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# NEW MEXICO OIL CONSERVATION COMMISSION

NOV 14 1980

O. C. D.  
ARTESIA, OFFICE

30-015-23548

Form C-101  
Revised 1-1-65

5A. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
5. State Oil & Gas Lease No. B-11594-3
7. Unit Agreement Name Empire Abo Pressure Maintenance Project
8. Farm or Lease Name Empire Abo Unit "K"
9. Well No. 211
10. Field and Pool, or Wildcat Empire Abo
12. County Eddy
19. Proposed Depth 6325'
19A. Formation Abo Reef
20. Rotary or C.T. Rotary
21. Elevations (Show whether DF, RT, etc.) 3635.9' GR
21A. Kind & Status Plug. Bond GCA #8
21B. Drilling Contractor Not Selected
22. Approx. Date Work will start 11/17/80

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

1a. Type of Work b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> 2. Name of Operator ARCO Oil & Gas Company, A Division of Atlantic Richfield Company 3. Address of Operator P. O. Box 1710, Hobbs, New Mexico 88240 4. Location of Well UNIT LETTER L LOCATED 1950 FEET FROM THE South LINE AND 1000 FEET FROM THE West LINE OF SEC. 6 TWP. 18S RGE. 28E NMPM	DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>
23. PROPOSED CASING AND CEMENT PROGRAM	

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17-1/2"	16" OD	75# K-55	30'	3 yds Redi Mix	Fill to surf
12-1/4"	9-5/8" OD	36# K-55	1000'	650	Circ to surf
8-3/4"	7" OD	20 & 23# K-55	6220'	1350	Circ to surf

Propose to drill, log and test a conventional well to approx. 6325'. Then using a whipstock, and other specialized drainhole drilling tools, kick off @ approx. 6220' in the Abo and drill 200' of 6 1/4" horizontal drainhole.

Blowout Preventer Program attached.

APPROVAL VASD  
FOR 60 DAYS  
2-21-81

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 W. A. Gressett for I.O.S. Title Dist. Drlg. Supt. Date 11/04/80

(This space for State Use)

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE NOV 21 1980

CONDITIONS OF APPROVAL, IF ANY:

N MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-1  
Superseded G-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section

A Division of

ARCO Oil & Gas Co. Atlantic Richfield Empire Abo Unit "K"

211

1 6 18 South 28 East Eddy

1950 South 1000 West

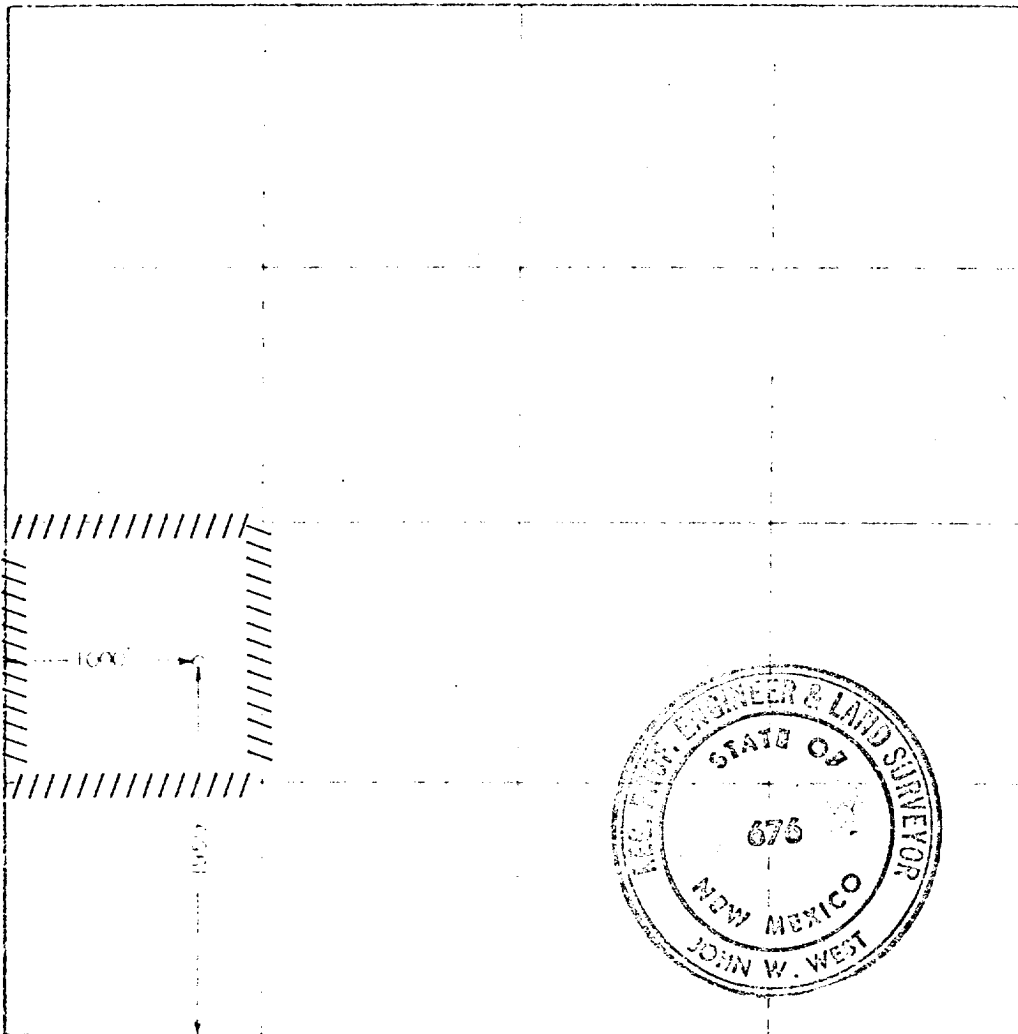
3635.9' Abo Reef Empire Abo 40

1. Outline the acreage dedicated to the subject well by colored pencil or ballpoint 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 owning 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, if so, reverse side of this form if necessary.

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-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 furnished herein is true and complete to the best of my knowledge and belief.

*John W. West* JWS

Dist. Drlg. Supt.

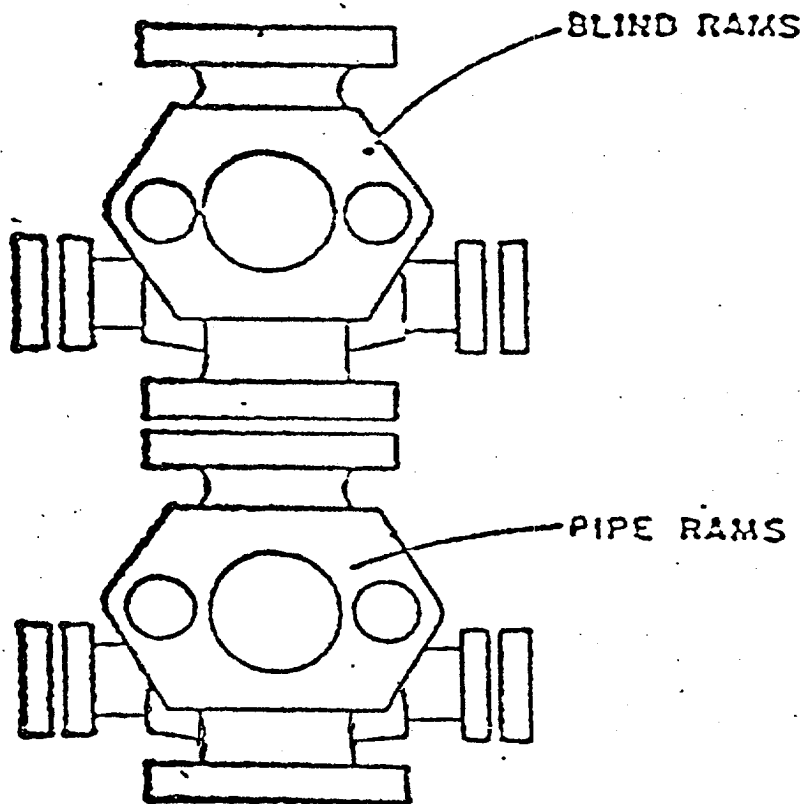
ARCO Oil & Gas Company  
A Div. of Atlantic Richfield

11/04/80

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.

October 1, 1980

*John W. West*  
Certified by JOHN W. WEST 876  
PATRICK A. ROMERO 8853  
Ronald J. Eidson 3239



**ATLANTIC RICHFIELD COMPANY**  
**Blow Out Preventer Program**

**Lease Name** Empire Abo Unit "K"

**Well No.** 211

**Location** Ut. Letter L, 1950' FSL, 1000 FWL,  
Sec. 6, 18S, 28E, Eddy Co, NM

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



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

November 12, 1980

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STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-2434

BRUCE KING  
GOVERNOR

LARRY KEHOE  
SECRETARY

NOV 20 1980

ARCO Oil and Gas Company  
P. O. Box 1610  
Midland, Texas 79702

O. C. D.  
ARTESIA, OFFICE

Attention: Mr. James L. Cawvey

Re: Horizontal Drainholes

Gentlemen:

Pursuant to your application dated October 15, 1980, and the provisions of Rule 14 B of the Special Rules and Regulations for the Empire-Abo Pressure Maintenance Project, approval is hereby granted for the drilling of the following horizontal drainholes:

- (1) Empire Abo Unit J Well No. 241, the surface location to be 1950' FNL and 660' FEL of Section 6, Township 18 South, Range 28 East, with the horizontal drainhole section projected 200 feet northwesterly, and
- (2) Empire Abo Unit K Well No. 211, the surface location to be 1950' FSL and 1000' FWL of Section 6, Township 18 South, Range 28 East with the horizontal drainhole section projected 200 feet northwesterly.

In accordance with Rule 14 B of said special rules and regulations, ARCO must file reports locating the kick-off point and trajectory of each of said wells within 20 days following completion thereof.

Sincerely,

JOE D. RAMEY,  
Director

JDR/RLS/dr

cc: Oil Conservation Division - Artesia  
Oil & Gas Engineering Committee - Hobbs  
Case File 6742