

North American Producing Division  
Permian District  
Post Office Box 1610  
Midland, Texas 79701  
Telephone 915 682 8631



June 30, 1977

New Mexico Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico 87501

RECEIVED  
JUL - 6 1977  
OIL CONSERVATION COMM.  
Santa Fe

Attn: Mr. Joe Ramey

NSL - 870  
Rule 14(3) R 4549B

Re: Request for non-standard drilling location  
within the project area of the  
ARCO-Empire Abo Unit Pressure Maintenance Project  
Eddy County, New Mexico

Gentlemen:

One July 26

Atlantic Richfield Company, as operator of the Empire Abo Unit Pressure Maintenance Project, acting on behalf of itself and the other participating working interest owners, requests administrative approval under the provisions of Order No. R-4549-B, Rule 14, under "Special Rules and Regulations for the Empire Abo Pressure Maintenance Project," for the drilling of two unit wells at non-standard locations (locations shown on exhibits).

The proposed drilling of the subject wells at the non-standard locations meet all requirements of Order R-4549-B, Rule 14, said wells being located "no closer than 660 feet to the outer boundary of said unit, nor closer than 10 feet to any quarter-quarter section or subdivision inner boundary."

The proposed drilling of these wells will be necessary to complete a more efficient producing pattern to conserve reservoir energy, promote the greatest ultimate recovery of unit reserves, prevent waste, and protect correlative rights.

Very truly yours,

J. L. Tweed

J. L. Tweed

WWC/agp

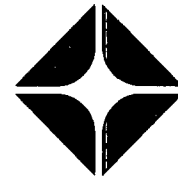
Unit F Well # 333 1286' FNL & 1602' FNL  
Sec 34 T 17S, R 28E

660' outer boundary  
10' 1/4

Unit F Well # 341 1326' FNL & 2593' FNL  
Sec 34 T 17S, R 28E

Eddy Co.

North American Producing Division  
Permian District  
Post Office Box 1610  
Midland, Texas 79701  
Telephone 915 682 8631



June 30, 1977

New Mexico Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Attn: Mr. Joe Ramey

Re: Notification of offset operators to  
proposed non-standard drilling locations  
within the project area of the  
ARCO-Empire Abo Unit Pressure Maintenance Project  
Eddy County, New Mexico

Gentlemen:

Atlantic Richfield Company, operator of the Empire Abo  
Unit Pressure Maintenance Project, in accordance with  
Order No. R-4549-B, Rule 14(3), under "Special Rules  
and Regulations for the Empire Abo Pressure Maintenance  
Project," has notified all offset operators of the pro-  
posed non-standard locations with a complete application.

Attached is a list of the offset operators to the proposed  
non-standard locations and the date they were notified.

Very truly yours,

J. L. Tweed

WWC/agp

Enc.

Offset Operators to the Proposed Non-Standard  
Drilling Location Within the Project Area of  
the ARCO-Empire Abo Unit Pressure Maintenance  
Project

<u>Operator</u>	<u>Date of Notification</u>
1) Depco, Inc. 800 Central Odessa, Texas 79761	June 30, 1977
2) Franklin, Aston, and Fair, Inc. P. O. Box 1090 Roswell, New Mexico 88201	June 30, 1977

ATLANTIC RICHFIELD COMPANY  
Empire Abo Unit  
Eddy County, New Mexico

<u>Well Name &amp; Number</u>	<u>Location</u>
Empire Abo Unit F-333	1602' FNL & 1286' FWL Section 34, T-17S, R-28E
Empire Abo Unit F-341	1326' FNL & 2593' FWL Section 34, T-17S, R-28E

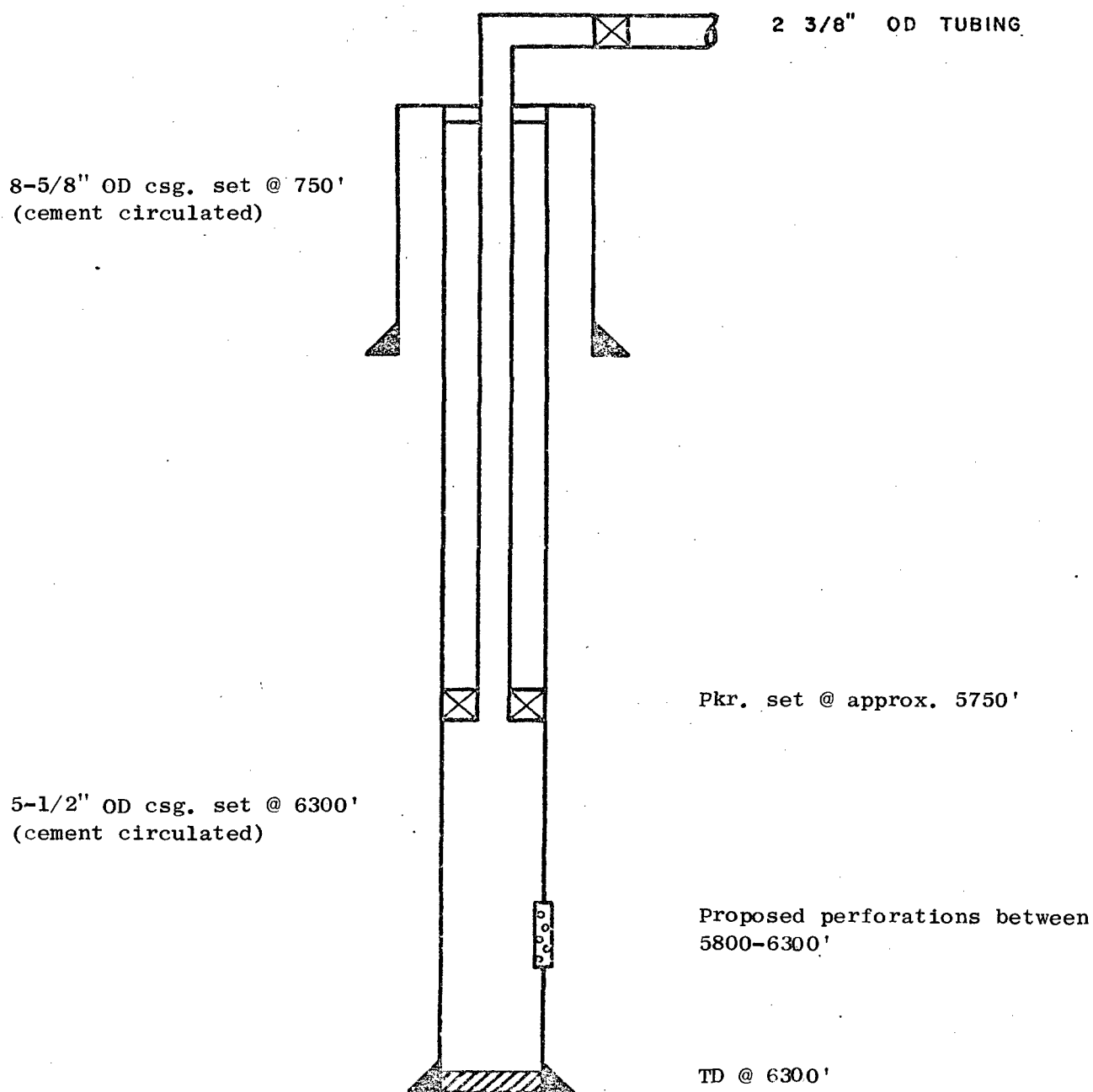
# PROPOSED PRODUCING WELL DIAGRAM

ATLANTIC RICHFIELD COMPANY

EMPIRE ABO UNIT F-333

1602' FNL & 1286' FWL, Sec. 34, T-17S, R-28E

Eddy County, New Mexico



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

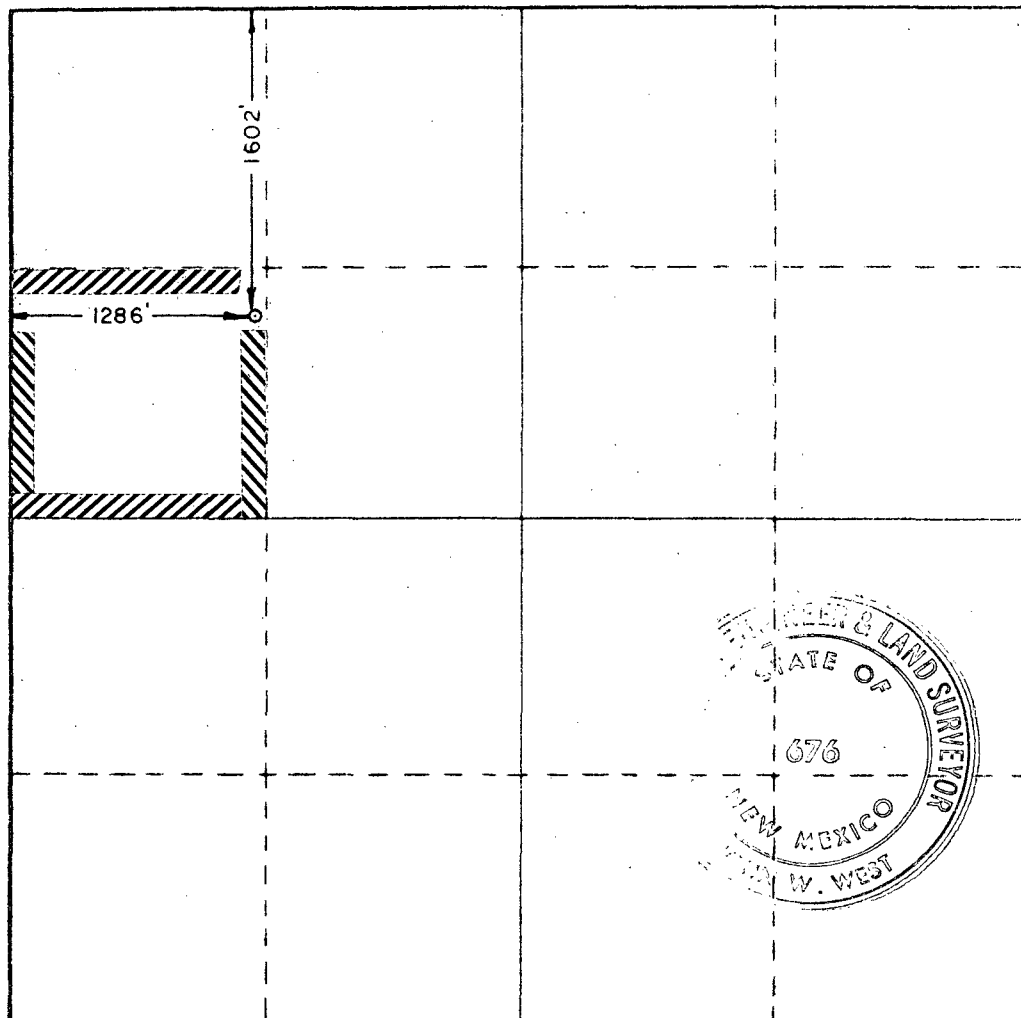
Operator <b>Atlantic Richfield Co.</b>			Lease <b>Empire Abo Unit F</b>		Well No. <b>333</b>
Unit Letter <b>E</b>	Section <b>34</b>	Township <b>17 South</b>	Range <b>28 East</b>	County <b>Eddy</b>	
Actual Footage Location of Well:					
<b>1286</b> feet from the <b>West</b> line and		<b>1602</b> feet from the <b>North</b> line			
Ground Level Elev. <b>3672.7</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 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 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.

*Woodrow Coleman*  
Name

**Woodrow Coleman**

Position

**Operations Engineer**

Company

**Atlantic Richfield Company**

Date

**June 28, 1977**

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

**June 23, 1977**

Registered Professional Engineer and/or Land Surveyor

*John W. West*  
Certificate No. **676**

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600 6930 7260 7590 7920 8250 8580 8910 9240 9570 9900

**NEW MEXICO OIL CONSERVATION COMMISSION  
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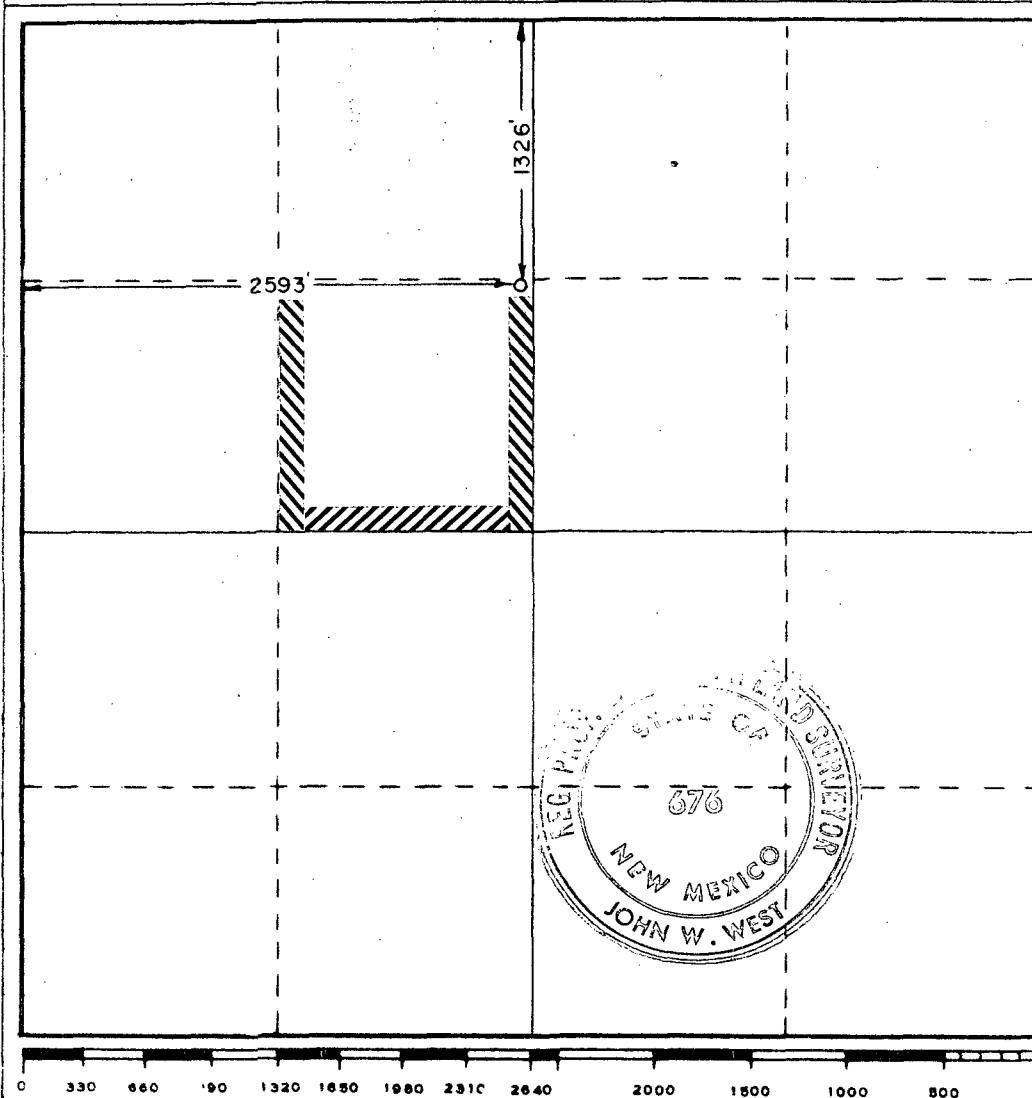
Operator <b>Atlantic Richfield Co.</b>			Lease <b>Empire Abo Unit F</b>		Well No. <b>341</b>
Unit Letter <b>F</b>	Section <b>34</b>	Township <b>17 South</b>	Range <b>28 East</b>	County <b>Eddy</b>	
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between;"> <span><b>1326</b> feet from the <b>North</b> line and</span> <span><b>2593</b> feet from the <b>West</b> line</span> </div>					
Ground Level Elev. <b>3673.0</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.
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**CERTIFICATION**

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

*Woodrow Coleman*  
Name

**Woodrow Coleman**  
Position

**Operations Engineer**  
Company

**Atlantic Richfield Company**  
Date

**June 28, 1977**

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Date Surveyed

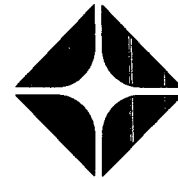
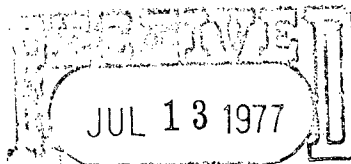
**June 23, 1977**

Registered Professional Engineer  
and/or Land Surveyor

*John W. West*  
Certificate No. **676**

AtlanticRichfieldCompany

North American Producing Division  
Permian District  
Post Office Box 1610  
Midland, Texas 79701  
Telephone 915 682 8631



July 11, 1977

OIL CONSERVATION COMM.  
Santa Fe

New Mexico Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Attn: Mr. Capitano

RE: Proposed New Well Locations  
Empire Abo Unit  
Eddy County, New Mexico

Gentlemen:

Atlantic Richfield Company, as Operator of the Empire Abo Unit Pressure Maintenance Project, submits this additional information to its request to drill two unit wells at non-standard locations.

The proposed Unit Wells F-333 and F-341 meet all requirements of order R-4549-B, Rule 14, said wells being located "no closer than 660 feet to the outer boundary of said unit, nor closer than 10 feet to any quarter-quarter section or sub-division inner boundary."

The dimensions of the quarter-quarter sections are from the United States Department of Interior General Land Office Dependent Resurvey Plat of T17S, R28E, dated February 12, 1944. The well locations were staked by John West Engineering of Hobbs, New Mexico.

This additional data should clear questions concerning well locations of the two proposed Unit wells. If, however, there is anything else that I can assist you with; do not hesitate to call.

Very truly yours,

J. L. Tweed

WC/ad



Supersedes C-128  
Effective 1-1-65

PLAT **RECEIVED**  
ction  
JUL 13 1971  
Unit F Well

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

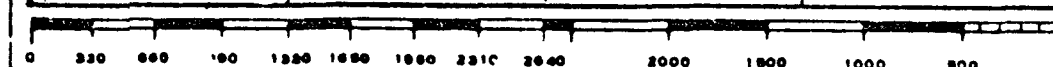
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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.



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

Woodrow Coleman

## Operations Engineer

Atlantic Richfield Company

July 11, 1977

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.

**June 23, 1977**

John W West

Certificate No.

676

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.

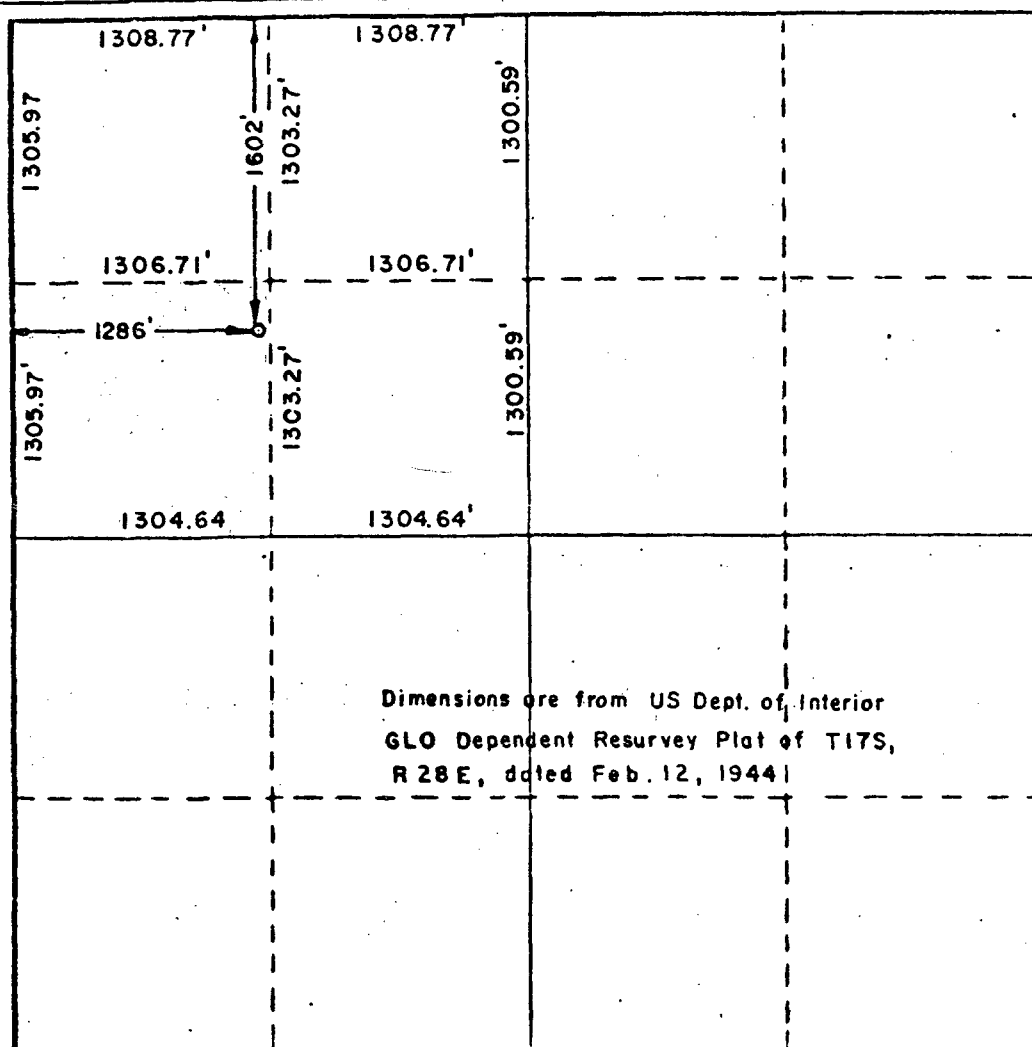
Operator <b>Atlantic Richfield Co.</b>		Lease <b>Empire Abo Unit F</b>		Well No. <b>333</b>	
Unit Letter <b>E</b>	Section <b>34</b>	Township <b>17 South</b>	Range <b>28 East</b>	County - <b>CONSERVATION</b> <b>Eddy</b>	
Actual Footage Location of Well: <b>1286</b> feet from the <b>West</b> line and <b>1602</b> feet from the <b>North</b> line					
Ground Level Elev. <b>3672.7</b>	Producing Formation <b>Abo Reef</b>		Pool <b>Empire Abo</b>	Dedicated Acreage: <b>40</b> Acres	

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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  
**Woodrow Coleman**

Position  
**Operations Engineer**

Company  
**Atlantic Richfield Company**

Date  
**July 11, 1977**

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  
**June 23, 1977**

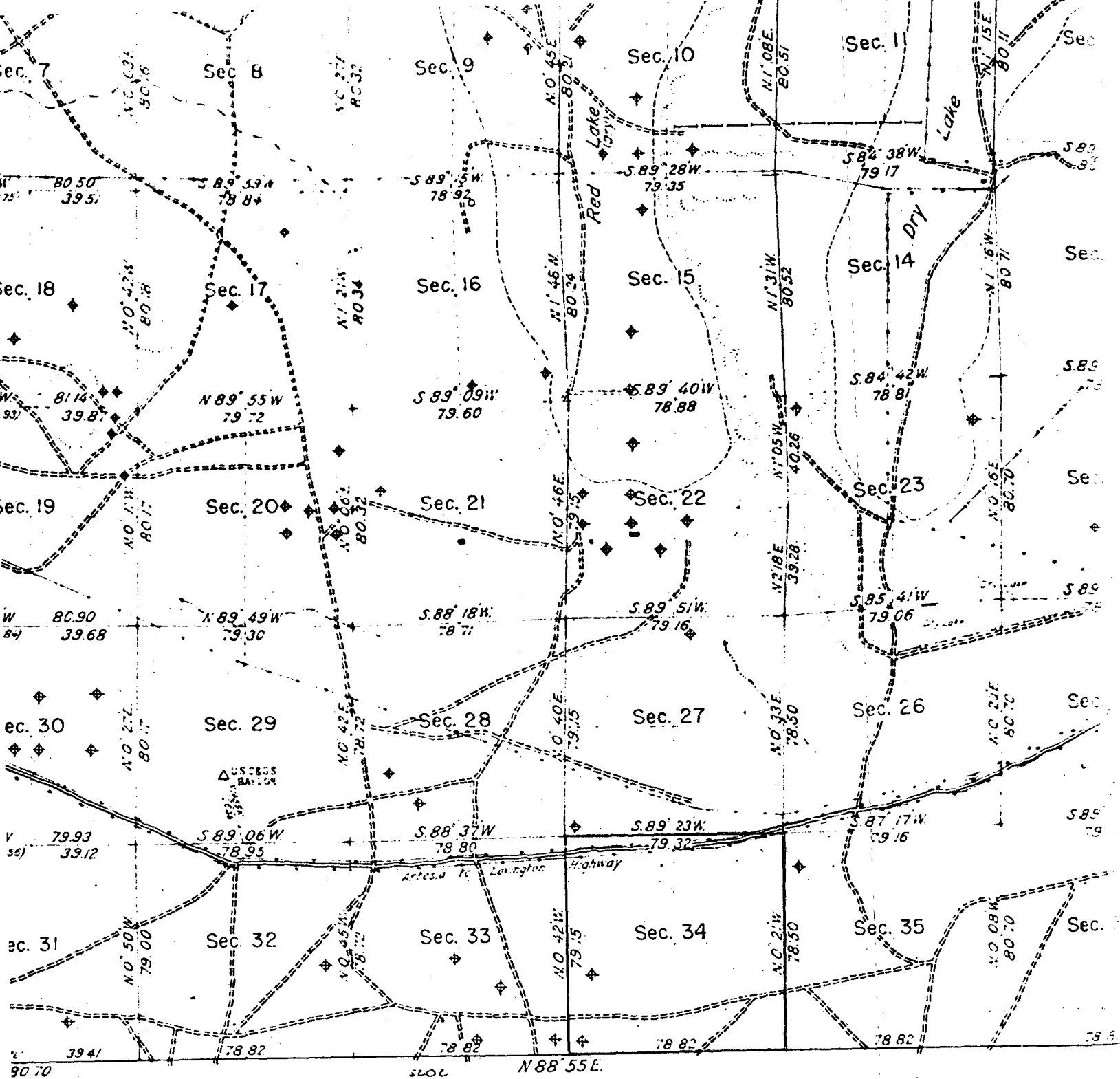
Registered Professional Engineer and/or Land Surveyor

*John W. West*

Certificate No.

**676**

0 200 400 600 800 1000 1200 1400 1600 1800 2000 2200 2400 2600 2800 3000



UNITED STATES OF AMERICA

1 INCH EQUALS 40 CHAINS.

AREA RESURVEYED, 23131.92 ACRES.

GROUP NO.	DATE OF SPECIAL INSTRUCTIONS	WHEN SURVEYED	
		BEGUN	COMPLETED
481	JAN. 15, 1941.	JAN. 27, 1941.	MARCH 29, 1941.
"	"	"	"

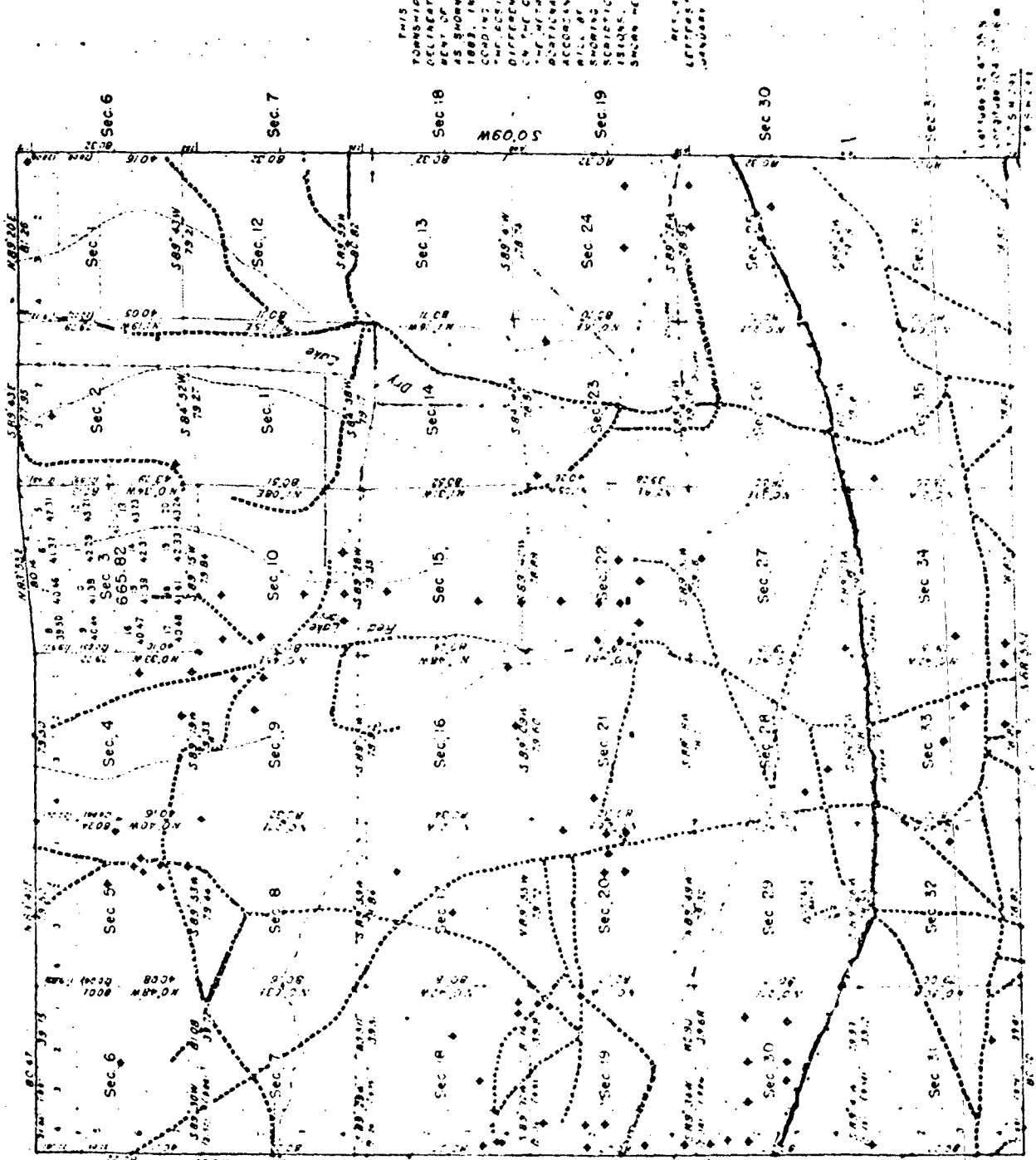
DENVER, COLORADO, FEBRUARY 12, 1944.  
THIS PLAT OF TOWNSHIP NO. 17 SOUTH, RANGE 28 EAST, OF THE NEW MEXICO PRINCIPAL MERIDIAN, NEW MEXICO, IS STRICTLY CONFORMABLE TO THE FIELD NOTES OF THE SURVEY THEREOF WHICH HAVE BEEN EXAMINED AND APPROVED.

*Diana Johnson*  
SPECIAL AGENT IN CHARGE

FROM OIL AND GAS MAPS OF THE GEOLOGICAL SURVEY AND BOTH COORDINATED WITH SECTION LINE CONTROL.

T17S - R28E - R

ent Resurvey



THIS PLAT OF THE DEEDS OF RESURVEY OF TOWNSHIP NO. 17 SOUTH, RANGE NO. 28 EAST, DECLARED A DEFECTIVE AND REESTABLISHED BY THE LINES OF THE ORIGINAL SURVEY AS SHOWN ON THE PLAT APPROVED BY THE COMMISSIONER OF THE PUBLIC LANDS, FEBRUARY 26, 1900, IN THEIR ORIGINAL POSITIONS, ACCORDING TO THE BEST AVAILABLE EVIDENCE OF THE SECTION OF THE ORIGINAL CORNERS. ALL DIFFERENCES BETWEEN THE REESTABLISHED SHOWINGS OF THE ORIGINAL PLAT AND THE PLAT HEREIN ARE THE RESULT OF THE REESTABLISHMENT OF THE ORIGINAL CORNERS, AND THE REESTABLISHED SHOWINGS OF THE ORIGINAL CORNERS WILL BE MADE TO THE ORIGINAL PLAT FOR THE PURPOSE OF THE REESTABLISHMENT OF THE ORIGINAL CORNERS, AND THE REESTABLISHED SHOWINGS OF THE ORIGINAL CORNERS WILL BE MADE TO THE ORIGINAL PLAT FOR THE PURPOSE OF THE REESTABLISHMENT OF THE ORIGINAL CORNERS, AND THE REESTABLISHED SHOWINGS OF THE ORIGINAL CORNERS WILL BE MADE TO THE ORIGINAL PLAT FOR THE PURPOSE OF THE REESTABLISHMENT OF THE ORIGINAL CORNERS.

RECEIVED AT COMMISSIONER'S OFFICE JANUARY 2, 1901.

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NEED MAGNETIC DECLINATION, 430E	SCALE 1 INCH EQUALS 40 CHAINS	AREA RESURVEYED, 2535.97 ACRES
UNITS DESIGNATED	BY WHOM SURVEYED	DATE OF SPECIAL INSTRUCTIONS
ESTABLISHED BY	REDELL & WALL	JAN 27, 1901
REDELL & WALL		MARCH 29, 1901

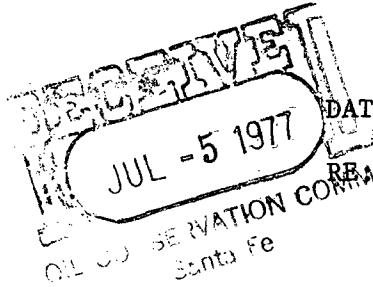
THIS PLAT OF TOWNSHIP NO. 17 SOUTH, RANGE NO. 28 EAST, OF THE NEW MEXICO PRINCIPAL MERIDIAN, IN ACCORDANCE WITH THE ACT OF CONGRESS, APRIL 22, 1804, AND THE ACT OF CONGRESS, FEBRUARY 26, 1900, IS HEREBY APPROVED BY THE COMMISSIONER OF THE PUBLIC LANDS, FEBRUARY 26, 1900.

David R. Hemen

Carl Lewis Webster

OIL CONSERVATION COMMISSION  
Artesia DISTRICT

OIL CONSERVATION COMMISSION  
BOX 2088  
SANTA FE, NEW MEXICO



DATE 7-1-77  
RE. Proposed MC \_\_\_\_\_  
Proposed DHC \_\_\_\_\_  
Proposed NSL X \_\_\_\_\_  
Proposed SWD \_\_\_\_\_  
Proposed WFX \_\_\_\_\_  
Proposed PMX \_\_\_\_\_

Gentlemen:

I have examined the application dated 6-30-77  
for the Atlantic Richfield Co Empire also unit F # 333-E-34-17-28  
Operator Lease and Well No. Unit, S-T-R  
" " " " F # 341-F " " "

and my recommendations are as follows:

approval  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Yours very truly,

W.A. Gressett