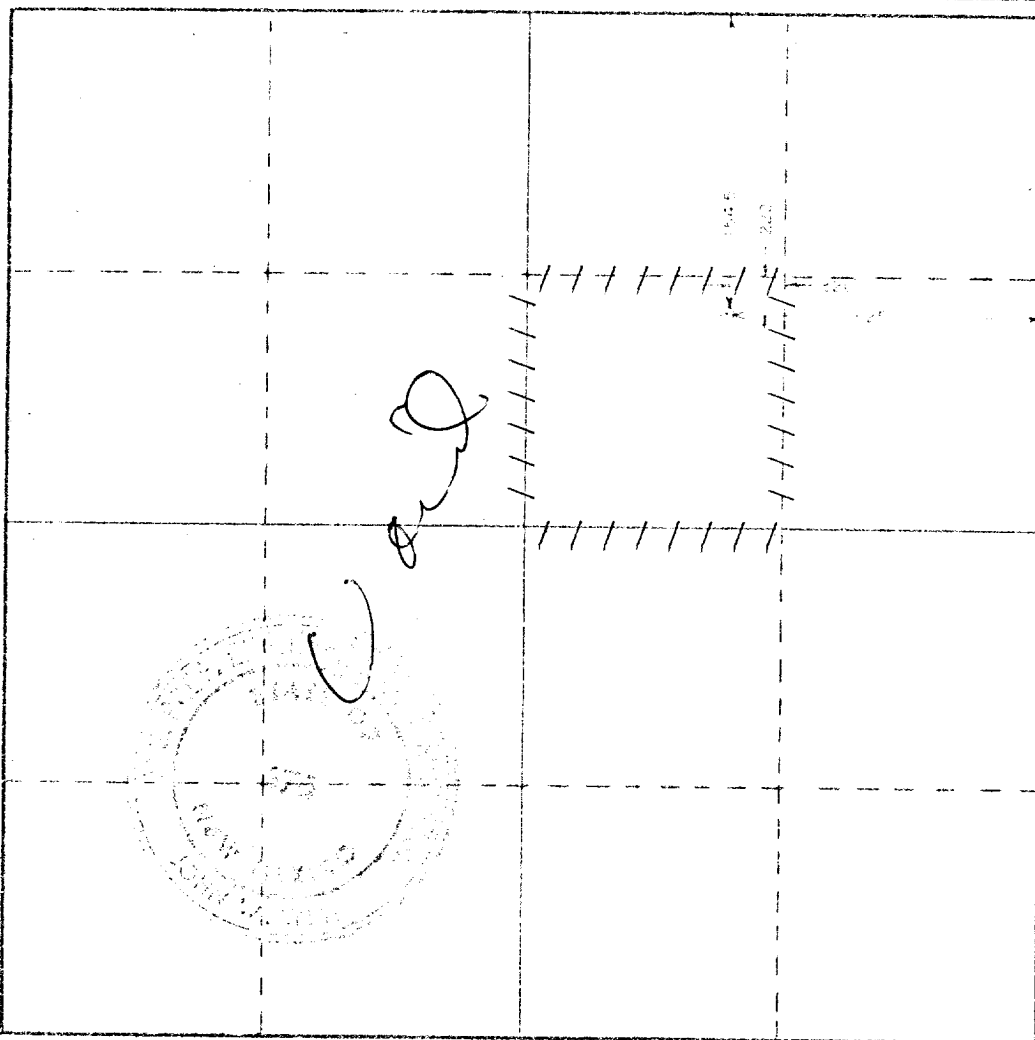
Certificate No.

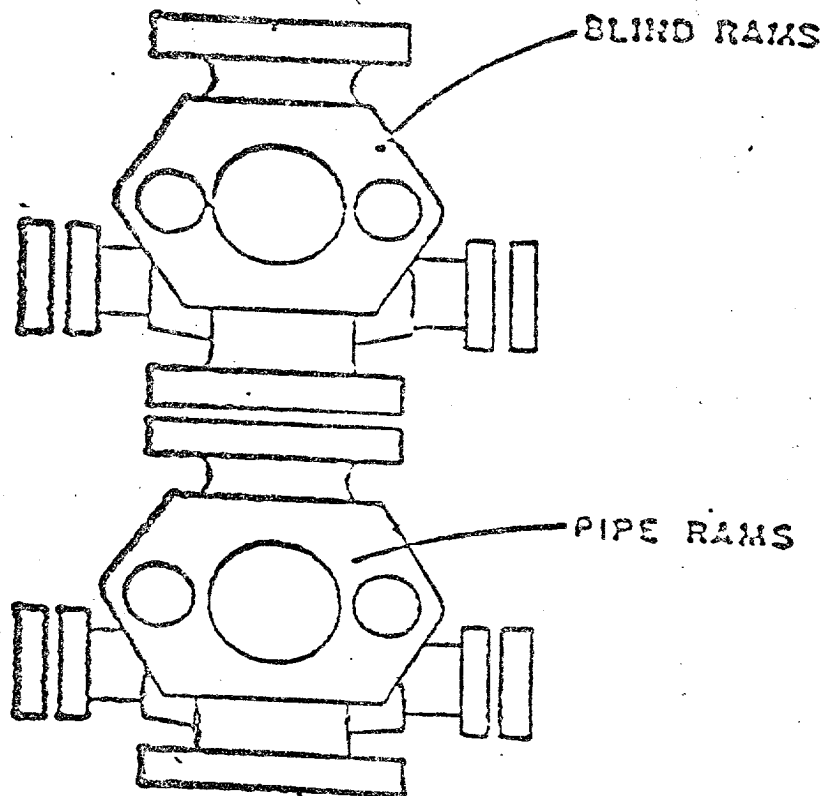
John W. West

676

Ronald J. Eideen

3222





ATLANTIC RICHFIELD COMPANY  
Blow Out Preventer Program

Lease Name Empire Abo Unit "F"

Well No. 391

Location 1545' FNL & 1625' FEL  
Sec 33-17S-28E, Eddy County

BOP to be tested before 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.