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MEXICO OIL CONSERVATION COMMISSION

30-015-22824  
Form C-101  
Revised 1-1-65

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FEB 6 1979

5A. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
5. State Oil & Gas Lease No. E-5313
7. Unit Agreement Name Empire Abo Pressure Maintenance Project
8. Farm or Lease Name Empire Abo Unit "L"
9. Well No. 133
10. Field and Pool, or Wildcat X Empire Abo
12. County Eddy
19. Proposed Depth 6100'
19A. Formation Abo Reef
20. Rotary or C.T. Rotary
21. Elevations (Show whether DF, RT, etc.) 3518.5' GR
21A. Kind & Status Plug. Bond GCA #8
21B. Drilling Contractor Hondo Drlg. Co.
22. Approx. Date Work will start 3/1/79

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK			
1a. Type of Work O.C.C. ARTEZIA, OFFICE			
b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			
2. Name of Operator Atlantic Richfield Company ✓			
3. Address of Operator P. O. Box 1710, Hobbs, New Mexico 88240			
4. Location of Well UNIT LETTER M LOCATED 800 FEET FROM THE South LINE AND 950 FEET FROM THE West LINE OF SEC. 2 TWP. 18S RGE. 27E NMPM			
21. Elevations (Show whether DF, RT, etc.) 3518.5' GR			
21A. Kind & Status Plug. Bond GCA #8			
21B. Drilling Contractor Hondo Drlg. Co.			
22. Approx. Date Work will start 3/1/79			

23. 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	1000'	675	Circ to surf
7-7/8"	5-1/2" OD	15.5# K-55	6100'	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~~. Directional drilling of this well approved by Order No. R-5906.

Blowout Preventer Program attached.

APPROVAL VALID  
FOR 90 DAYS UNLESS  
DRILLING COMMENCED,

EXPIRES 5-8-79

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 [Signature] Title Dist. Drlg Supt. Date 2/2/79

(This space for State Use)

APPROVED BY W.A. Gressett TITLE SUPERVISOR, DISTRICT II DATE FEB 8 1979

CONDITIONS OF APPROVAL, IF ANY:

**N MEXICO OIL CONSERVATION COMMISS**  
**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

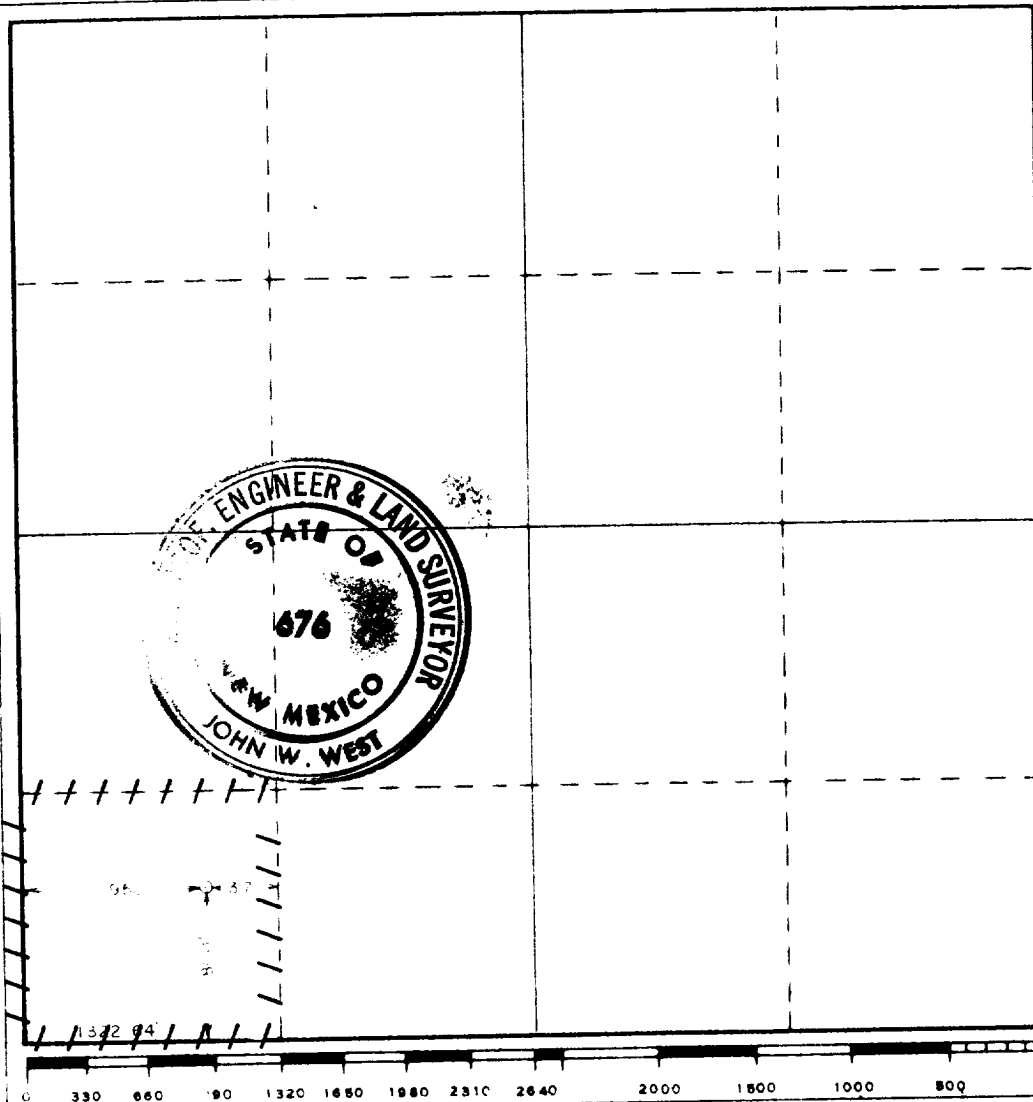
Operator <b>Atlantic Richfield Co.</b>			Lease <b>Empire Abo Unit L</b>		Well No. <b>133</b>
Grid Letter <b>M</b>	Section <b>2</b>	Township <b>18-S</b>	Range <b>27-E</b>	County <b>Eddy</b>	
Actual Footage Location of Well: <b>800</b> feet from the <b>South</b> line and <b>950</b> feet from the <b>West</b> line					
Ground Level Elev. <b>3518.5</b>	Producing Formation <b>Abo Reef</b>	Pool <b>Empire Abo</b>		Dedicated Acreage: <b>40</b> 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**

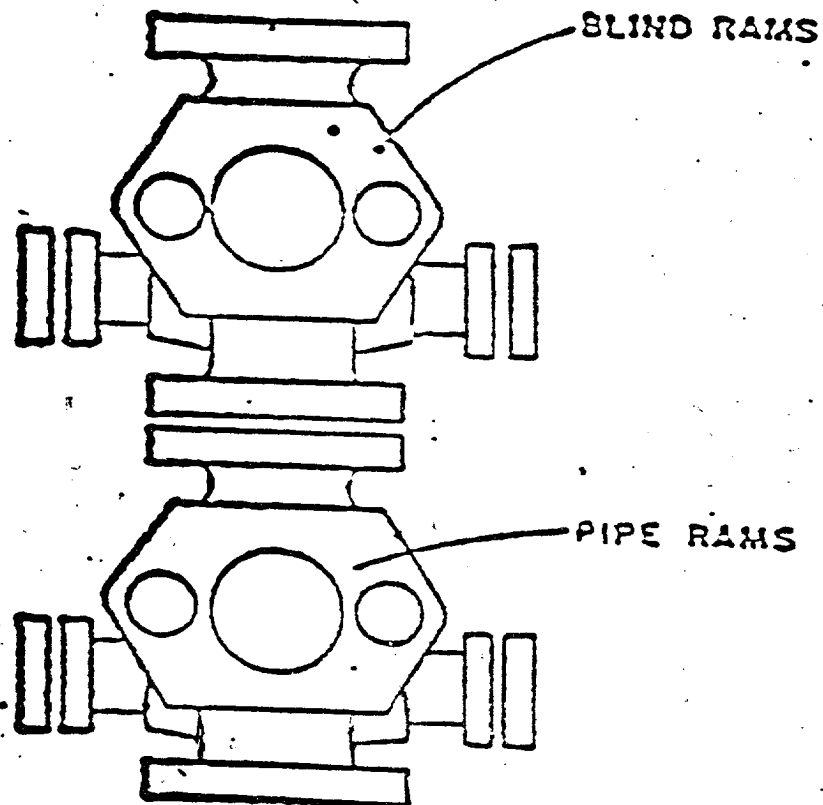
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Name *J. P. [Signature]*  
 Position \_\_\_\_\_  
Dist. Dirg. Supt.  
 Company \_\_\_\_\_  
Atlantic Richfield Company  
 Date \_\_\_\_\_  
2/2/79

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  
October 31, 1978  
 Registered Professional Engineer  
 and/or Land Surveyor

*John W. West*  
 Certificate No. John W. West **676**  
Ronald J. Eidson **3239**



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

**Lease Name** Empire Abo Unit "L"

**Well No.** 133

**Location** 800' FSL & 950' FWL  
Sec 2-18S-27E, 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.

Case # 6409 12-20-78 D.L.M.  
order L-5906 1-16-79

IT IS THEREFORE ORDERED:

(1) That the applicant, Atlantic Richfield Company, is hereby authorized to directional drill four wells on its Empire Unit Area, Empire-Abo Pool, Eddy County, New Mexico, bottoming them at unorthodox locations as follows:

In Township 17 South, Range 28 East:

~~Well No. D-361, surface location 136 feet from the South line and 800 feet from the East line of Section 24, bottom-hole location 300 feet from the North line and 500 feet from the East line of Section 34 in Unit A.~~

~~Well No. E-392, surface location 959 feet from the South line and 2400 feet from the East line, bottom-hole location 600 feet from the North line and 2500 feet from the East line, Section 35 in Unit C.~~

In Township 18 South, Range 27 East:

~~Well No. K-131, surface location 1500 feet from the South line and 600 feet from the West line, bottom-hole location 1600 feet from the South line and 250 feet from the West line. Section 2 in Unit B; and~~

~~Well No. L-133, surface location 800 feet from the South line and 950 feet from the West line, bottom-hole location 1250 feet from the South line and 700 feet from the West line, Section 2 in Unit M.~~

(2) That all of the above wells would be bottomed at orthodox locations within 150 feet of the described bottom-hole locations.

PROVIDED HOWEVER, that subsequent to the above-described directional drilling, should any of said wells be a new well, continuous multi-shot directional survey shall be run in each wellbore from total depth to the surface with shoe points no more than 100 feet apart; that the operator shall cause a surveying company to forward a copy of the survey report directly to the Santa Fe office of the Division, Box 2040, Santa Fe, New Mexico, and that the operator shall notify the Division's Artesia District Office of the date and time said survey is to be commenced.

(3) That Form C-105 shall be filed in accordance with Division Rule 1105 and the operator shall indicate the true vertical depths in addition to measured depths.