

30-015-23547

Form C-101  
Revised 1-1-65NEW MEXICO OIL CONSERVATION COMMISSION  
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O. C. O.

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OPERATOR	1

5A. Indicate Type of Lease	
STATE <input checked="" type="checkbox"/>	FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.	
647-320	647-368
647-363	

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

1a. Type of Work		7. Unit Agreement Name	
DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		Empire Abo Pressure Maintenance Project	
b. Type of Well		8. Farm or Lease Name	
OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		Empire Abo Unit "J"	
2. Name of Operator		9. Well No.	
ARCO Oil & Gas Co., A Division of Atlantic Richfield Company ✓		241	
3. Address of Operator		10. Field and Pool, or Wildcat	
P. O. Box 1710, Hobbs, New Mexico 88240		X Empire Abo	
4. Location of Well		12. County	
UNIT LETTER <u>H</u> LOCATED <u>1950</u> FEET FROM THE <u>North</u> LINE		Eddy	
AND <u>660'</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>6</u> TWP. <u>18S</u> RGE. <u>28E</u> NMPM			
19. Proposed Depth		19A. Formation	
6350'		Abo Reef	
20. Rotary or C.T.		Rotary	
21. Elevations (Show whether DF, RT, etc.)		22. Approx. Date Work will start	
3657.2' GR		12/01/80	
21A. Kind & Status Plug. Bond		21B. Drilling Contractor	
GCA #8		Not Selected	

23.

## PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17½"	16" OD	75# K-55	30'	3 yd. Redi-Mix	Fill to Surf
12¼"	9-5/8" OD	36# K-55	1000'	650	Circ to surf
8-3/4"	7" OD	20 & 23# K-55	6250'	1375	Circ to surf

Propose to drill, log and test a conventional well to approx. 6350'. Then, using a whipstock and other specialized drainhole drilling tools, kick off @ approx 6250' in Abo and drill 200' of 6¼" horizontal drainhole.

Blowout Preventer Program attached.

Printed ID-1  
API + NL Bonds  
11-2-80

DRILLING COMMENCED,

EXPIRES 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 JWS 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:

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

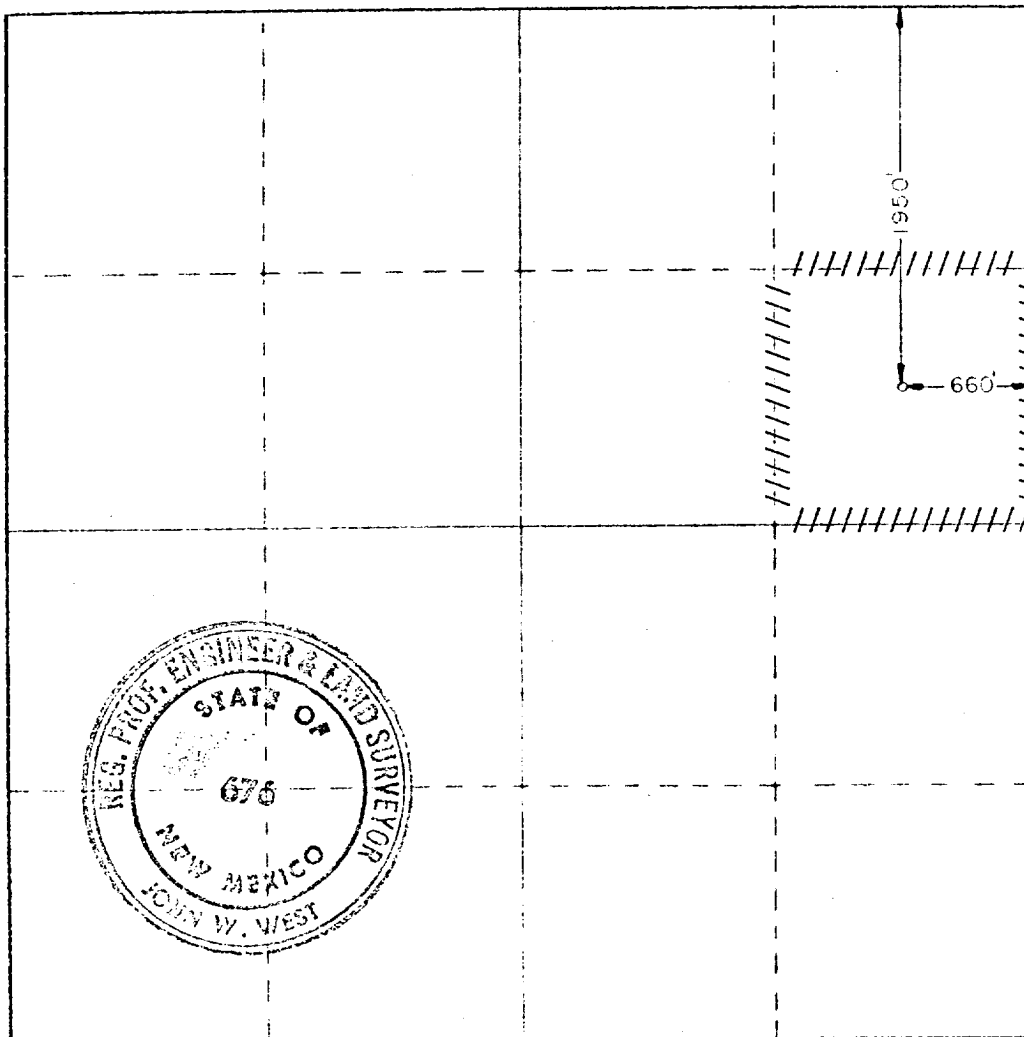
Operator <b>ARCO Oil &amp; Gas Co., Richfield Co.</b>		A Div. of Atlantic		Lease <b>Empire Abo Unit J</b>		Well No. <b>241</b>
Unit Letter <b>H</b>	Section <b>6</b>	Township <b>18 South</b>	Range <b>28 East</b>	County <b>Eddy</b>		
Actual Surface Location of Well: <b>1950</b> feet from the <b>North</b> line and <b>660</b> feet from the <b>East</b> line						
Ground Level Elev. <b>3657.2</b>	Producing Formation <b>Abo Reef</b>		Pool <b>Empire Abo</b>		Dedicated Acreage: <b>40</b> Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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.

*Patrick A. Romero*  
Name

Dist. Drlg. Supt.

Operator **ARCO Oil & Gas Co.,**  
**A Div. of Atlantic Richfield**

Company

**11/04/80**

Date

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

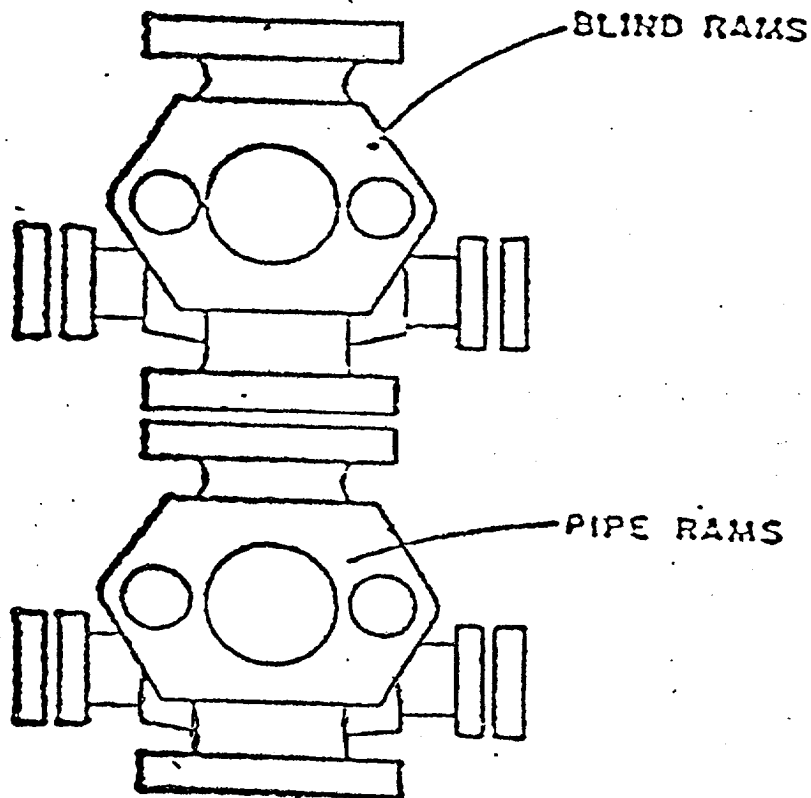
**October 1, 1980**

Registered Professional Engineer  
and/or Land Surveyor

*John W. West*

Certificate No. **JOHN W. WEST 676**  
**PATRICK A. ROMERO 6665**  
**Ronald J. Edison 3239**

330 650 970 1290 1610 1930 2250 2570 2890 3210 3530 3850 4170 4490 4810 5130 5450 5770 6090 6410 6730 7050 7370 7690 8010 8330 8650 8970 9290 9610 9930



ATLANTIC RICHFIELD COMPANY  
Blow Out Preventer Program

Lease Name Empire Abo Unit J

Well No. 241

Location Unit Letter H  
1950' FNL & 660' FEL  
Sec. 6, T18S, R28E, Eddy Co., NM

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.



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

BRUCE KING  
GOVERNOR

LARRY KEHOE  
SECRETARY

November 12, 1980

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POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-2434

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