

Atlantic Richfield Company

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

REC 1978  
NEW MEXICO OIL AND GAS CONSERVATION COMMISSION  
Santa Fe



April 4, 1978

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

Attn: Mr. J. D. Ramey

Re: Request for Non-Standard Drilling Locations  
Within the Project Area of the ARCO-Empire  
Abo Unit Pressure Maintenance Project  
Eddy County, New Mexico

*NSL-937  
Order R4549-B  
Rule 14  
4-26-78*

Gentlemen:

Atlantic Richfield Company, 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 25 Unit wells at non-standard locations shown on the attached Exhibit 1.

*Do like  
NSL 915*

The proposed 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 is 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,

ATLANTIC RICHFIELD COMPANY

*J. L. Tweed*  
J. L. Tweed  
District Engineer

IJN/agp

cc: Mr. Bill Gressett  
New Mexico Oil Conservation Commission  
Artesia, New Mexico

Atlantic Richfield Company

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



April 4, 1978

APR 06 1978  
OIL CONSERVATION CO.  
SANTA FE

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

Attn: Mr. J. D. Ramey

Re: Notification of Offset Operators to  
Proposed Non-Standard Drilling Locations  
Within the Project Area of the ARCO-  
Empire Abo Unit  
Pressure Maintenance Report  
Eddy County, New Mexico

Gentlemen:

Atlantic Richfield Company, as 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 proposed non-standard locations with a complete application.

Attached are names and addresses of the offset operators to the proposed non-standard location and the date that they were notified.

Very truly yours,

J. L. Tweed  
District Engineer

IJN/agp

ALL OFFSET OPERATORS  
to the  
PROPOSED NON-STANDARD DRILLING LOCATIONS  
WITHIN THE PROJECT AREA OF THE ARCO-EMPIRE  
ABO UNIT PRESSURE MAINTENANCE PROJECT

All the following offset operators were notified by registered  
mail April 4, 1978

DEPCO, Inc.  
800 Central  
Odessa, Texas 79761

C. E. LaRue &  
B. N. Muncy, Jr.  
P. O. Box 196  
Artesia, New Mexico 88210

C. O. Fulton  
P. O. Box 1121  
Artesia, New Mexico 88210

Herman Ledbetter  
874 Amarillo  
Abilene, Texas 79602

J. B. Adamson  
P. O. Box 727  
Artesia, New Mexico 88210

American Petrofina Co. of Texas  
P. O. Box 1311  
Big Spring, Texas

Brunham and Company  
P. O. Box 257  
Artesia, New Mexico 88210

Franklin, Aston, and Fair, Inc.  
P. O. Box 1090  
Roswell, New Mexico 88201

Kincaid & Watson Drlg. Co.  
P. O. Box 498  
Artesia, New Mexico 88210

William E. Jeffers  
P. O. Box 65  
Artesia, New Mexico 88210

B & D Oil Company  
P. O. Box 804  
Hobbs, New Mexico

Yates Drilling Company  
207 South Fourth  
Artesia, New Mexico 88210

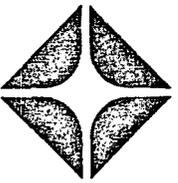
Marbob Energy Corporation  
Artesia, New Mexico 88210

EXHIBIT 1

ATLANTIC RICHFIELD COMPANY  
EMPIRE ABO UNIT  
PHASE V

UNIT WELL	LOCATION	ELEV. - G.L.
F-362	1850' FNL & 350' FEL	3674.6'
F-352	1330' FNL & 1980' FEL	3670.3'
F-353	2400' FNL & 2350' FEL	3661.4'
F-322	2480' FNL & 500' FEL	3665.2'
G-333	2100' FSL & 1100' FWL	3660.2'
G-313	2000' FSL & 2450' FEL	3662.5'
H-312	815' FSL & 2525' FEL	3664.9'
H-302	1250' FSL & 1925' FWL	3670.9'
H-303	800' FSL & 1340' FWL	3665.6'
H-294	1200' FSL & 700' FWL	3666.2'
H-295	700' FSL & 10' FWL	3666.4'
H-281	200' FSL & 660' FEL	3663.4'
I-291	200' FNL & 350' FWL	3662.7'
I-283	175' FNL & 300' FEL	3661.0'
J-234	1900' FNL & 2441' FEL	3677.6'
J-212	1900' FNL & 100' FWL	3649.7'
J-213	1950' FNL & 1300' FWL	3647.8'
J-214	2450' FNL & 400' FWL	3650.1'
J-203	2400' FNL & 700' FEL	3650.9'
K-193	2150' FSL & 2450' FEL	3635.4'
K-194	1500' FSL & 2130' FEL	3618.3'
L-154	750' FSL & 2550' FEL	3553.4'
L-142	100' FSL & 1950' FWL	3555.6'
L-143	1200' FSL & 1900' FWL	3528.0'
M-132	625' FNL & 175' FWL	3540.6'

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



July 28, 1978

Energy & Minerals Department  
Oil Conservation Division  
P. O. Box 2088  
Santa Fe, New Mexico 87501

JUL 31 1978  
Santa Fe

Attn: Mr. Joe Ramey

Re: Request for a change in Administrative Order  
NSL-937 Non-Standard Drilling Locations  
within the Project Area of ARCO-Empire Abo  
Unit, Eddy County, New Mexico

Gentlemen:

*Two separate actions required*

Atlantic Richfield Company, as operator of the  
Empire Abo Unit Pressure Maintenance Project, acting  
on behalf of itself and other working owners, re-  
quests an amendment of administrative order NSL-937  
dated April 26, 1978, inasmuch as the following:

- a. Unit well J-213 located 1950' FNL & 1300' FWL, Section 6, T-18S, R-28E is deleted
- b. Unit well J-214 located 2450' FNL & 400' FWL, Section 6, T-18S, R-28E will be re-named "J-213"
- c. Unit well L-154 previously located at 750' FSL & 2550' FEL of Section 2, T-18S, R-27E is moved to a new location at 800' FSL & 2500' FEL of Section 2, T-18S, R-27E
- d. Unit well K-193 previously located at 2150' FSL & 2450' FEL of Section 1, T-18S, R-27E is moved to a new location at 2490' FSL & 2200' FEL of Section 1, T-18S, R-27E
- e. Unit well I-261 is added at a location 1080' FNL & 1914' FWL Section 5, T-18S, R-28E

*Amend  
NSL  
937*

*NSL-969  
New NSL  
Rule 14  
R 4549  
B*

The above changes 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."

*All Aug  
20, 1978*

Energy & Minerals Department

July 28, 1978

Page 2

The proposed drilling of these wells is necessary in order 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

IJN:ns

cc: Mr. Bill Gressett  
New Mexico Oil Conservation Commission  
Artesia, New Mexico

*Division*

OIL CONSERVATION ~~COMMISSION~~ *Artesia* DISTRICT

*hsl-937*

*Division*  
OIL CONSERVATION ~~COMMISSION~~  
BOX 2088  
SANTA FE, NEW MEXICO

DATE *5-1-78*

RE: Proposed MC \_\_\_\_\_  
Proposed DHC \_\_\_\_\_  
Proposed NSL *X* \_\_\_\_\_  
Proposed SWD \_\_\_\_\_  
Proposed WFX \_\_\_\_\_  
Proposed PMX \_\_\_\_\_

*7-2-1978*

Gentlemen:

I have examined the application dated *4-4-78*  
for the *Atlantic Richfield Co.* *see attached list*  
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

*Approval*  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Yours very truly,

*W. A. Gessett*

RECEIVED

EXHIBIT 1

APR 5 1978

D.C.C.  
ARTESIA, OFFICE

ATLANTIC RICHFIELD COMPANY  
EMPIRE ABO UNIT  
PHASE V

APR 2 1978

UNIT WELL	LOCATION	ELEV. - G.L.
F-362	1850' FNL & 350' FEL	3674.6'
F-352	1330' FNL & 1980' FEL	3670.3'
F-353	2400' FNL & 2350' FEL	3661.4'
F-322	2480' FNL & 500' FEL	3665.2'
G-333	2100' FSL & 1100' FWL	3660.2'
G-313	2000' FSL & 2450' FEL	3662.5'
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H-302	1250' FSL & 1925' FWL	3670.9'
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H-295	700' FSL & 10' FWL	3666.4'
H-281	200' FSL & 660' FEL	3663.4'
I-291	200' FNL & 350' FWL	3662.7'
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K-194	1500' FSL & 2130' FEL	3618.3'
L-154	750' FSL & 2550' FEL	3553.4'
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L-143	1200' FSL & 1900' FWL	3528.0'
M-132	625' FNL & 175' FWL	3540.6'

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.

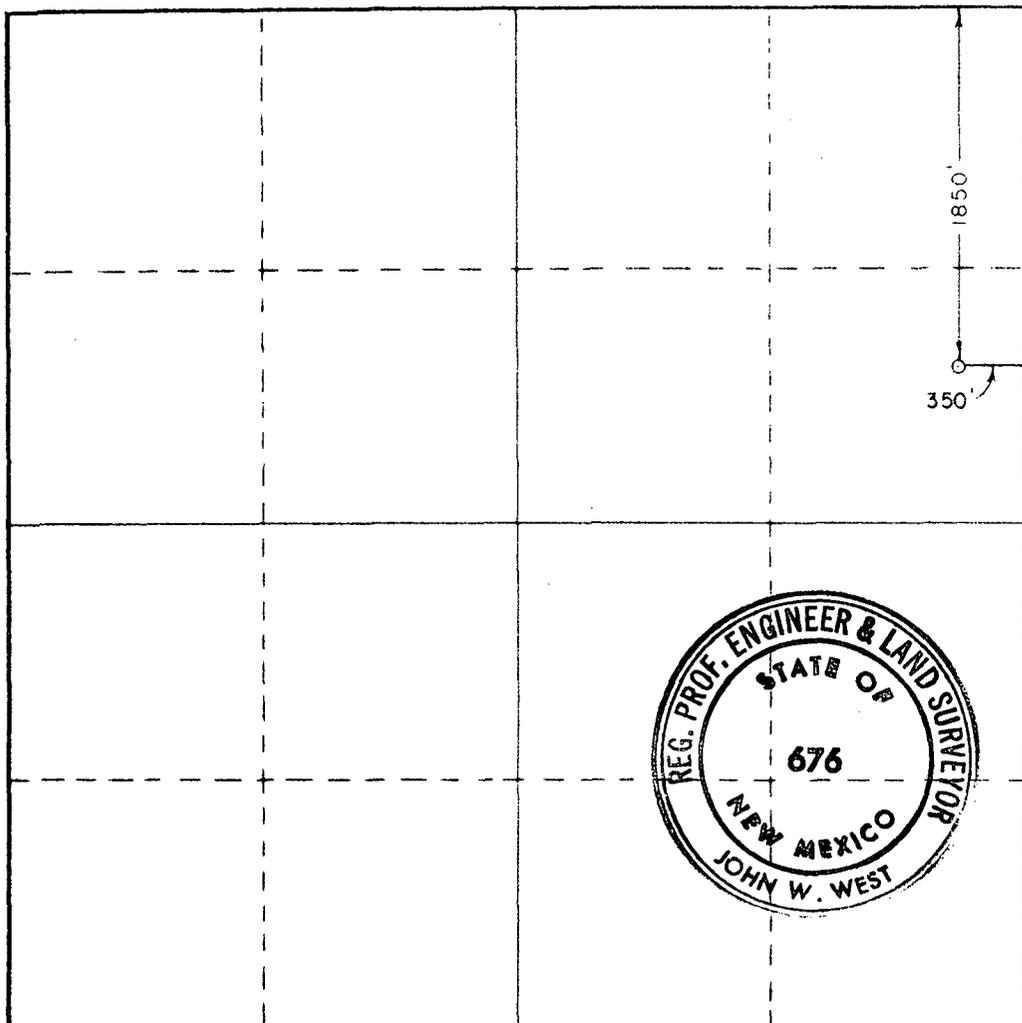
Operator <b>Atlantic Richfield Co.</b>		Lease <b>Empire Abo Unit - F</b>		Well No. <b>362</b>
Unit Letter <b>H</b>	Section <b>34</b>	Township <b>17 South</b>	Range <b>28 East</b>	County <b>CONSERVATION COMM. Eddy</b>
Actual Footage Location of Well: <b>1850</b> feet from the <b>North</b> line and <b>350</b> feet from the <b>East</b> line				
Ground Level Elev. <b>3674.6</b>	Producing Formation	Pool	Dedicated Acreage: 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.

*A. J. Natour*  
Name

**A. J. Natour**  
Position

**Operations Engineer**  
Company  
**Atlantic Richfield Company**

Date  
**March 22, 1978**

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.

**December 19, 1977**

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

*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

MAR 26 1978

All distances must be from the outer boundaries of the Section.

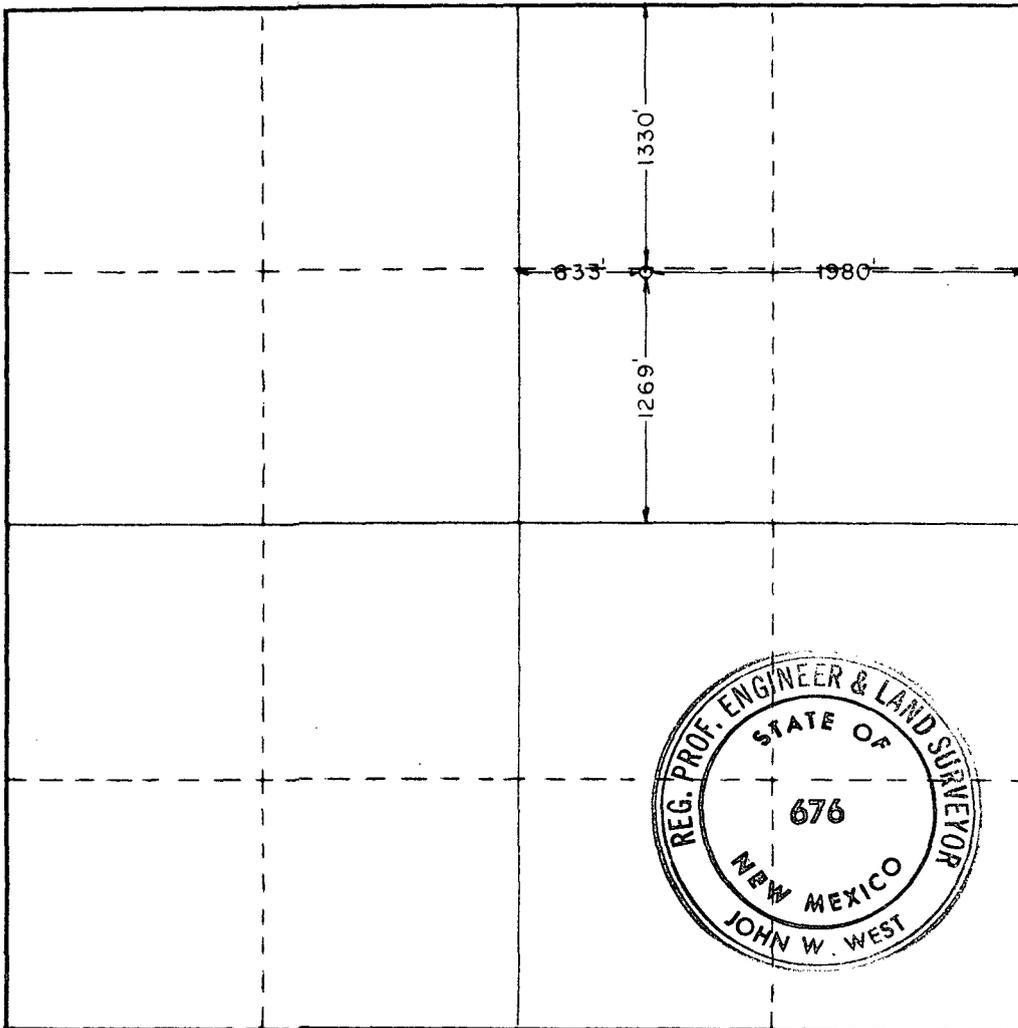
Operator <b>Atlantic Richfield Co.</b>			Lease <b>Empire Abo Unit # F</b>		Oil Conservation <b>CONSERVATION</b>	Well No. <b>COM. 352</b>
Unit Letter <b>G</b>	Section <b>34</b>	Township <b>17 South</b>	Range <b>28 East</b>	County <b>Eddy</b>		
Actual Footage Location of Well: <b>1330</b> feet from the <b>North</b> line and <b>1980</b> feet from the <b>East</b> line						
Ground Level Elev. <b>3670.3</b>	Producing Formation		Pool	Dedicated Acreage:  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.

*I. J. Natour*

Name  
**I. J. Natour**  
Position  
**Operations Engineer**  
Company  
**Atlantic Richfield Co.**

Date  
**March 22, 1978**

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.

**March 17, 1978**

Date Surveyed  
Registered Professional Engineer and/or Land Surveyor

*John W. West*

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



NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

MAR 06 1978

Form C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section CONSERVATION

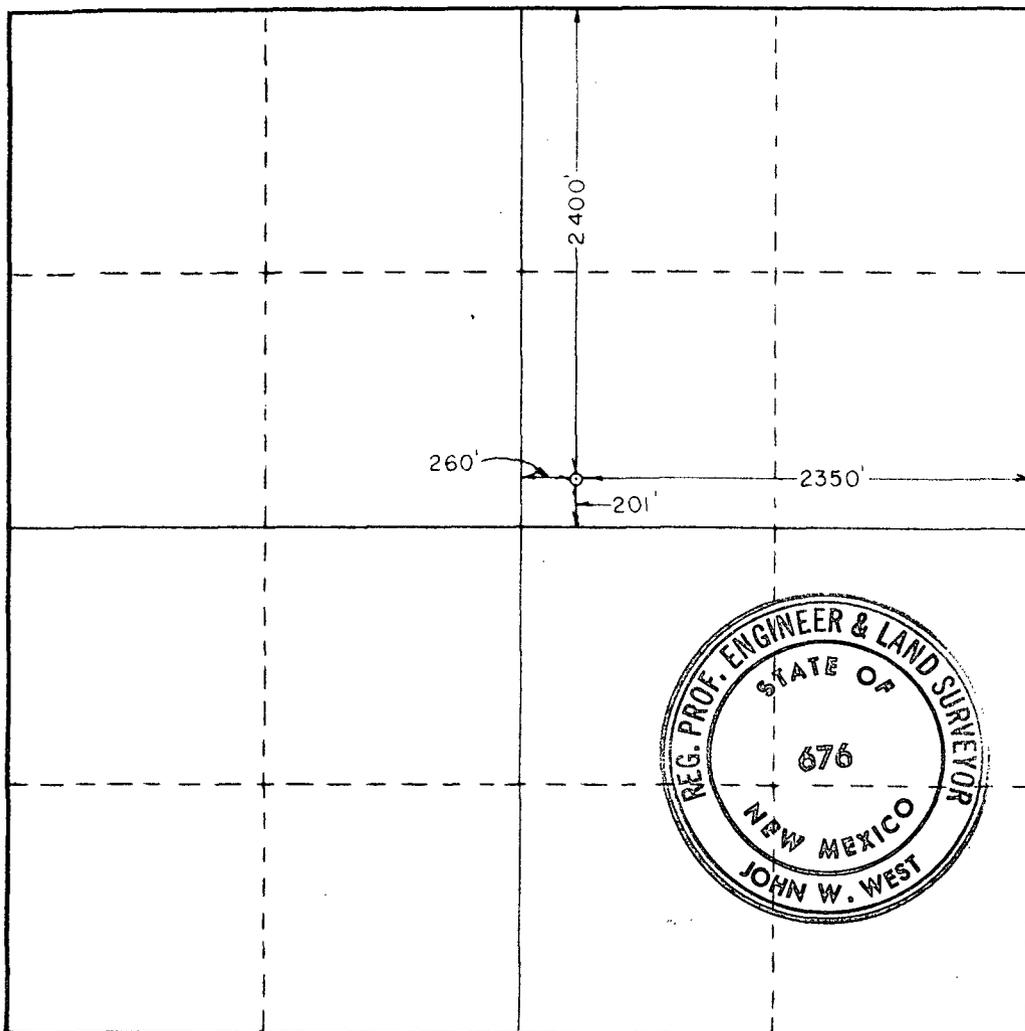
Operator <b>Atlantic Richfield Co.</b>		Lease <b>Empire Abo Unit # F</b>		Well No. <b>353</b>
Unit Letter <b>G</b>	Section <b>34</b>	Township <b>17 South</b>	Range <b>28 East</b>	County <b>Eddy</b>
Actual Footage Location of Well: <b>2400</b> feet from the <b>North</b> line and <b>2350</b> feet from the <b>East</b> line				
Ground Level Elev. <b>3661.4</b>	Producing Formation	Pool	Dedicated Acreage: 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.

*I. J. Natour*

Name  
**I. J. Natour**

Position  
**Operations Engineer**

Company  
**Atlantic Richfield Company**

Date  
**March 22, 1978**

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.

**March 17, 1978**

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

*John W. West*

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



NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-65

REC 1978

All distances must be from the outer boundaries of the Section:

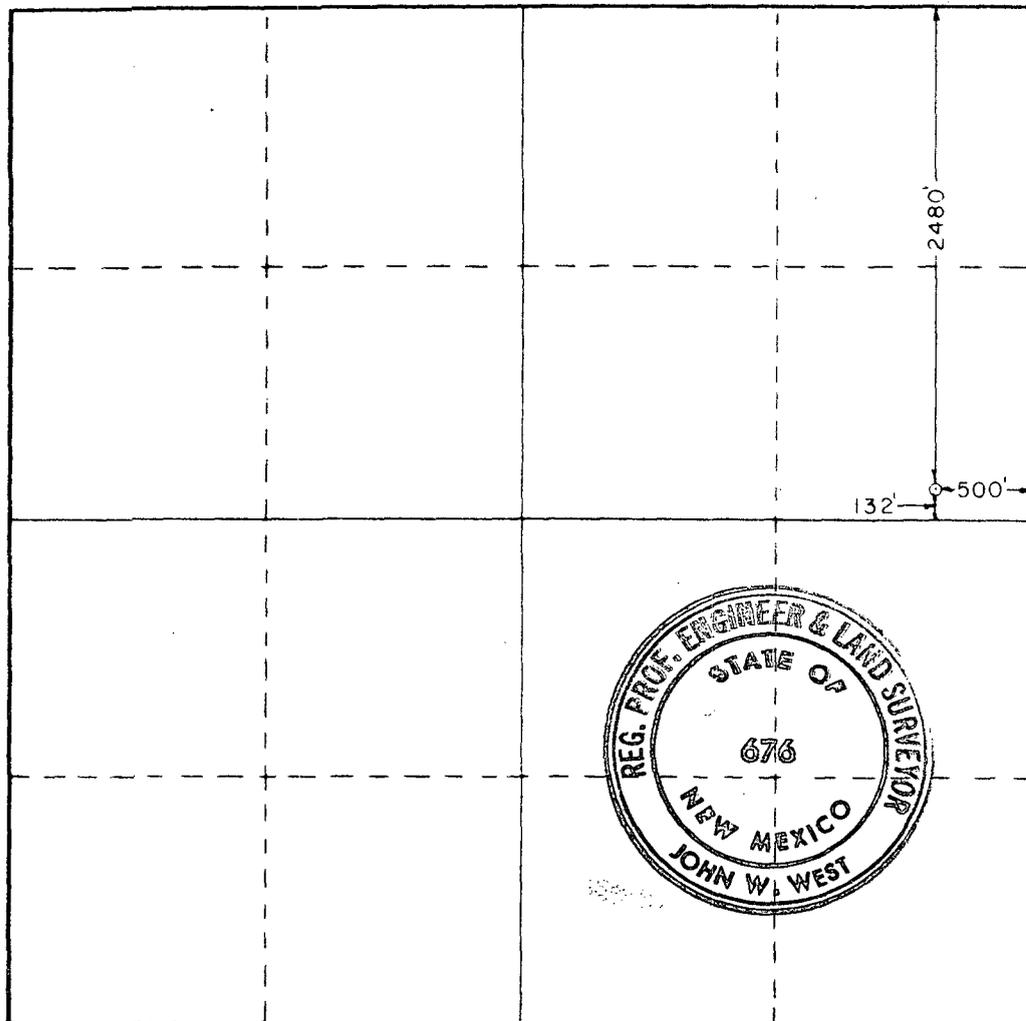
Operator <b>Atlantic Richfield Co.</b>		Lease <b>Empire Abo Unit # F</b>			Well No. <b>322</b>
Unit Letter <b>H</b>	Section <b>33</b>	Township <b>17 South</b>	Range <b>28 East</b>	County <b>Eddy</b>	
Actual Footage Location of Well: <b>2480</b> feet from the <b>North</b> line and <b>500</b> feet from the <b>East</b> line					
Ground Level Elev. <b>3665.2</b>	Producing Formation	Pool	Dedicated Acreage:		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.

*I. J. Natour*

Name  
**I. J. Natour**

Position  
**Operations Engineer**

Company  
**Atlantic Richfield Company**

Date  
**March 22, 1978**

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.

**March 17, 1978**

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

*John W. West*

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

0 330 660 990 1320 1650 1980 2310 2640 2000 1800 1000 500 0

NEW MEXICO OIL CONSERVATION COMMISSION  
 WELL LOCATION AND ACREAGE DEDICATION PLAT - 00 1978

Form C-102  
 Supersedes C-128  
 Effective 1-1-65

All distances must be from the outer boundaries of the Section.

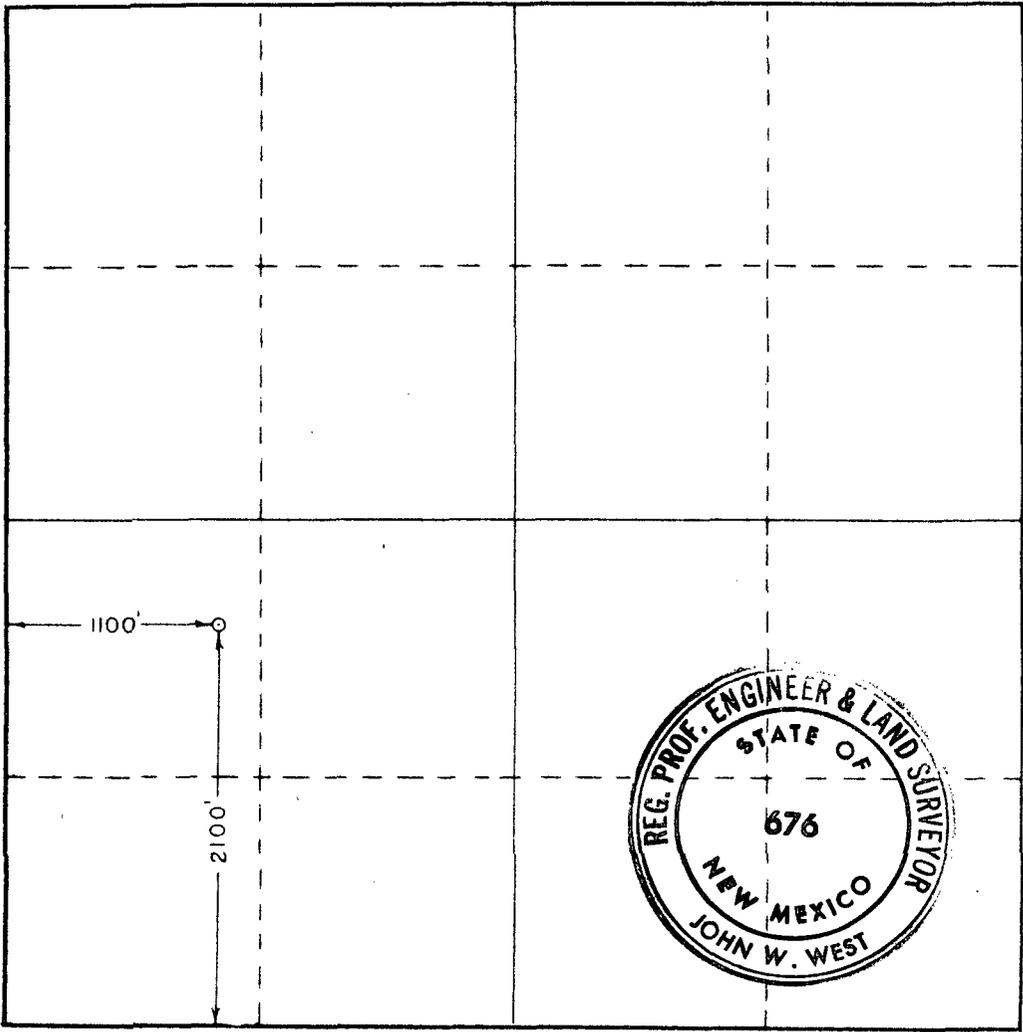
Operator <b>Atlantic Richfield Co.</b>		Lease <b>Empire Abo Unit - G</b>		Well No. <b>333</b>
Unit Letter <b>L</b>	Section <b>34</b>	Township <b>17 South</b>	Range <b>28 East</b>	County <b>Eddy</b>
Actual Footage Location of Well: <b>2100</b> feet from the <b>South</b> line and <b>1100</b> feet from the <b>West</b> line				
Ground Level Elev. <b>3660.2</b>	Producing Formation	Pool	Dedicated Acreage: 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.

*I. J. Natour*  
 Name

I. J. Natour

Position  
 Operations Engineer

Company  
 Atlantic Richfield Company

Date  
 March 22, 1978

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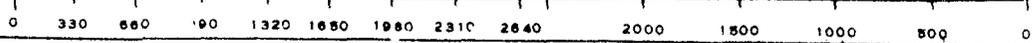
December 19, 1977

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

*John W. West*  
 Certificate No.

676



NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
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R 00 1978

All distances must be from the outer boundaries of the Section

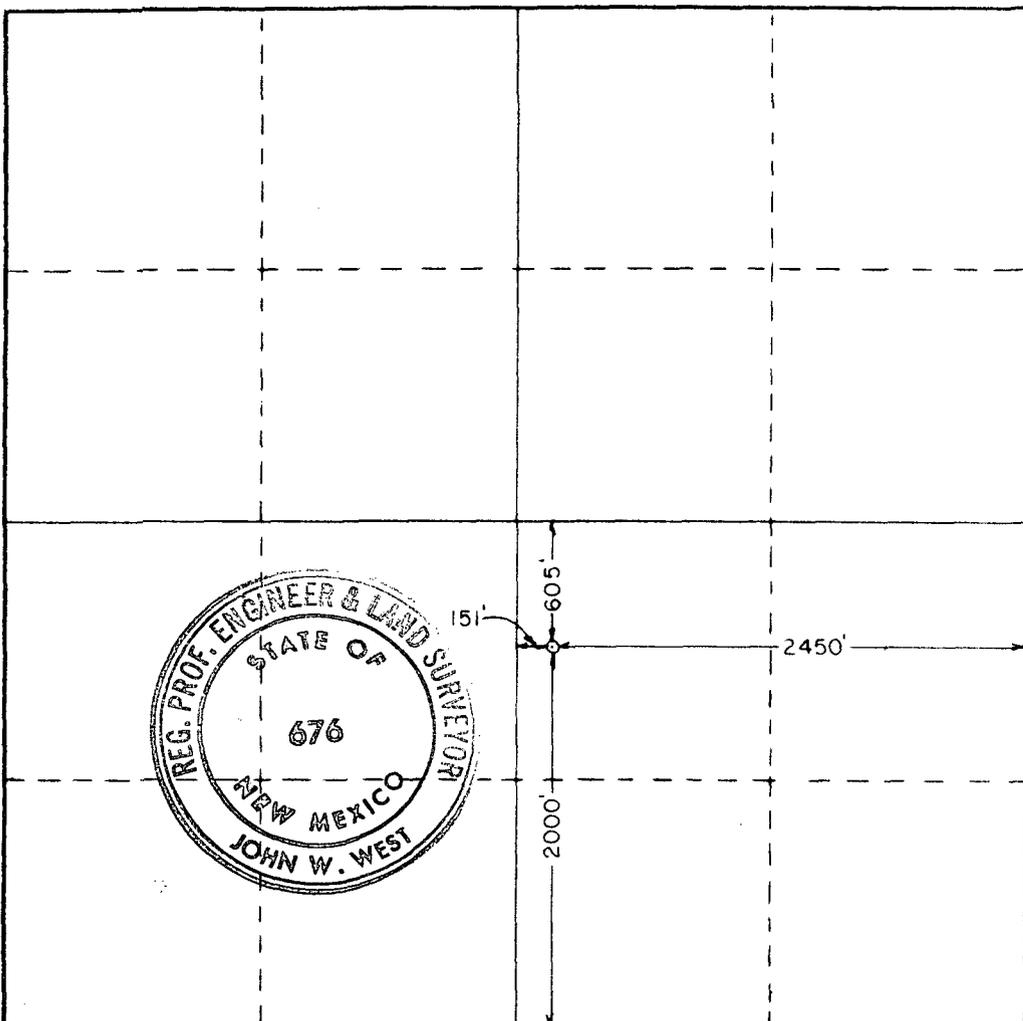
Operator <b>Atlantic Richfield Co.</b>		Lease <b>Empire Abo Unit #101</b>			Well No. <b>003313</b>
Unit Letter <b>J</b>	Section <b>33</b>	Township <b>17 South</b>	Range <b>28 East</b>	County <b>Eddy</b>	
Actual Footage Location of Well: <b>2000</b> feet from the <b>South</b> line and <b>2450</b> feet from the <b>East</b> line					
Ground Level Elev. <b>3662.5</b>	Producing Formation		Pool	Dedicated Acreage:  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.

*I. J. Natour*

Name  
**I. J. Natour**

Position  
**Operations Engineer**

Company  
**Atlantic Richfield Company**

Date  
**March 22, 1978**

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.

**March 15, 1978**

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

*John W. West*

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



NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

APR 06 1978 Form C-102  
Supersedes C-128  
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All distances must be from the outer boundaries of the Section CONSERVATION

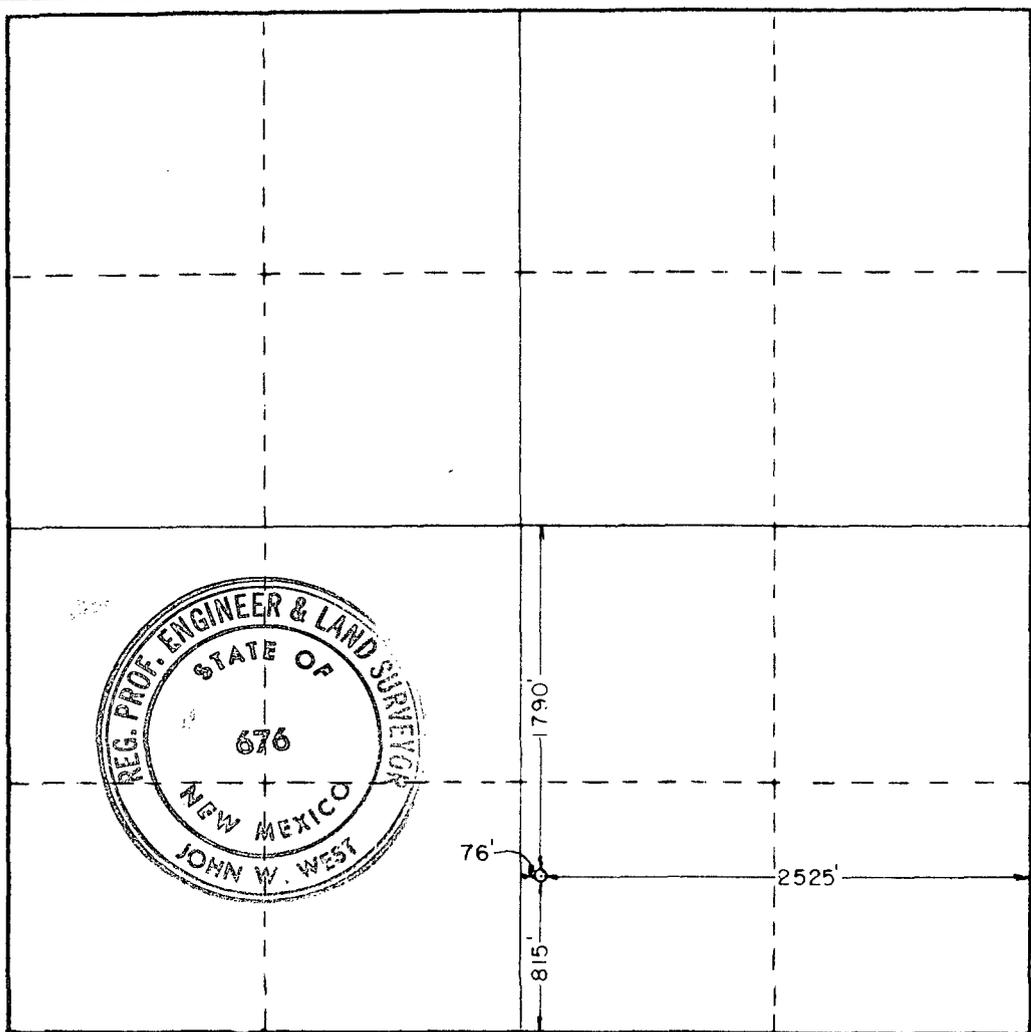
Operator <b>Atlantic Richfield Co.</b>		Lease <b>Empire Abo Unit # H</b>		Well No. <b>312</b>
Unit Letter <b>O</b>	Section <b>33</b>	Township <b>17 South</b>	Range <b>28 East</b>	County <b>Eddy</b>
Actual Footage Location of Well: <b>815</b> feet from the <b>South</b> line and <b>2525</b> feet from the <b>East</b> line				
Ground Level Elev. <b>3664.9</b>	Producing Formation	Pool	Dedicated Acreage: 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.

*J. J. Natour*  
Name

I. J. Natour  
Position

Operations Engineer  
Company

Atlantic Richfield Company  
Date

March 22, 1978

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.

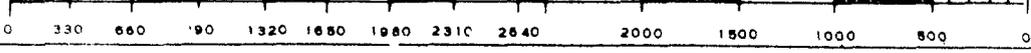
March 15, 1978

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

*John W. West*

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



NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-65

MAR 00 1978

All distances must be from the outer boundaries of the Section.

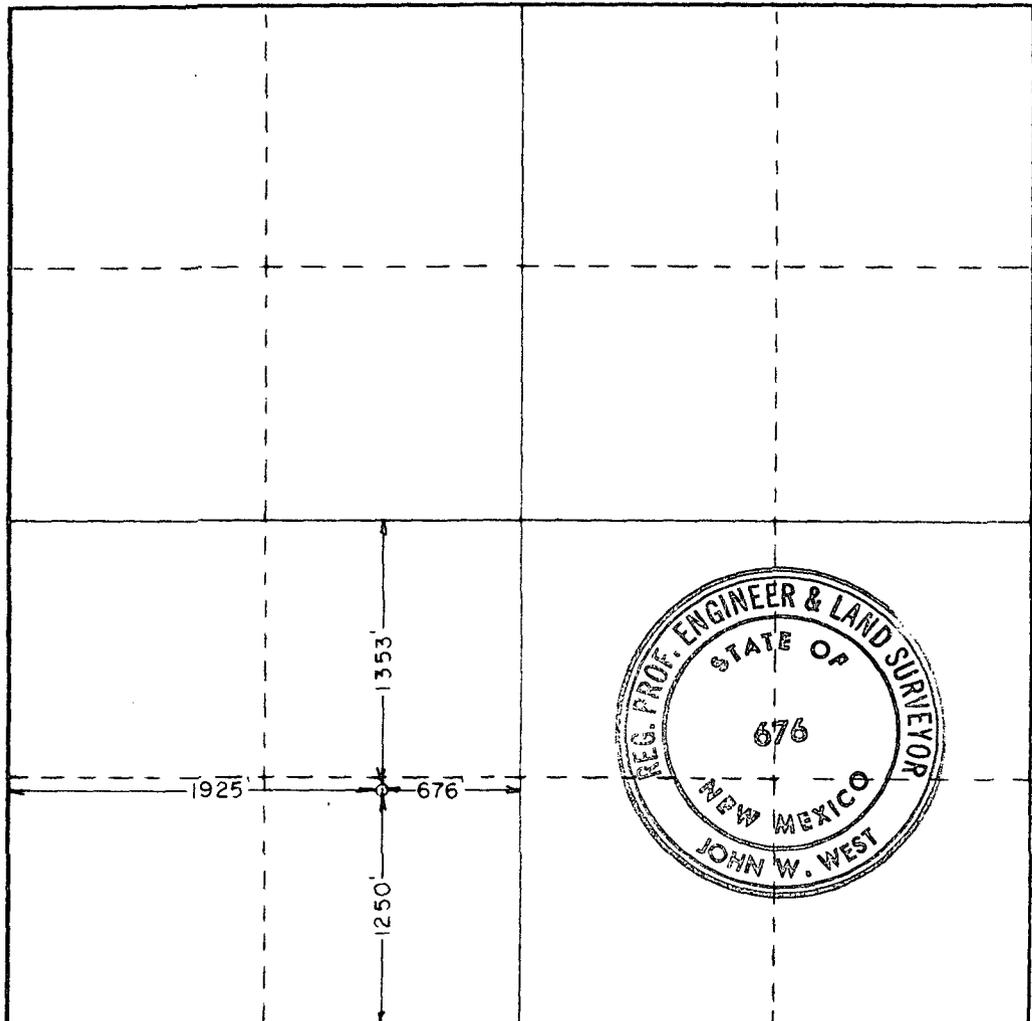
Operator <b>Atlantic Richfield Co.</b>		Lease <b>Empire Abo Unit # H</b>		Well No. <b>302</b>
Unit Letter <b>N</b>	Section <b>33</b>	Township <b>17 South</b>	Range <b>28 East</b>	County <b>Eddy</b>
Actual Footage Location of Well: <b>1250</b> feet from the <b>South</b> line and <b>1925</b> feet from the <b>West</b> line				
Ground Level Elev. <b>3670.9</b>	Producing Formation	Pool	Dedicated Acreage:  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.) \_\_\_\_\_

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CERTIFICATION

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*I. J. Natour*

Name  
**I. J. Natour**

Position  
**Operations Engineer**

Company  
**Atlantic Richfield Company**

Date  
**March 22, 1978**

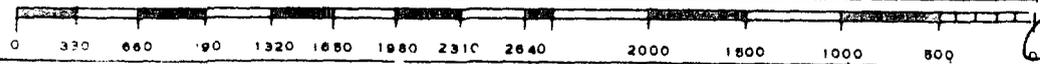
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

**March 15, 1978**

Date Surveyed

Registered Professional Engineer and/or Land Surveyor  
*John W. West*

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



NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
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Effective 1-1-65

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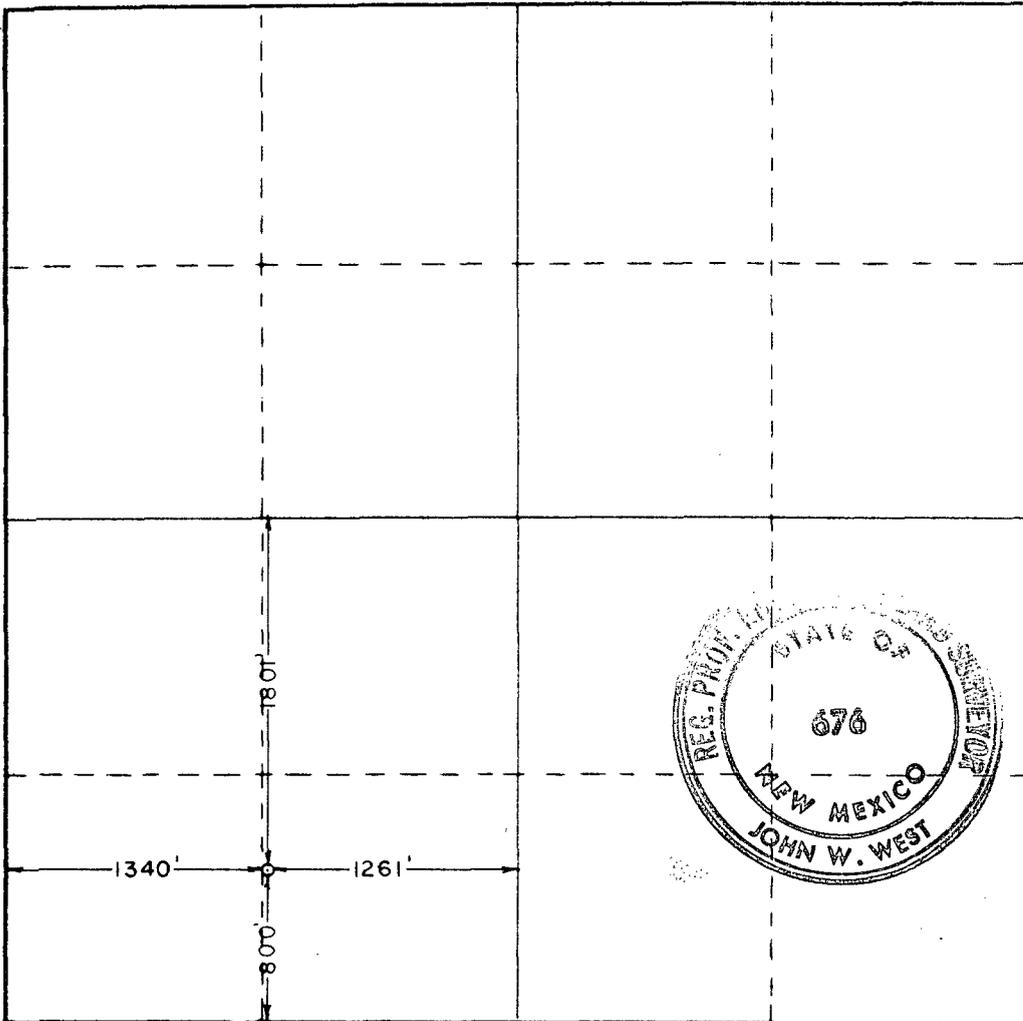
Operator <b>Atlantic Richfield Co.</b>		Lease <b>Empire Abo Unit # H</b>		REC 00 1978 No. <b>303</b>
Unit Letter <b>N</b>	Section <b>33</b>	Township <b>17 South</b>	Range <b>28 East</b>	County - <b>CONSERVATION COMMISSION</b> <b>Eddy</b>
Actual Footage Location of Well: <b>800</b> feet from the <b>South</b> line and <b>1340</b> feet from the <b>West</b> line				
Ground Level Elev. <b>3665.6</b>	Producing Formation	Pool	Dedicated Acreage:  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?

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CERTIFICATION

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*I. J. Natour*

Name  
**I. J. Natour**

Position  
**Operations Engineer**

Company  
**Atlantic Richfield Company**

Date  
**March 22, 1978**

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.

**March 15, 1978**

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

*John W. West*

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



NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Superseded C-128  
Effective 1-1-65

REG 1978

All distances must be from the outer boundaries of the Section.

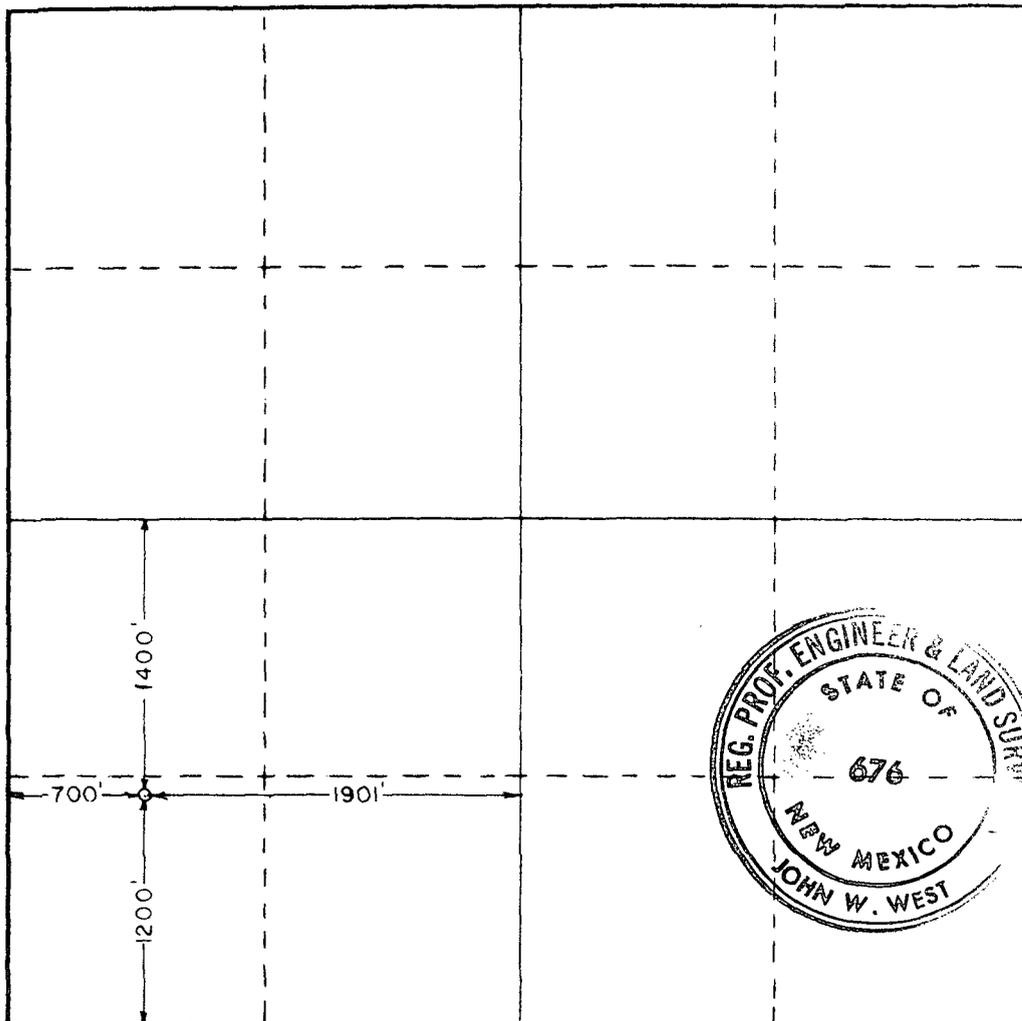
Operator <b>Atlantic Richfield Co.</b>			Lease <b>Empire Abo Unit # H S</b>		Well No. <b>294</b>
Unit Letter <b>M</b>	Section <b>33</b>	Township <b>17 South</b>	Range <b>28 East</b>	County <b>Eddy</b>	
Actual Footage Location of Well: <b>1200</b> feet from the <b>South</b> line and <b>700</b> feet from the <b>West</b> line					
Ground Level Elev. <b>3666.2</b>	Producing Formation		Pool	Dedicated Acreage: 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

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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.

*I. J. Natour*  
Name

I. J. Natour

Position

Operations Engineer

Company

Atlantic Richfield Company

Date

March 22, 1978

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March 15, 1978

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

*John W. West*

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



NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
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Effective 1-1-65  
MAR 06 1978

All distances must be from the outer boundaries of the Section

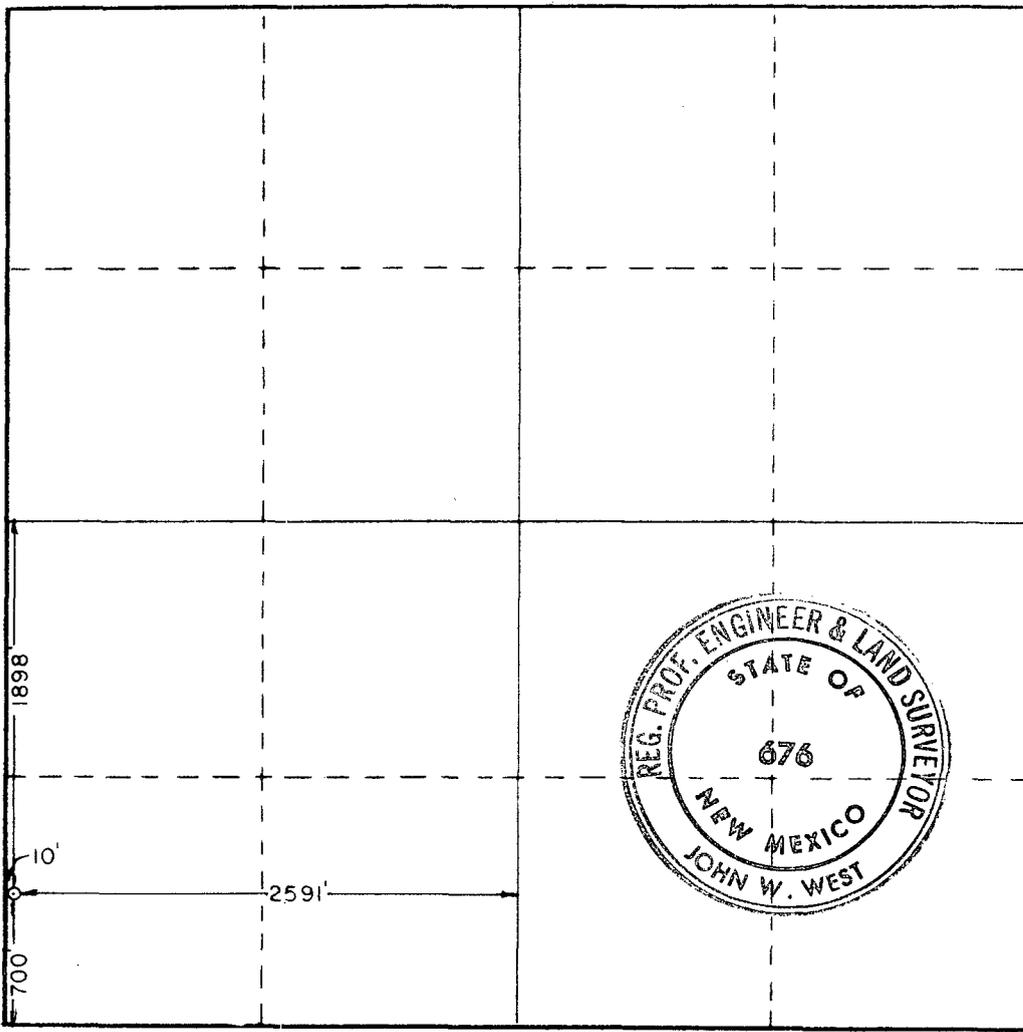
Operator <b>Atlantic Richfield Co.</b>		Lease <b>Empire Abo Unit # H</b>		Well No. <b>295</b>
Unit Letter <b>M</b>	Section <b>33</b>	Township <b>17 South</b>	Range <b>28 East</b>	County <b>Eddy</b>
Actual Footage Location of Well: <b>700</b> feet from the <b>South</b> line and <b>10</b> feet from the <b>West</b> line				
Ground Level Elev. <b>3666.4</b>	Producing Formation	Pool	Dedicated Acreage: 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.) \_\_\_\_\_

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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.

*I. J. Natour*  
Name

I. J. Natour  
Position

Operations Engineer  
Company

Atlantic Richfield Company  
Date

March 22, 1978

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.

March 15, 1978

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

*John W. West*

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

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

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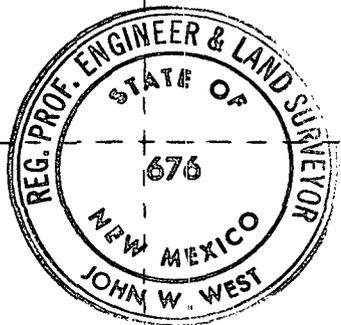
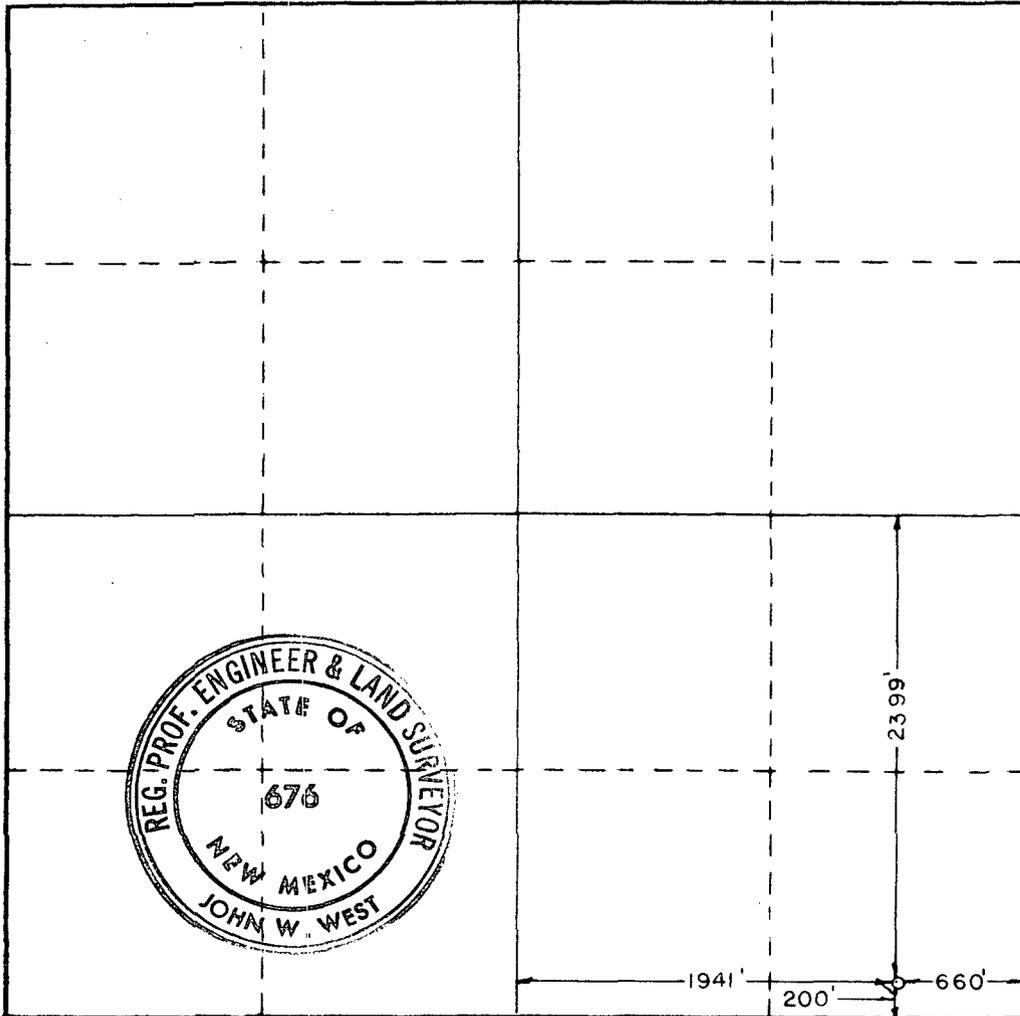
Operator <b>Atlantic Richfield Co.</b>		Lease <b>Empire Abo Unit # H</b>		Well No. <b>281</b>
Unit Letter <b>P</b>	Section <b>32</b>	Township <b>17 South</b>	Range <b>28 East</b>	County <b>Eddy</b>
Actual Footage Location of Well: <b>200</b> feet from the <b>South</b> line and <b>660</b> feet from the <b>East</b> line				
Ground Level Elev. <b>3663.4</b>	Producing Formation	Pool	Dedicated Acreage: 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

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CERTIFICATION

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*I. J. Natour*  
Name

I. J. Natour  
Position  
Operations Engineer

Atlantic Richfield Company  
Company

March 22, 1978  
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.

March 15, 1978

Date Surveyed  
Registered Professional Engineer and/or Land Surveyor

*John W. West*

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



NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

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Effective 1-1-65

APR 06 1978

All distances must be from the outer boundaries of the Section

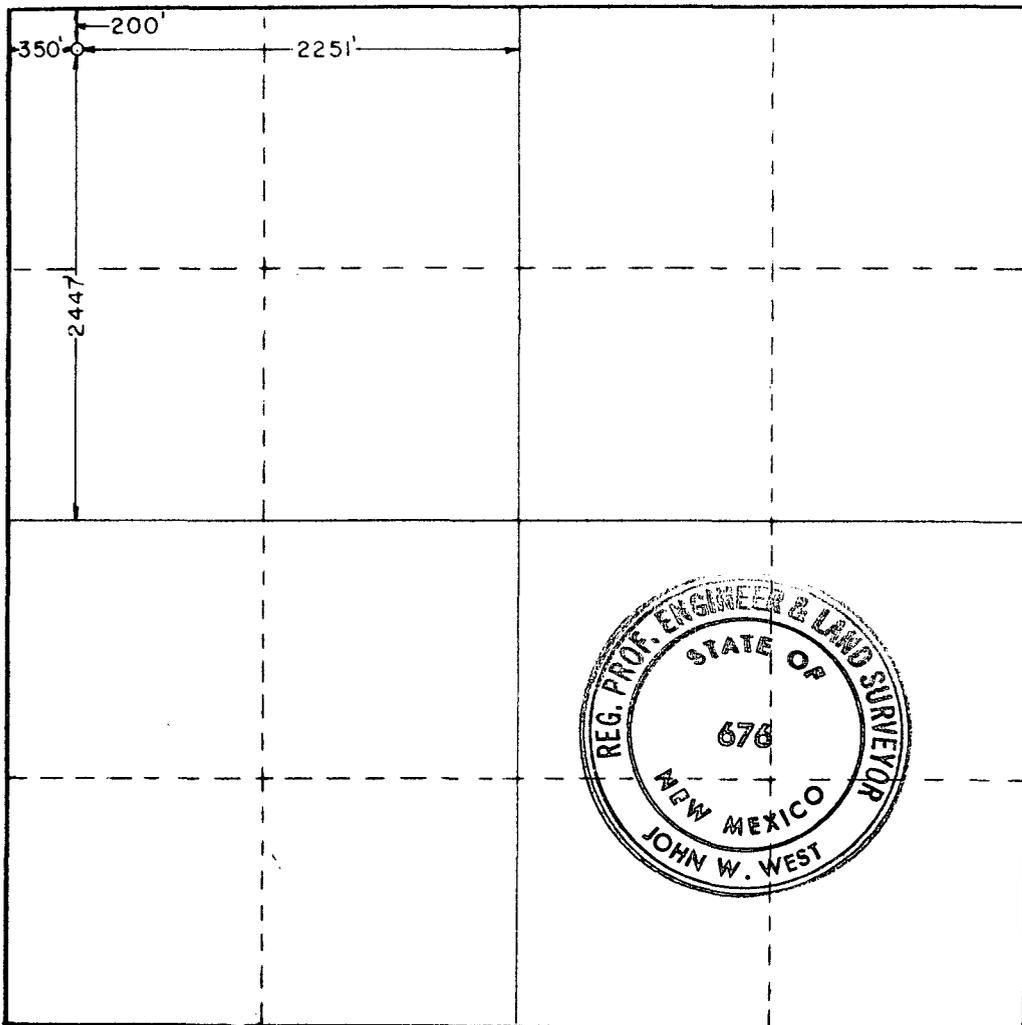
Operator <b>Atlantic Richfield Co.</b>		Lease <b>Empire Abo Unit # 1</b>		Well No. <b>291</b>
Unit Letter <b>D</b>	Section <b>4</b>	Township <b>18 South</b>	Range <b>28 East</b>	County <b>Eddy</b>
Actual Footage Location of Well: <b>200</b> feet from the <b>North</b> line and <b>350</b> feet from the <b>West</b> line				
Ground Level Elev. <b>3662.7</b>	Producing Formation	Pool	Dedicated Acreage: 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).
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Yes  No If answer is "yes," type of consolidation Unitization

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CERTIFICATION

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*I. J. Natour*  
Name

I. J. Natour

Position  
Operations Engineer

Company  
Atlantic Richfield Company

Date  
March 22, 1978

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.

March 15, 1978

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

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

Ronald J. Eidson 3239

0 330 660 990 1320 1650 1980 2310 2640 2000 1800 1000 800 0

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
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Effective 1-1-65

REC 1978

All distances must be from the outer boundaries of the Section

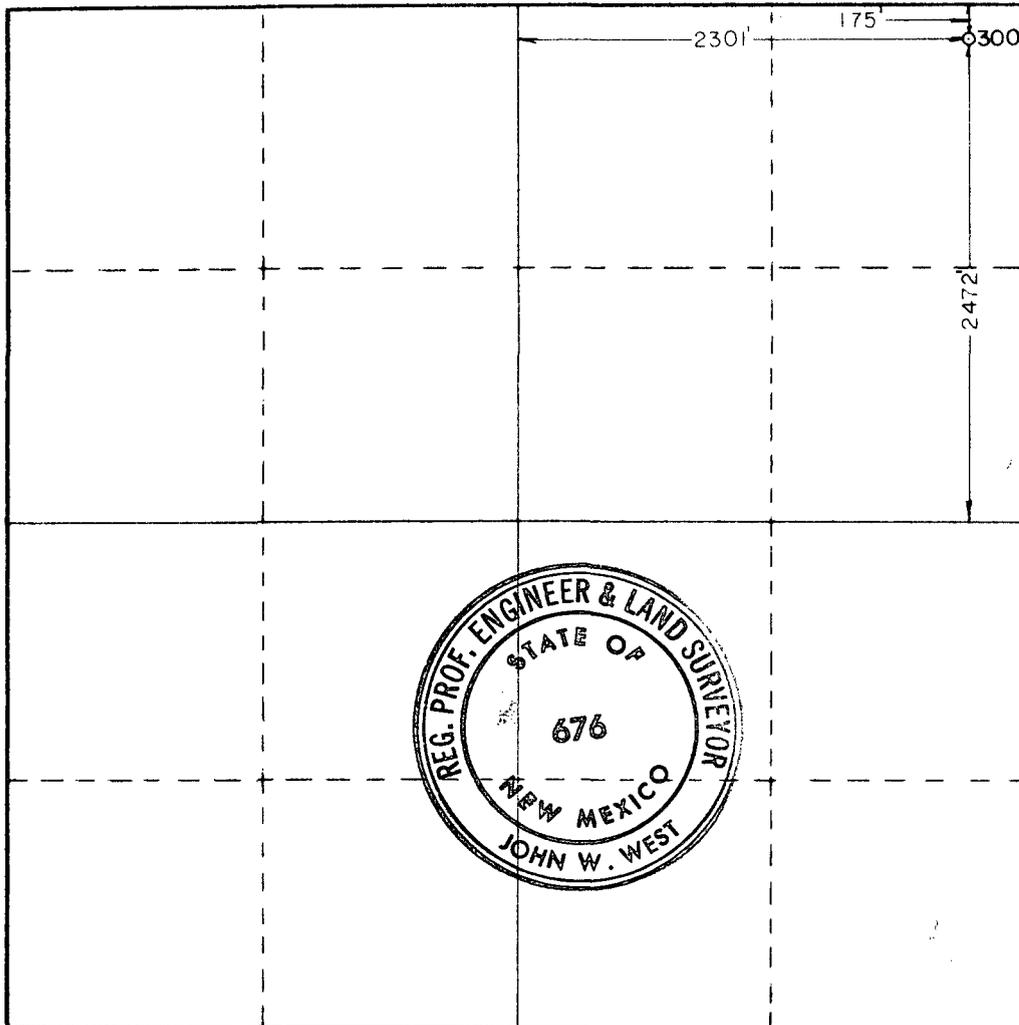
Operator <b>Atlantic Richfield Co.</b>		Lease <b>Empire Abo Unit # 1</b>		Well No. <b>283</b>
Unit Letter <b>A</b>	Section <b>5</b>	Township <b>18 South</b>	Range <b>28 East</b>	County <b>Eddy</b>
Actual Footage Location of Well: <b>175</b> feet from the <b>North</b> line and <b>300</b> feet from the <b>East</b> line				
Ground Level Elev. <b>3661.0</b>	Producing Formation	Pool	Dedicated Acreage: 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).
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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.)

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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.

*I. J. Natour*

Name  
**I. J. Natour**

Position  
**Operations Engineer**

Company  
**Atlantic Richfield Company**

Date  
**March 22, 1978**

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.

**March 15, 1978**

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

*John W. West*

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

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
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Effective 1-1-65

R 00 1978

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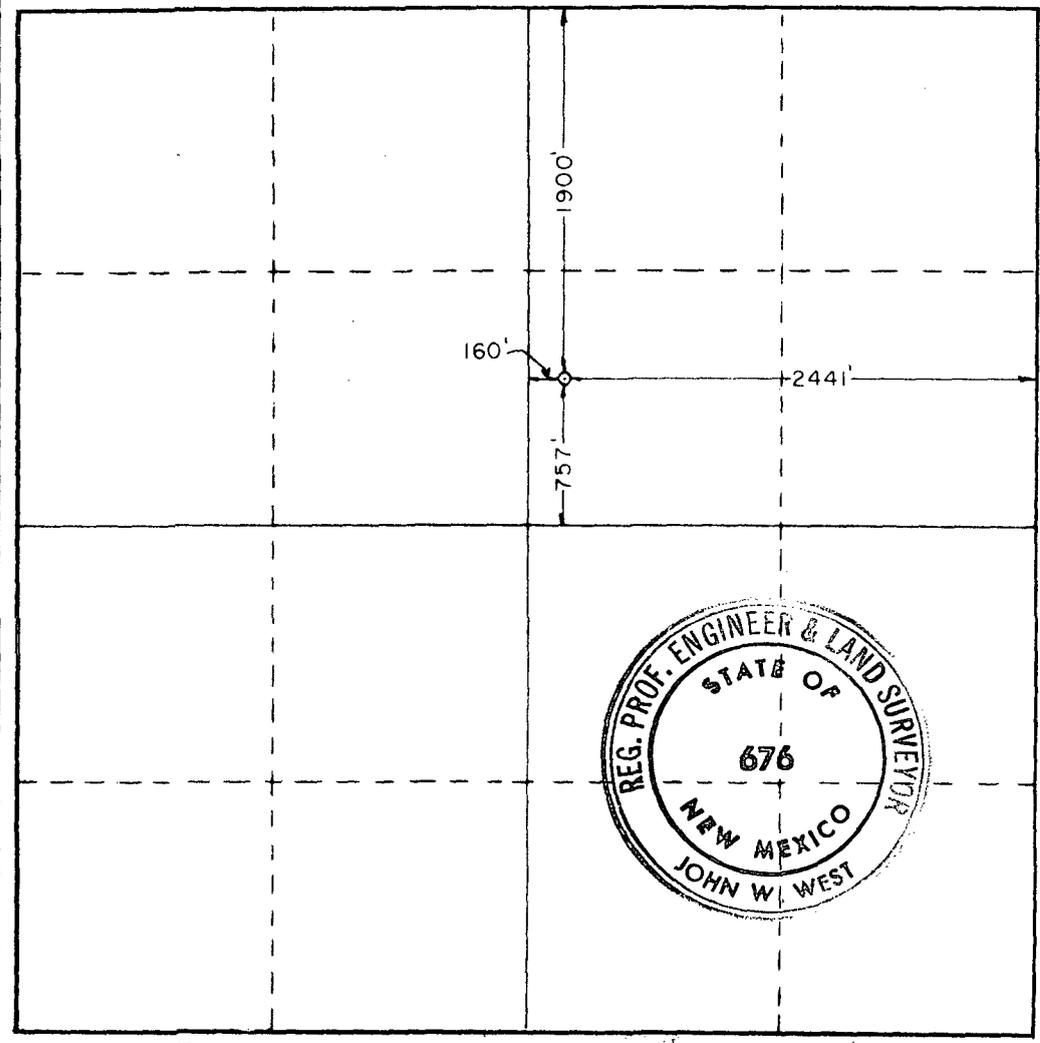
Operator <b>Atlantic Richfield Co,</b>		Lease <b>Empire Abo Unit # Jc</b>		Well No. <b>234</b>
Unit Letter <b>G</b>	Section <b>6</b>	Township <b>18 South</b>	Range <b>28 East</b>	County <b>Eddy</b>
Actual Footage Location of Well: <b>1900</b> feet from the <b>North</b> line and <b>2441</b> feet from the <b>East</b> line				
Ground Level Elev. <b>3677.6</b>	Producing Formation	Pool	Dedicated Acreage: 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.

*I. J. Natour*  
Name

I. J. Natour

Position

Operations Engineer

Company

Atlantic Richfield Company

Date

March 22, 1978

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.

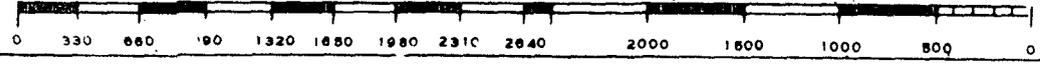
March 17, 1978

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

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

Ronald J. Eidson 3239



NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

APR 00 1978  
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Effective 1-1-65

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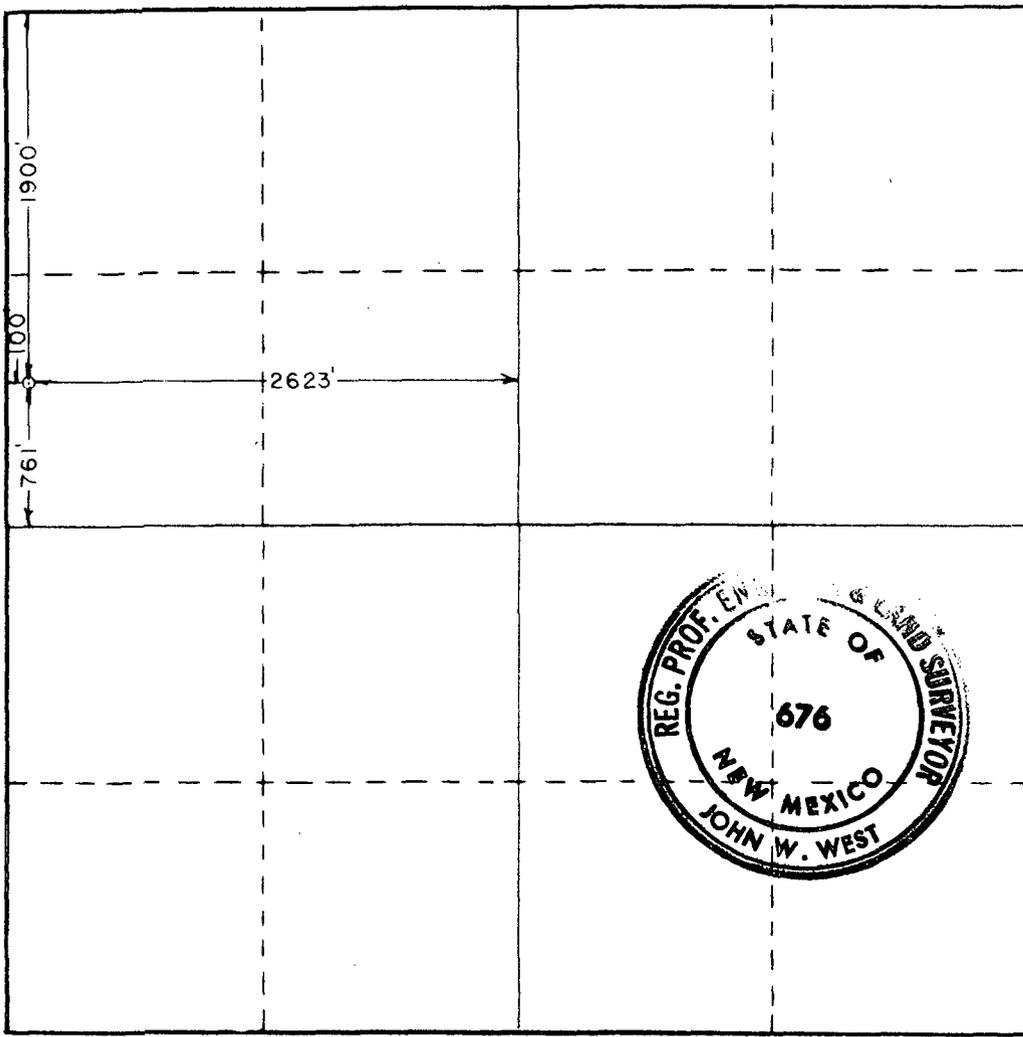
Operator <b>Atlantic Richfield Co.</b>		Lease <b>Empire Abo Unit # J</b>		Well No. <b>212</b>
Unit Letter <b>E</b>	Section <b>6</b>	Township <b>18 South</b>	Range <b>28 East</b>	County <b>Eddy</b>
Actual Footage Location of Well: <b>1900</b> feet from the <b>North</b> line and <b>100</b> feet from the <b>West</b> line				
Ground Level Elev. <b>3649.7</b>	Producing Formation	Pool	Dedicated Acreage:  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).
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CERTIFICATION

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*I. J. Natour*  
Name

I. J. Natour

Position

Operations Engineer

Company

Atlantic Richfield Company

Date

March 22, 1978

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.

March 16, 1978

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

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

Ronald J. Eidson 3239

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

REC  
Form C-102  
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Effective 1-1-65  
CONSERVATION

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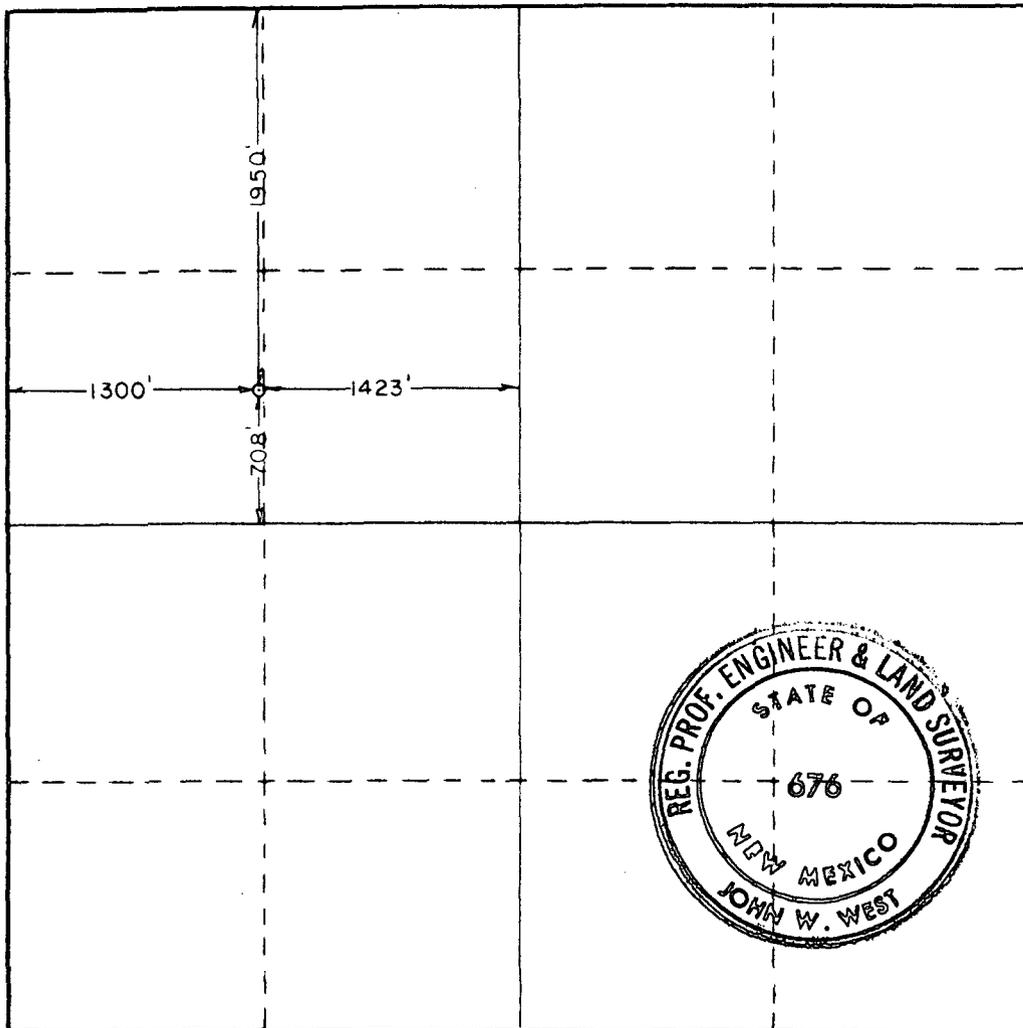
Operator <b>Atlantic Richfield Co.</b>		Lease <b>Empire Abo Unit # J</b>		Well No. <b>213</b>
Unit Letter <b>E</b>	Section <b>6</b>	Township <b>18 South</b>	Range <b>28 East</b>	County <b>Eddy</b>
Actual Footage Location of Well: <b>1950</b> feet from the <b>North</b> line and <b>1300</b> feet from the <b>West</b> line				
Ground Level Elev. <b>3647.8</b>	Producing Formation	Pool	Dedicated Acreage:  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.

*I. J. Natour*  
Name

I. J. Natour  
Position

Operations Engineer

Company  
Atlantic Richfield Company

Date  
March 22, 1978

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.

March 16, 1978

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

*John W. West*  
Certificate No.

John W. West 676  
Ronald J. Eidson 3239



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

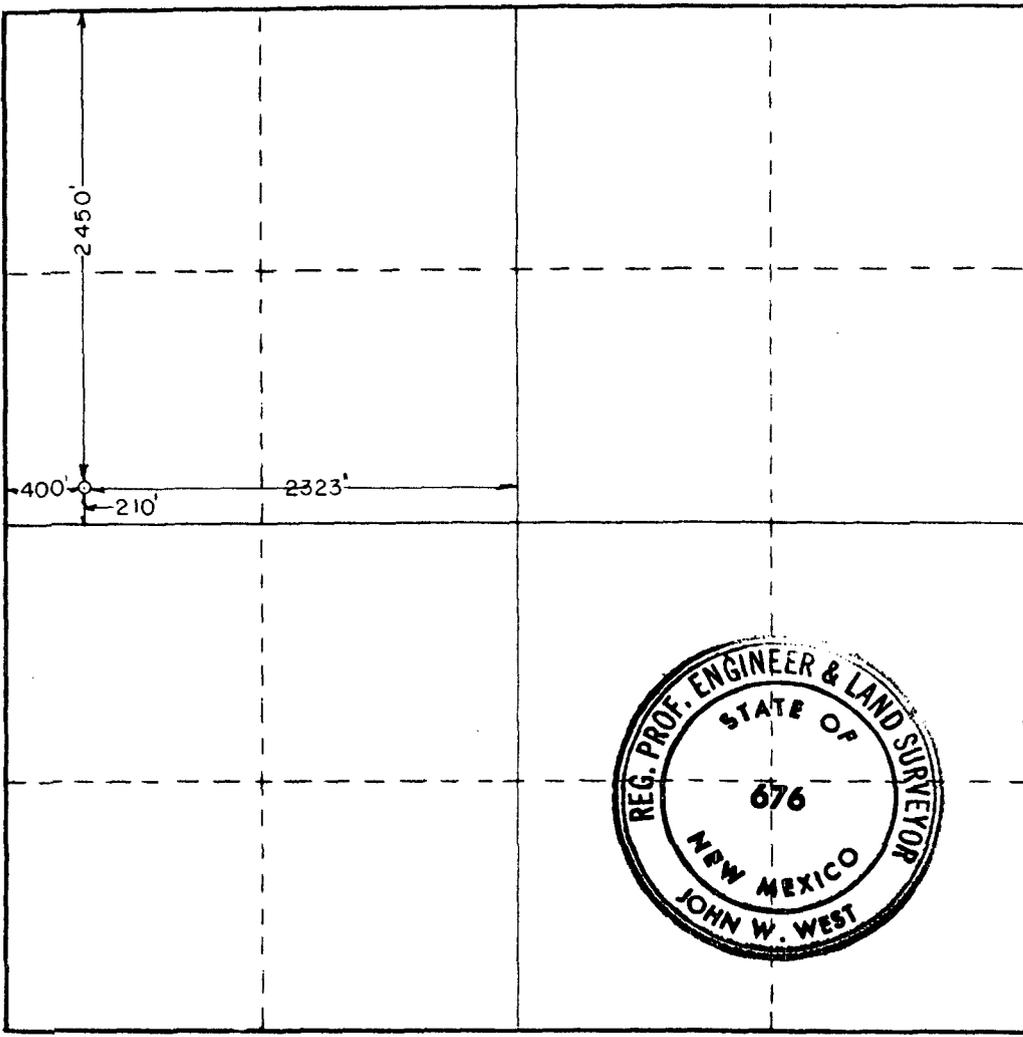
Operator <b>Atlantic Richfield Co.</b>		Lease <b>Empire Abo Unit # J</b>			Well No. <b>214</b>
Unit Letter <b>E</b>	Section <b>6</b>	Township <b>18 South</b>	Range <b>28 East</b>	County <b>Eddy</b>	
Actual Footage Location of Well: <b>2450</b> feet from the <b>North</b> line and <b>400</b> feet from the <b>West</b> line					
Ground Level Elev. <b>3650.1</b>	Producing Formation		Pool	Dedicated Acreage:  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.

*I. J. Natour*  
Name

I. J. Natour

Position

Operations Engineer

Company

Atlantic Richfield Company

Date

March 22, 1978

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.

March 16, 1978

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

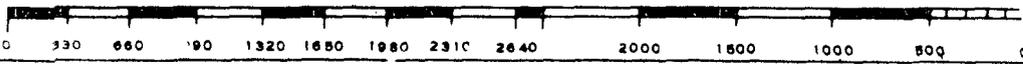
*John W. West*

Certificate No. John W. West

676

Ronald J. Eidson

3239





NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

APR 06 1978

Form C-102  
Supersedes C-128  
Effective 1-1-65

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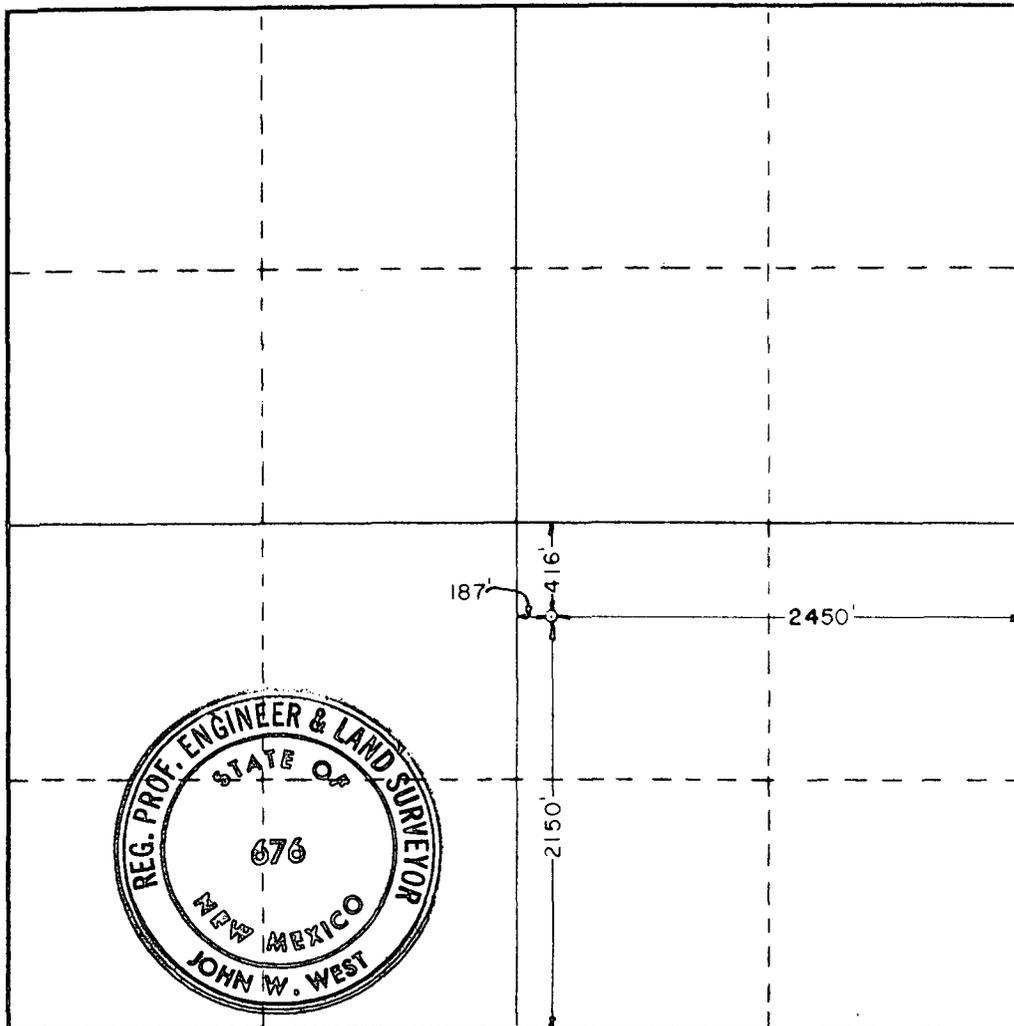
Operator <b>Atlantic Richfield Co.</b>			Lease <b>Empire Abo Unit # K</b>			Well No. <b>193</b>		
Unit Letter <b>J</b>	Section <b>1</b>	Township <b>18 South</b>	Range <b>27 East</b>	County <b>Eddy</b>				
Actual Footage Location of Well: <b>2150</b> feet from the <b>South</b> line and <b>2450</b> feet from the <b>East</b> line								
Ground Level Elev. <b>3635.4</b>		Producing Formation			Pool		Dedicated Acreage:  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.

*I. J. Natour*

Name  
**I. J. Natour**  
Position  
**Operations Engineer**  
Company  
**Atlantic Richfield Company**  
Date  
**March 22, 1978**

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.

**March 16, 1978**

Date Surveyed  
Registered Professional Engineer and/or Land Surveyor  
*John W. West*  
Certificate No. **John W. West 676**  
**Ronald J. Eidson 3239**



NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

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Effective 1-1-65

R 00 1978

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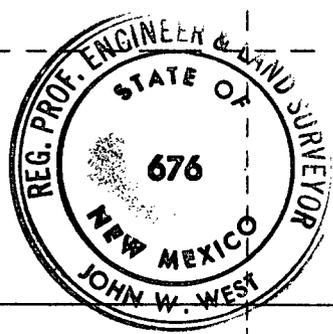
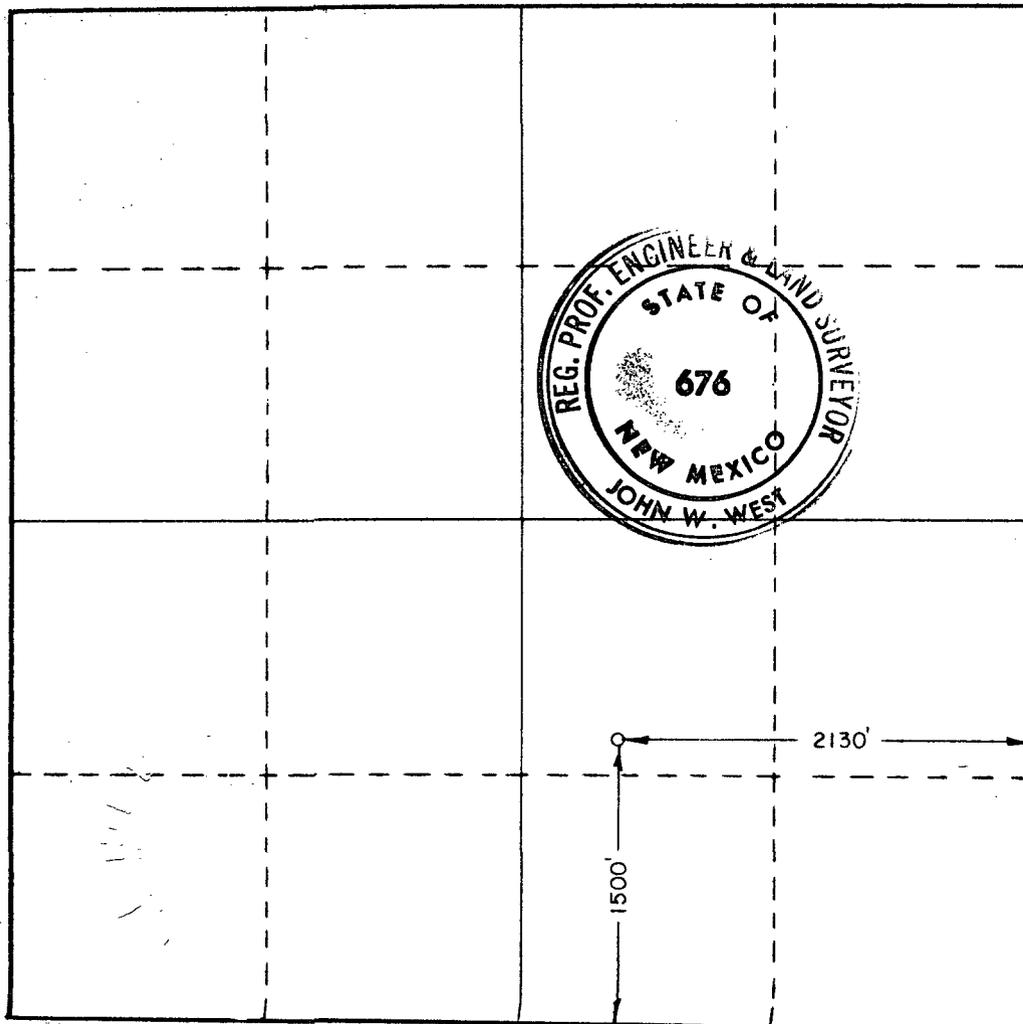
Operator <b>Atlantic Richfield Co.</b>		Lease <b>Empire Abo Unit</b>		Well No. <b>K-194</b>
Unit Letter <b>J</b>	Section <b>1</b>	Township <b>18 South</b>	Range <b>27 East</b>	County <b>Eddy</b>
Actual Footage Location of Well: <b>1500</b> feet from the <b>South</b> line and <b>2130</b> feet from the <b>East</b> line				
Ground Level Elev. <b>3618.3</b>	Producing Formation	Pool	Dedicated Acreage: 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.) \_\_\_\_\_

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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.

*I. J. Natour*

Name  
**I. J. Natour**  
Position  
**Operations Engineer**  
Company  
**Atlantic Richfield Co.**

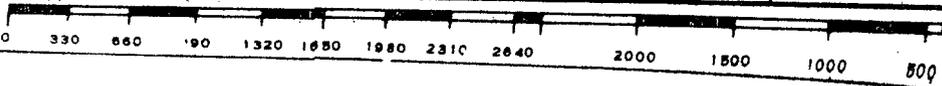
Date  
**March 31, 1978**

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  
**3/29/78**

Registered Professional Engineer and/or Land Surveyor

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



Ronald I. ...

676

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

MAR 00 1978

Form G-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section

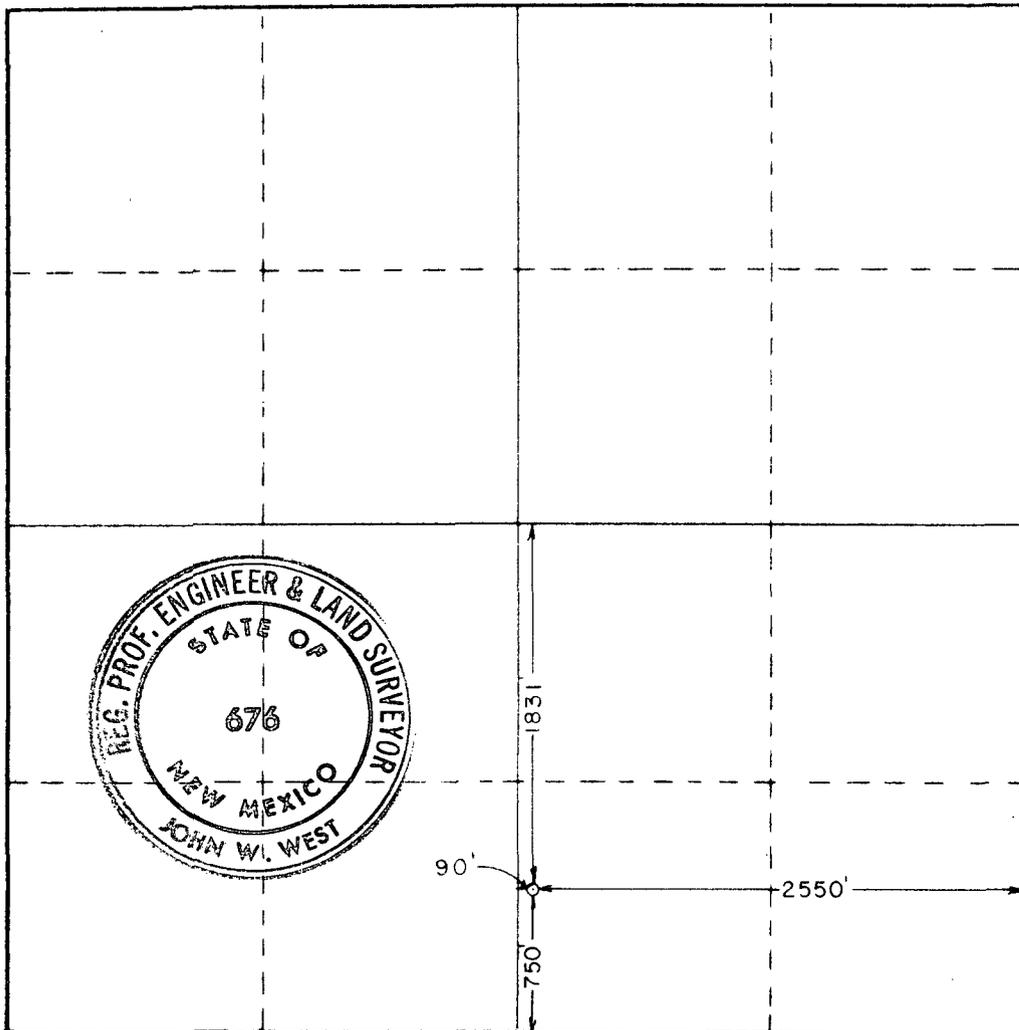
Operator <b>Atlantic Richfield Co.</b>		Lease <b>Empire Abo Unit # L</b>			Well Name <b>154</b>
Unit Letter <b>O</b>	Section <b>2</b>	Township <b>18 South</b>	Range <b>27 East</b>	County <b>Eddy</b>	
Actual Footage Location of Well: <b>750</b> feet from the <b>South</b> line and <b>2550</b> feet from the <b>East</b> line					
Ground Level Elev. <b>3553.4</b>	Producing Formation		Pool	Dedicated Acreage:  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.) \_\_\_\_\_

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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.

*I. J. Natour*

Name  
**I. J. Natour**

Position  
**Operations Engineer**

Company  
**Atlantic Richfield Company**

Date  
**March 22, 1978**

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.

**March 16, 1978**

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

*John W. West*

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



NEW MEXICO OIL CONSERVATION COMMISSION  
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MAR 00 1978

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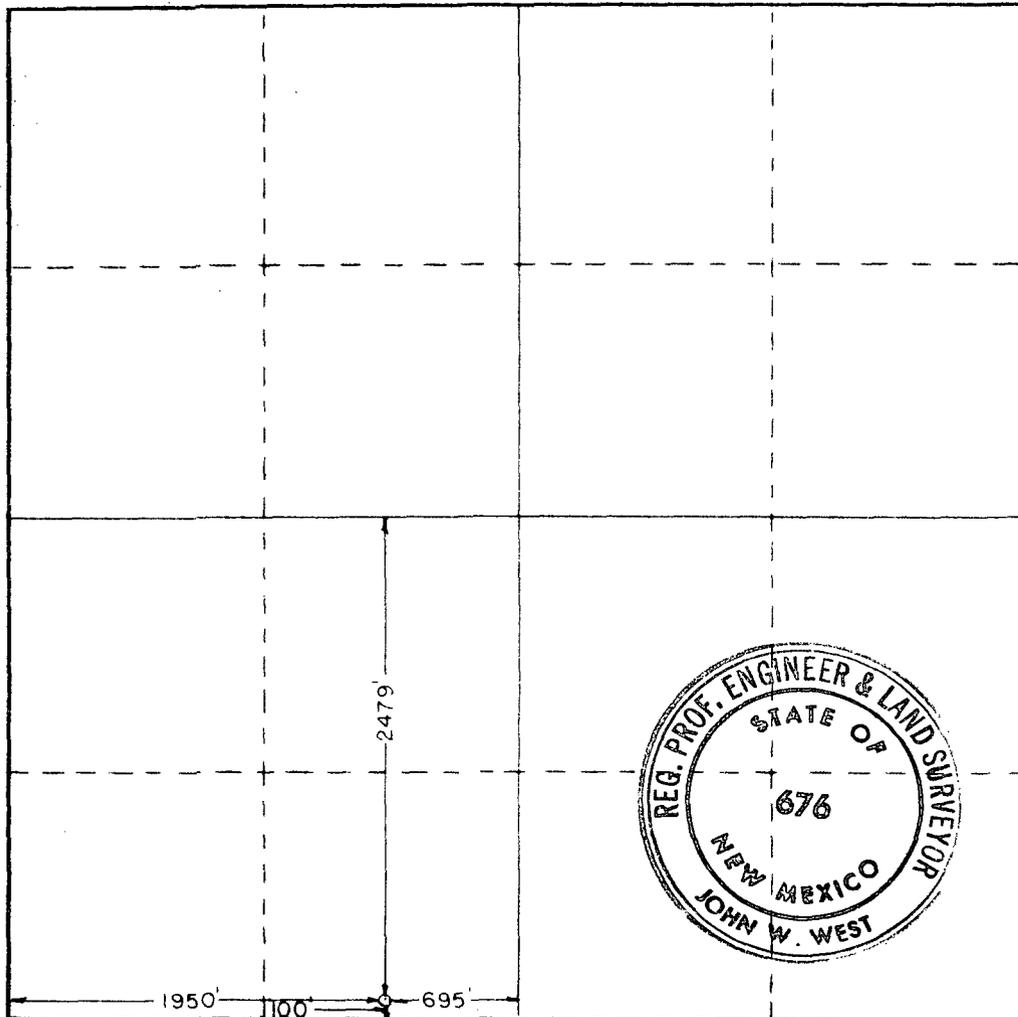
Operator <b>Atlantic Richfield Co.</b>		Lease <b>Empire Abo Unit # L</b>		Well No. <b>142</b>
Unit Letter: <b>N</b>	Section <b>2</b>	Township <b>18 South</b>	Range <b>27 East</b>	County <b>Eddy</b>
Actual Footage Location of Well: <b>100</b> feet from the <b>South</b> line and <b>1950</b> feet from the <b>West</b> line				
Ground Level Elev. <b>3555.6</b>	Producing Formation	Pool	Dedicated Acreage: 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

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*I. J. Natour*

Name  
**I. J. Natour**

Position  
**Operations Engineer**

Company  
**Atlantic Richfield Company**

Date  
**March 22, 1978**

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**March 16, 1978**

Date Surveyed

Registered Professional Engineer and/or Land Surveyor  
*John W. West*

Certificate No. **John W. West 676**  
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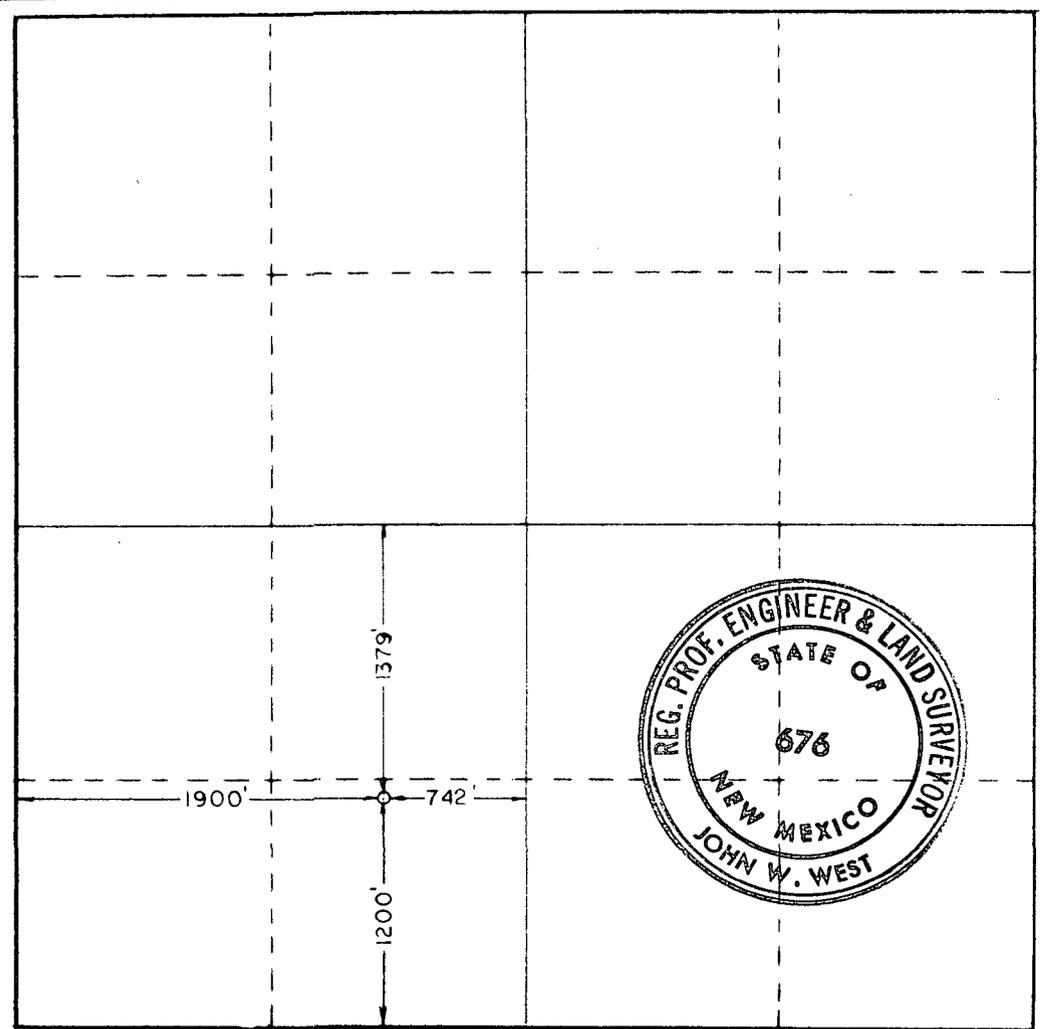
Operator <b>Atlantic Richfield Co.</b>		Lease <b>Empire Abo Unit # L</b>		Well No. <b>143</b>
Unit Letter <b>N</b>	Section <b>2</b>	Township <b>18 South</b>	Range <b>27 East</b>	County <b>Eddy</b>
Actual Footage Location of Well: <b>1200</b> feet from the <b>South</b> line and <b>1900</b> feet from the <b>West</b> line				
Ground Level Elev. <b>3528.0</b>	Producing Formation	Pool	Dedicated Acreage: 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).
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*I. J. Natour*  
Name

I. J. Natour

Position  
Operations Engineer

Company  
Atlantic Richfield Company

Date  
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March 16, 1978

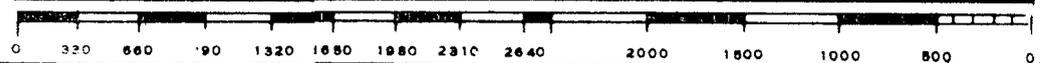
Date Surveyed

Registered Professional Engineer and/or Land Surveyor

*John W. West*

Certificate No. John W. West 676

Ronald J. Eidson 3239



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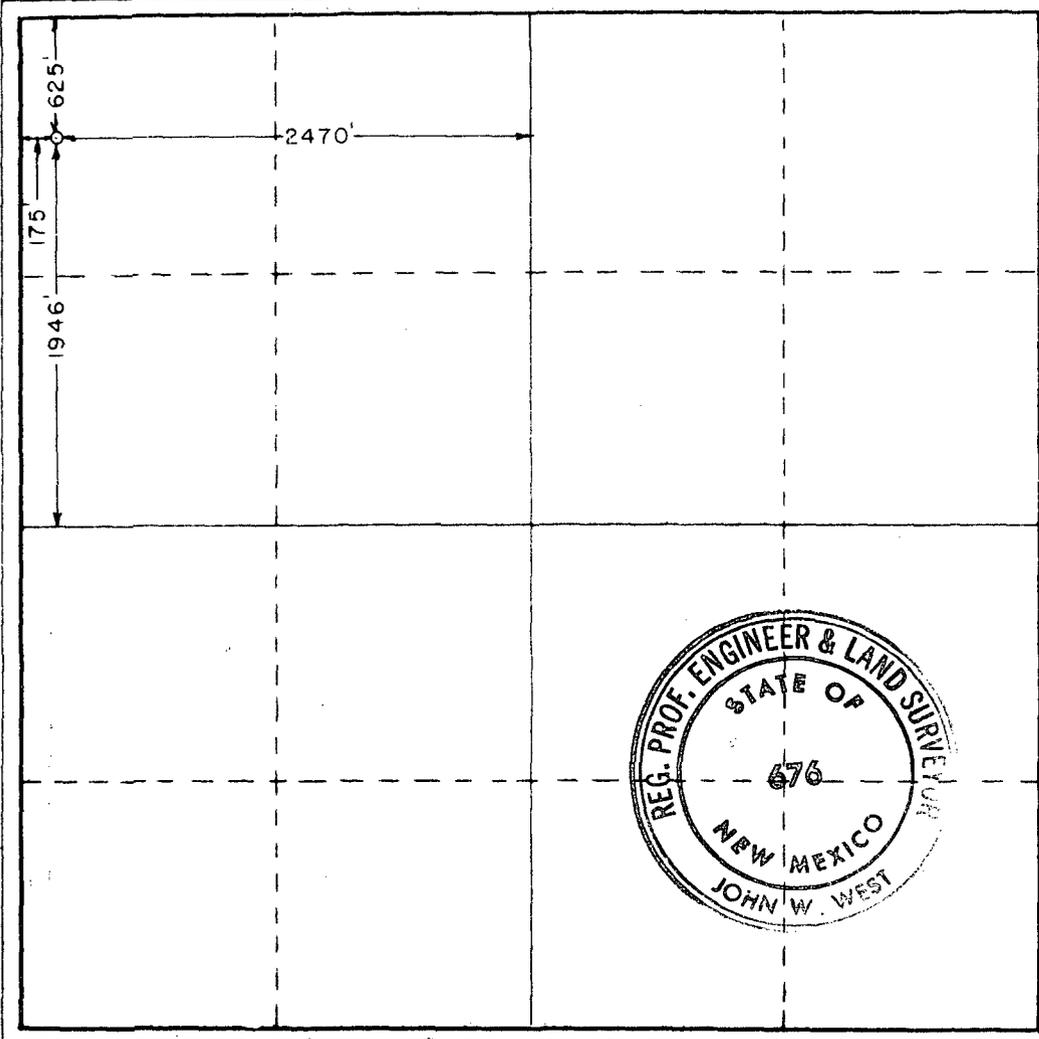
Operator <b>Atlantic Richfield Co.</b>		Lease <b>Empire Abo Unit # M</b>		Well No. <b>132</b>
Unit Letter <b>D</b>	Section <b>11</b>	Township <b>18 South</b>	Range <b>27 East</b>	County <b>Eddy</b>
Actual Footage Location of Well: <b>625</b> feet from the <b>North</b> line and <b>175</b> feet from the <b>West</b> line				
Ground Level Elev. <b>3540.6</b>	Producing Formation	Pool	Dedicated Acreage: 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

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CERTIFICATION

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*I. J. Natour*  
Name

I. J. Natour  
Position

Operations Engineer  
Company

Atlantic Richfield Company  
Date

March 22, 1978

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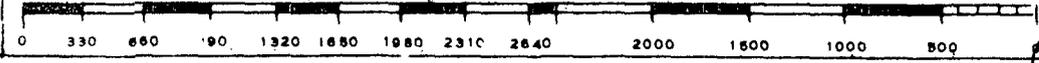
March 16, 1978

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

*John W. West*  
Certificate No.

John W. West 676  
Ronald J. Eidson 3239



PROPOSED PRODUCING WELL DIAGRAM

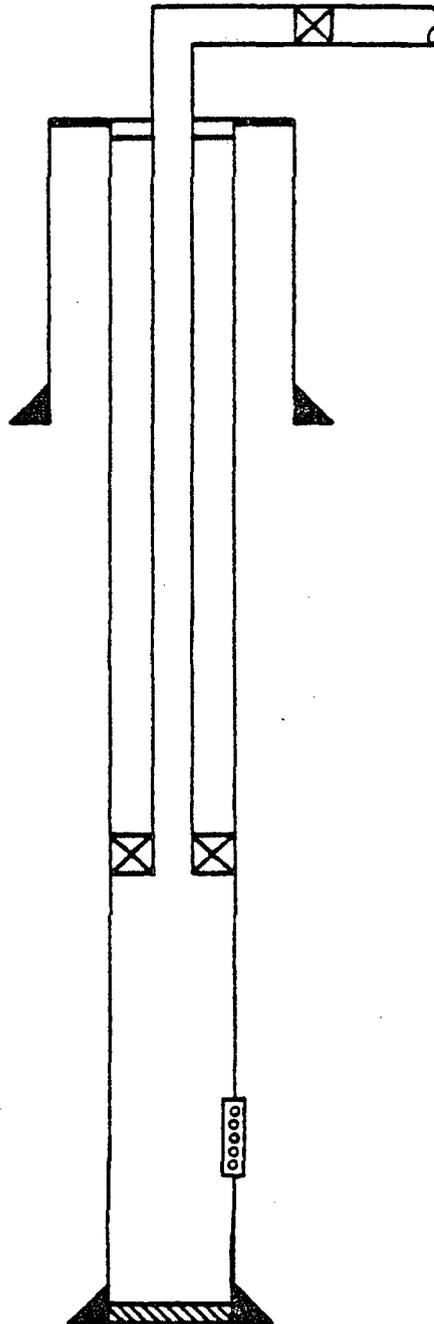
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well F-362  
1850' FNL & 350' FEL, Sec. 34, T-17S, R-28E

Eddy County, New Mexico

8-5/8" casing  
set @ 750'  
(cmt. circ.)

5-1/2" casing  
set @ 6370'  
(cmt. circ.)



2-3/8" OD tubing

Pkr set @ approx.  
5850'

Proposed perforations  
5850-6370'

TD @ 6370'

PROPOSED PRODUCING WELL DIAGRAM

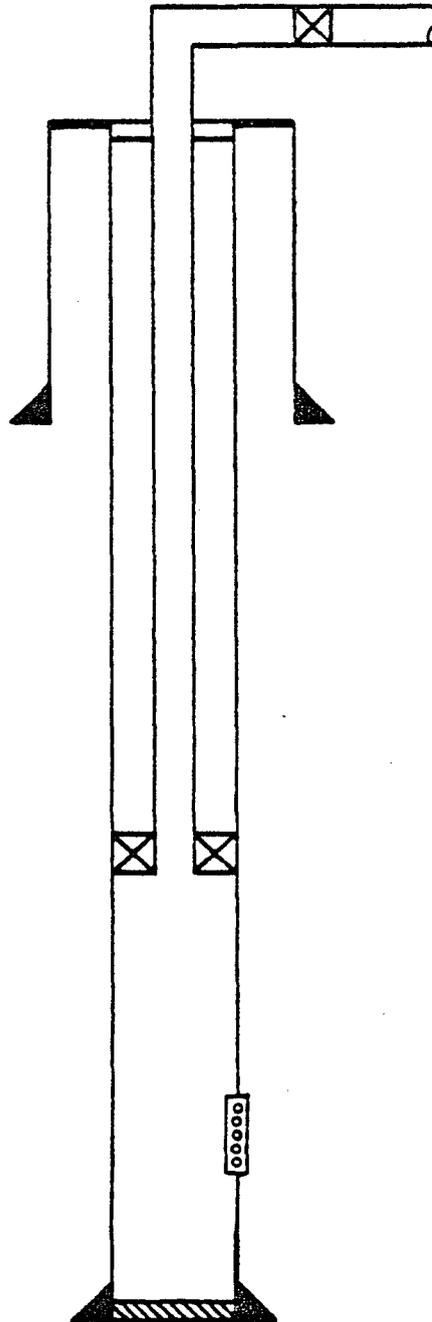
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well F-352  
1330' FNL & 1980' FEL, Sec. 34, T-17S, R-28E

Eddy County, New Mexico

8-5/8" casing  
set @ 600'  
(cmt. circ.)

5-1/2" casing  
set @ 6275'  
(cmt. circ.)



2-3/8" OD tubing

Pkr set @ approx.  
5850'

Proposed perforations  
5900-6275'

TD @ 6275'

PROPOSED PRODUCING WELL DIAGRAM

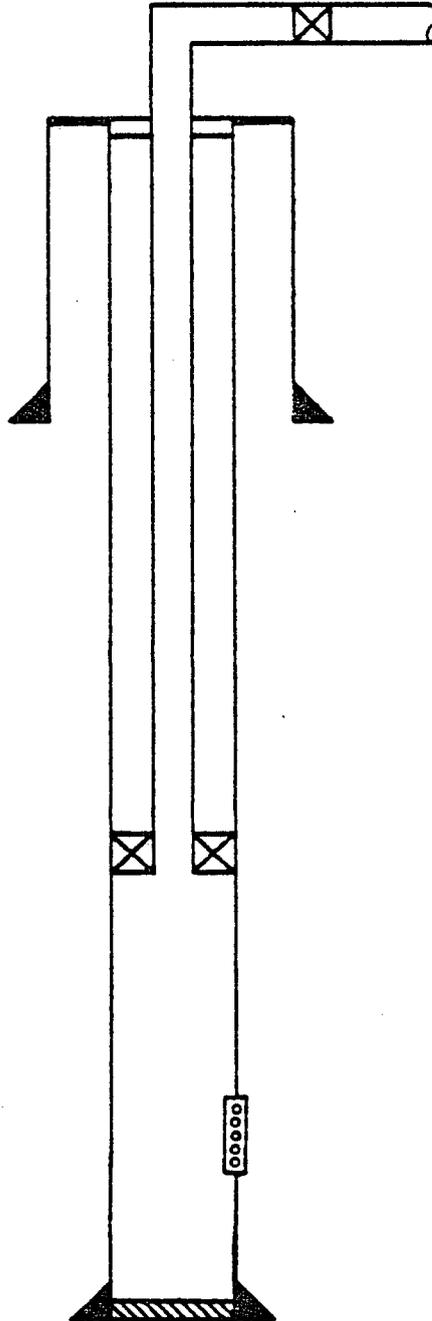
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well F-353  
2400' FNL & 2350' FEL, Sec. 34, T-17S, R-28E

Eddy County, New Mexico

8-5/8" casing  
set @ 600'  
(cmt. circ.)

5-1/2" casing  
set @ 6370'  
(cmt. circ.)



2-3/8" OD tubing

Pkr set @ approx.  
5750'

Proposed perforations  
5800-6370'

TD @ 6370'

PROPOSED PRODUCING WELL DIAGRAM

ATLANTIC RICHFIELD COMPANY

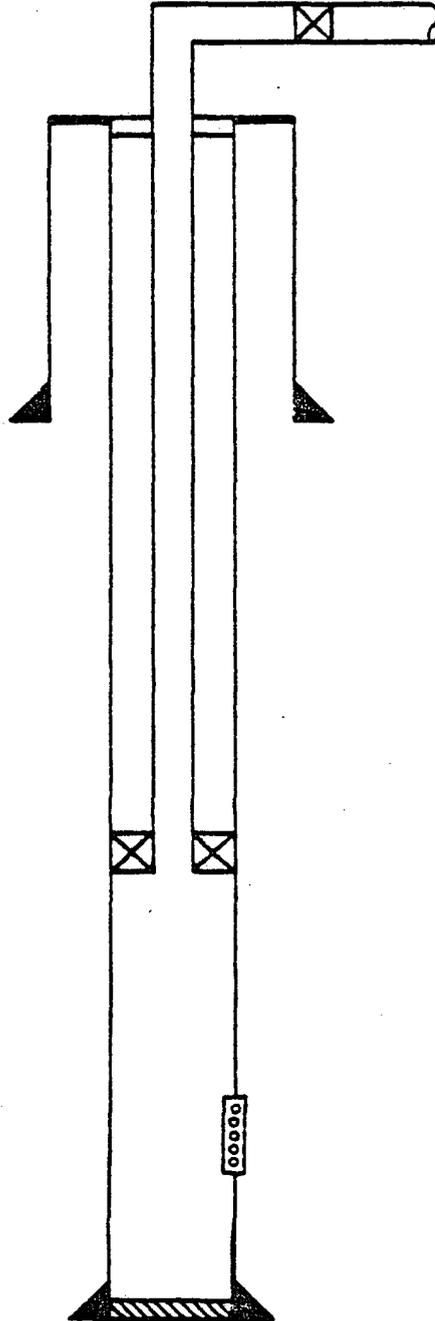
Empire Abo Unit Well F-322

2480' FNL & 500' FEL, Sec. 33, T-17S, R-28E

Eddy County, New Mexico

8-5/8" casing  
set @ 600'  
(cmt. circ.)

5-1/2" casing  
set @ 6325'  
(cmt. circ.)



2-3/8" OD tubing

Pkr set @ approx.  
5800'

Proposed perforations  
5800-6325'

TD @ 6325'

PROPOSED PRODUCING WELL DIAGRAM

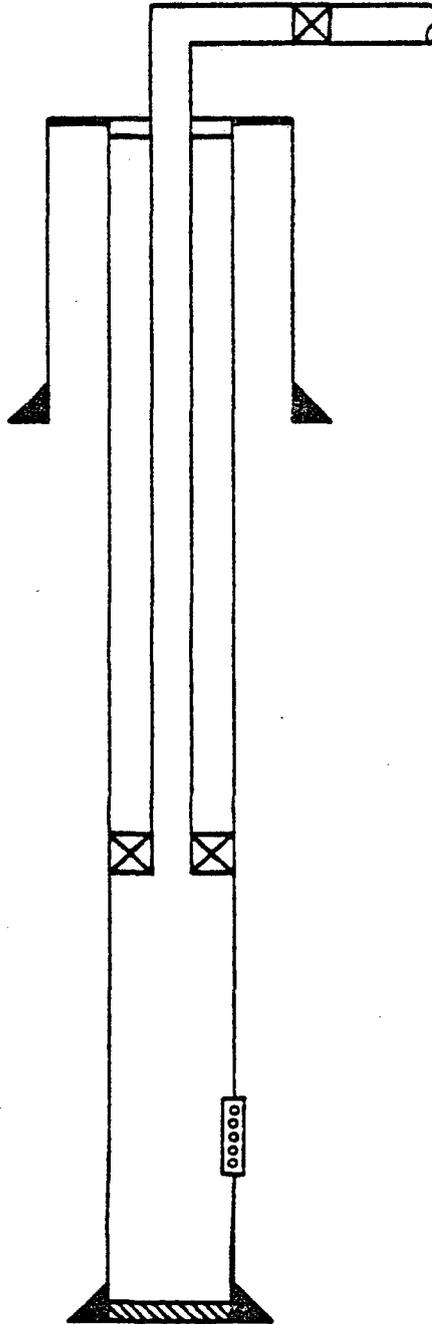
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well G-333  
2100' FSL & 1100' FWL, Sec. 34, T-17S, R-28E

Eddy County, New Mexico

8-5/8" casing  
set @ 600'  
(cmt. circ.)

5-1/2" casing  
set @ 6350'  
(cmt. circ.)



2-3/8" OD tubing

Pkr set @ approx.  
5800'

Proposed perforations  
5800-6350'

TD @ 6350'

PROPOSED PRODUCING WELL DIAGRAM

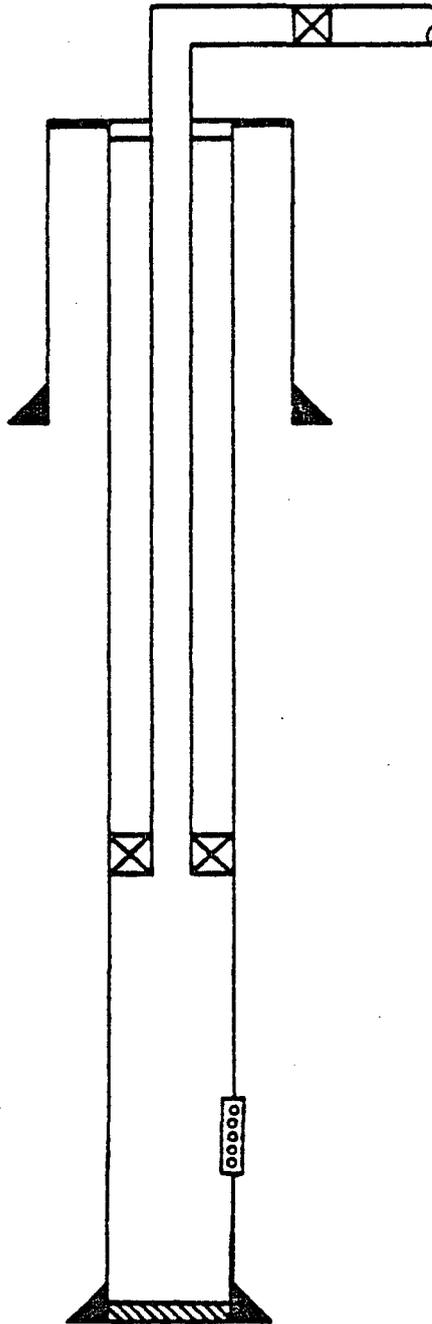
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well G-313

2000' FSL & 2450' FEL, Sec. 33, T-17S, R-28E  
Eddy County, New Mexico

8-5/8" casing  
set @ 600'  
(cmt. circ.)

5-1/2" casing  
set @ 6350'  
(cmt. circ.)



2-3/8" OD tubing

Pkr set @ approx.  
5750'

Proposed perforations  
5800-6350'

TD @ 6350'

PROPOSED PRODUCING WELL DIAGRAM

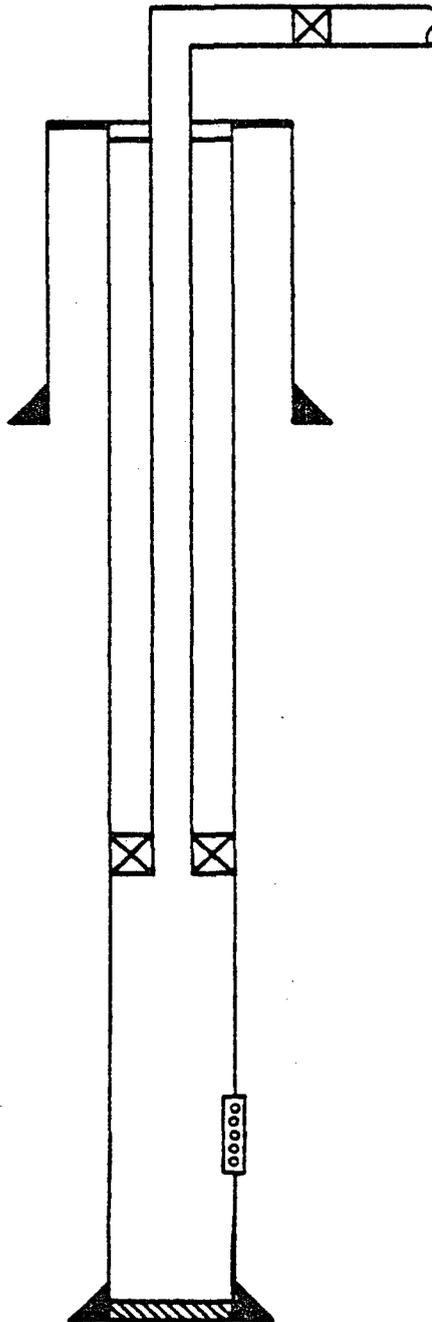
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well H-312  
815' FSL & 2525' FEL, Sec. 33, T-17S, R-28E

Eddy County, New Mexico

8-5/8" casing  
set @ 600'  
(cmt. circ.)

5-1/2" casing  
set @ 6370'  
(cmt. circ.)



2-3/8" OD tubing

Pkr set @ approx.  
5800'

Proposed perforations  
5850-6370'

TD @ 6370'

PROPOSED PRODUCING WELL DIAGRAM

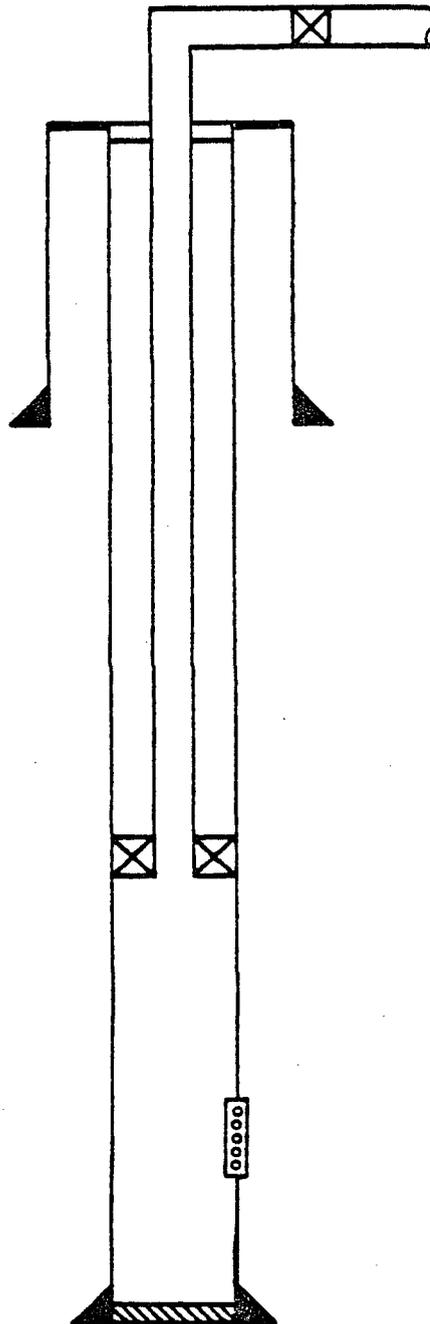
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well H-302  
1250' FSL & 1925' FWL, Sec. 33, T-17S, R-28E

Eddy County, New Mexico

8-5/8" casing  
set @ 600'  
(cmt. circ.)

5-1/2" casing  
set @ 6300'  
(cmt. circ.)



2-3/8" OD tubing

Pkr set @ approx.  
5700'

Proposed perforations  
5800-6300'

TD @ 6300'

PROPOSED PRODUCING WELL DIAGRAM

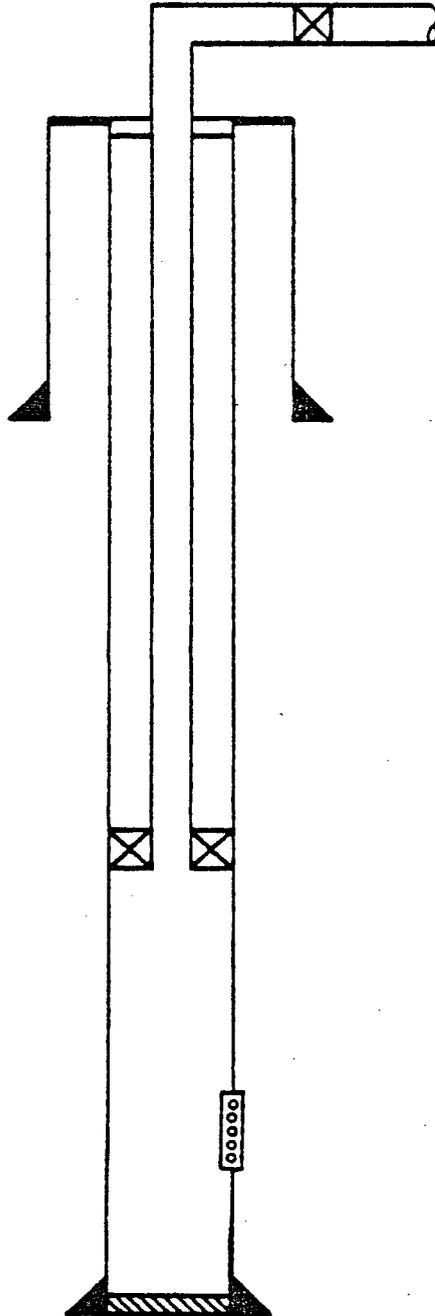
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well H-303  
800' FSL & 1340' FWL, Sec. 33, T-17S, R-28E

Eddy County, New Mexico

8-5/8" casing  
set @ 600'  
(cmt. circ.)

5-1/2" casing  
set @ 6300'  
(cmt. circ.)



2-3/8" OD tubing

Pkr set @ approx.  
5700'

Proposed perforations  
5750-6300'

TD @ 6300'

PROPOSED PRODUCING WELL DIAGRAM

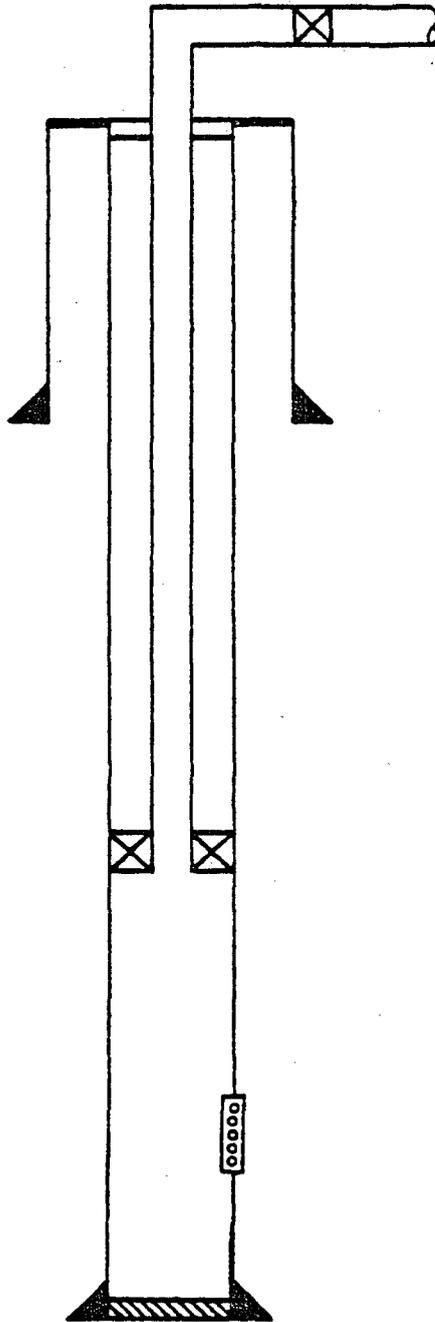
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well H-294

1200' FSL & 700' FWL, Sec. 33, T-17S, R-28E  
Eddy County, New Mexico

8-5/8" casing  
set @ 600'  
(cmt. circ.)

5-1/2" casing  
set @ 6300'  
(cmt. circ.)



2-3/8" OD tubing

Pkr set @ approx.  
5750'

Proposed perforations  
5800-6300'

TD @ 6300'

PROPOSED PRODUCING WELL DIAGRAM

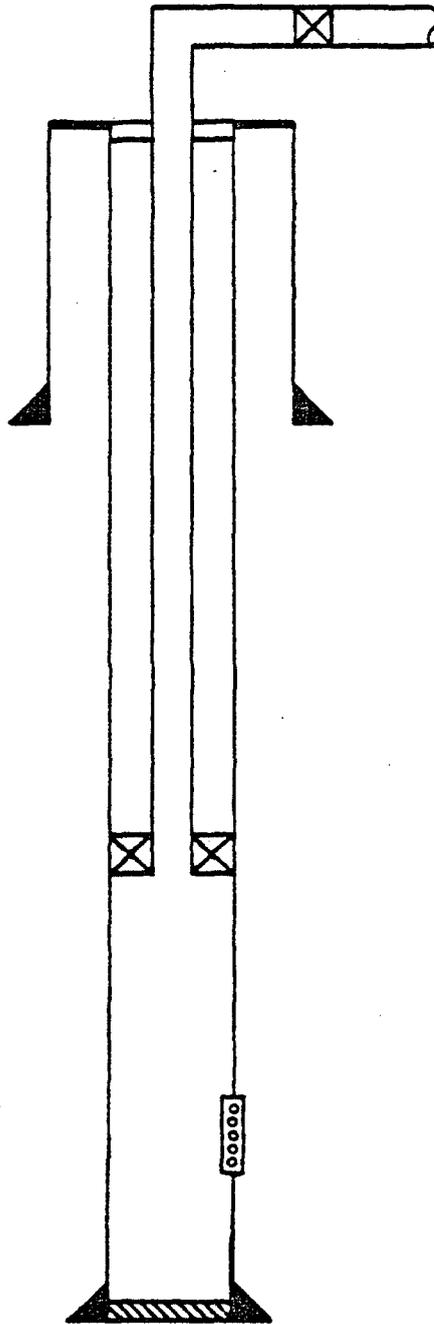
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well H-295

700' FSL & 10' FWL, Sec. 33, T-17S, R-28E  
Eddy County, New Mexico

8-5/8" casing  
set @ 600'  
(cmt. circ.)

5-1/2" casing  
set @ 6300'  
(cmt. circ.)



2-3/8" OD tubing

Pkr set @ approx.

5700'

Proposed perforations

5750-6300'

TD @ 6300'

PROPOSED PRODUCING WELL DIAGRAM

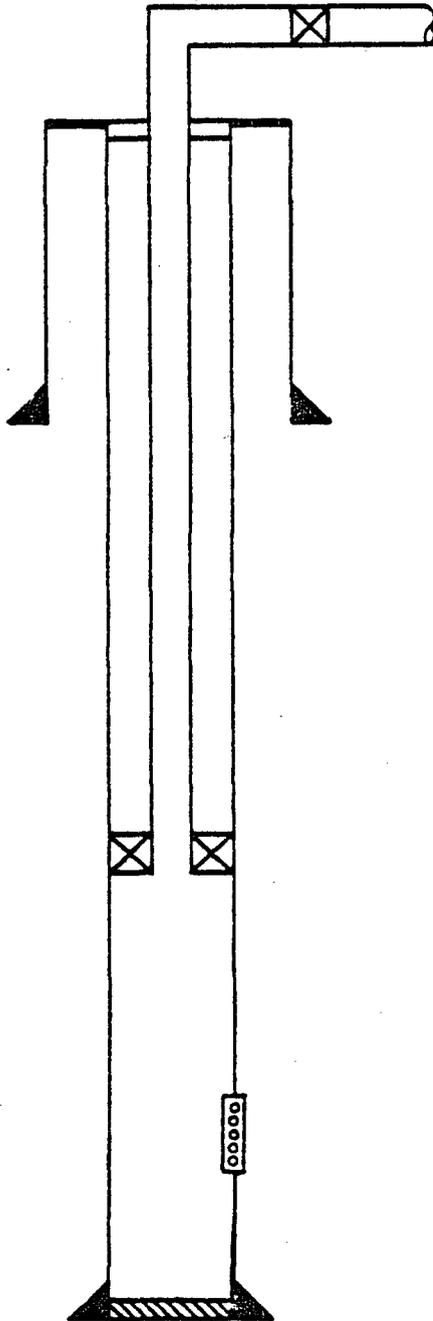
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well H-281

200' FSL & 660' FEL, Sec. 32, T-17S, R-28E  
Eddy County, New Mexico

8-5/8" casing  
set @ 600'  
(cmt. circ.)

5-1/2" casing  
set @ 6325'  
(cmt. circ.)



2-3/8" OD tubing

Pkr set @ approx.  
5700'

Proposed perforations  
5700-6325'

TD @ 6325'

PROPOSED PRODUCING WELL DIAGRAM

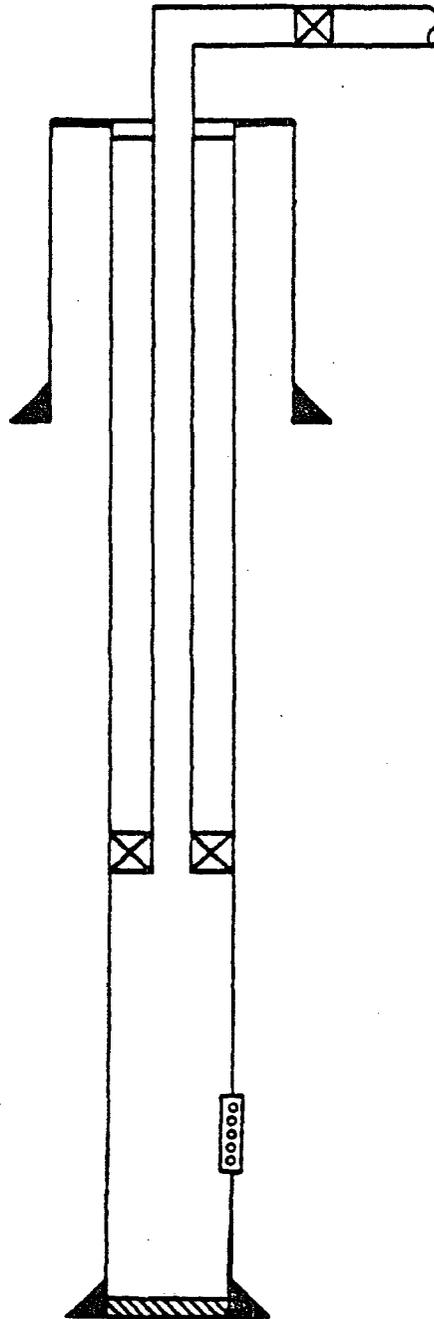
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well I-291

200' FNL & 350' FWL, Sec. 4, T-18S, R-28E  
Eddy County, New Mexico

8-5/8" casing  
set @ 600'  
(cmt. circ.)

5-1/2" casing  
set @ 6350'  
(cmt. circ.)



2-3/8" OD tubing

Pkr set @ approx.  
5900'

Proposed perforations  
5950-6350'

TD @ 6350'

PROPOSED PRODUCING WELL DIAGRAM

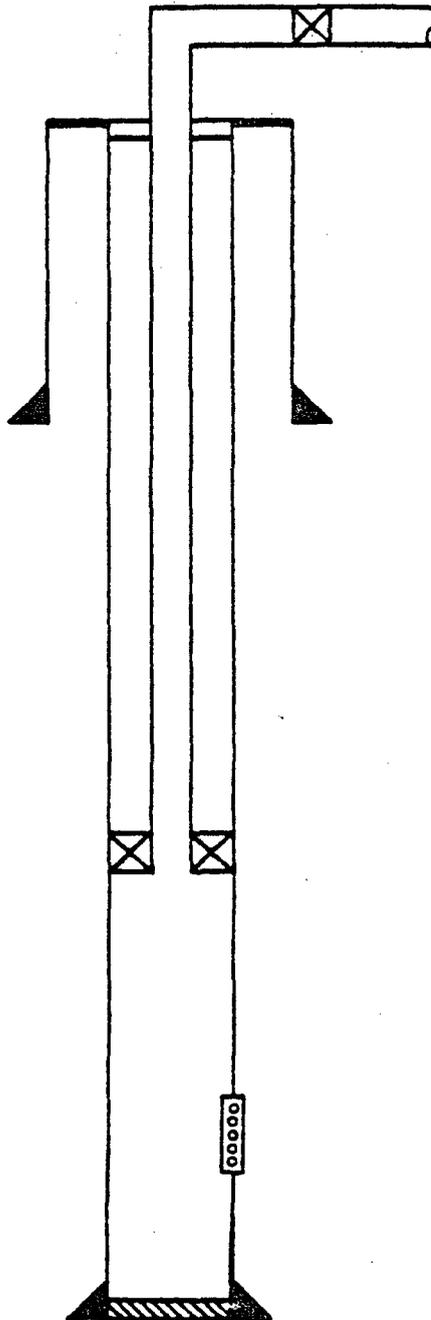
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well I-283

175' FNL & 300' FEL, Sec. 5, T-18S, R-28E  
Eddy County, New Mexico

8-5/8" casing  
set @ 550'  
(cmt. circ.)

5-1/2" casing  
set @ 6350'  
(cmt. circ.)



2-3/8" OD tubing

Pkr set @ approx.  
5800'

Proposed perforations  
5850-6350'

TD @ 6350'

PROPOSED PRODUCING WELL DIAGRAM

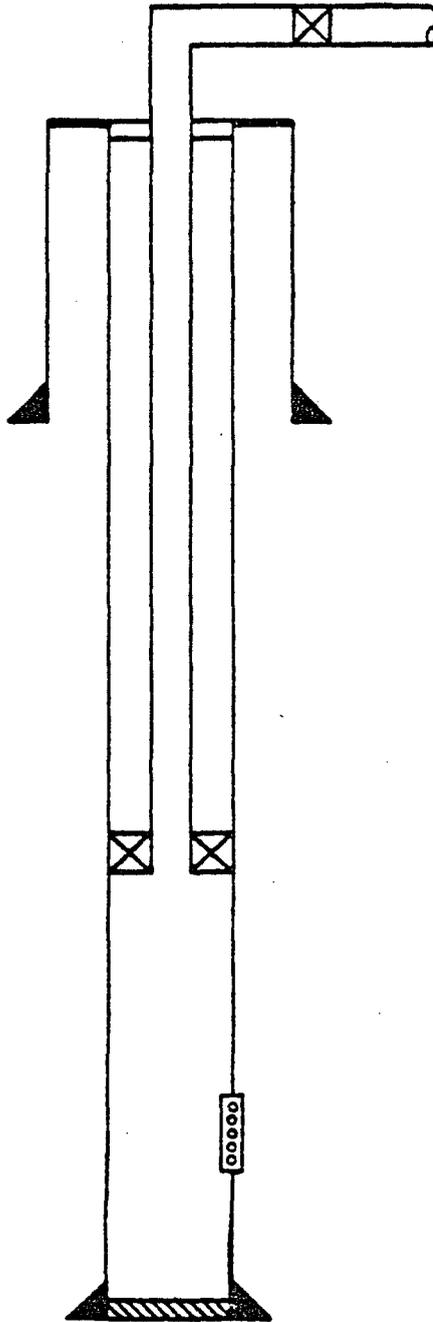
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well J-234

1900' FNL & 2441' FEL, Sec. 6, T-18S, R-28E  
Eddy County, New Mexico

8-5/8" casing  
set @ 550'  
(cmt. circ.)

5-1/2" casing  
set @ 6250'  
(cmt. circ.)



2-3/8" OD tubing

Pkr set @ approx.  
5700'

Proposed perforations  
5800-6250'

TD @ 6250'

PROPOSED PRODUCING WELL DIAGRAM

ATLANTIC RICHFIELD COMPANY

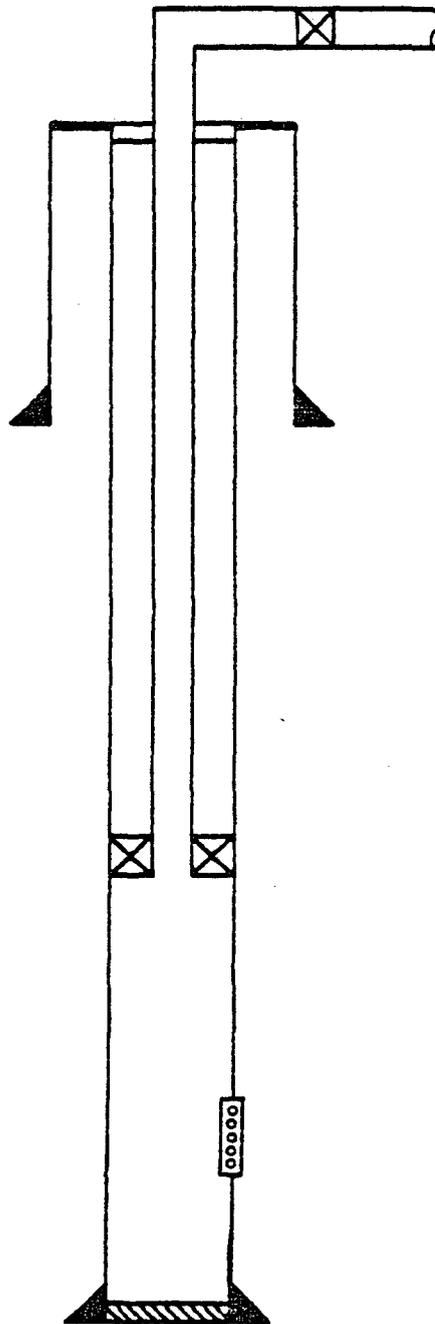
Empire Abo Unit Well J-212

1900' FNL & 100' FWL, Sec. 6, T-18S, R-28E

Eddy County, New Mexico

8-5/8" casing  
set @ 550'  
(cmt. circ.)

5-1/2" casing  
set @ 6200'  
(cmt. circ.)



2-3/8" OD tubing

Pkr set @ approx.  
5600'

Proposed perforations  
5650-6200'

TD @ 6200'



PROPOSED PRODUCING WELL DIAGRAM

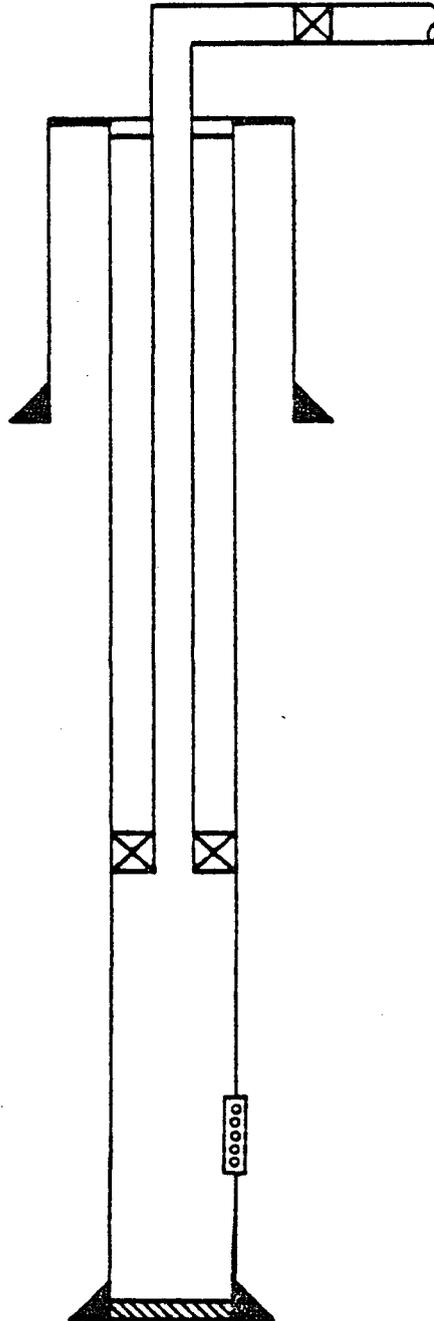
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well J-214

2450' FNL & 400' FWL, Sec. 6, T-18S, R-28E  
Eddy County, New Mexico

8-5/8" casing  
set @ 550'  
(cmt. circ.)

5-1/2" casing  
set @ 6250'  
(cmt. circ.)



2-3/8" OD tubing

Pkr set @ approx.  
5600'

Proposed perforations  
5650-6250'

TD @ 6250'

PROPOSED PRODUCING WELL DIAGRAM

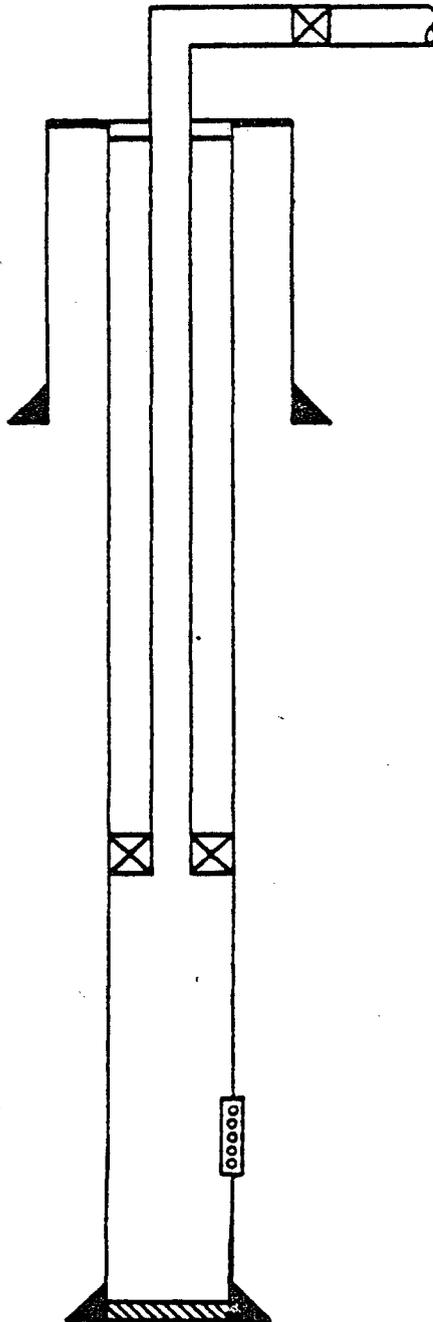
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well J-203

2400' FNL & 700' FEL, Sec. 1, T-18S, R-27E  
Eddy County, New Mexico

8-5/8" casing  
set @ 1000'  
(cmt. circ.)

5-1/2" casing  
set @ 6225'  
(cmt. circ.)



2-3/8" OD tubing

Pkr set @ approx.

5600'

Proposed perforations  
5650-6225'

TD @ 6225'

PROPOSED PRODUCING WELL DIAGRAM

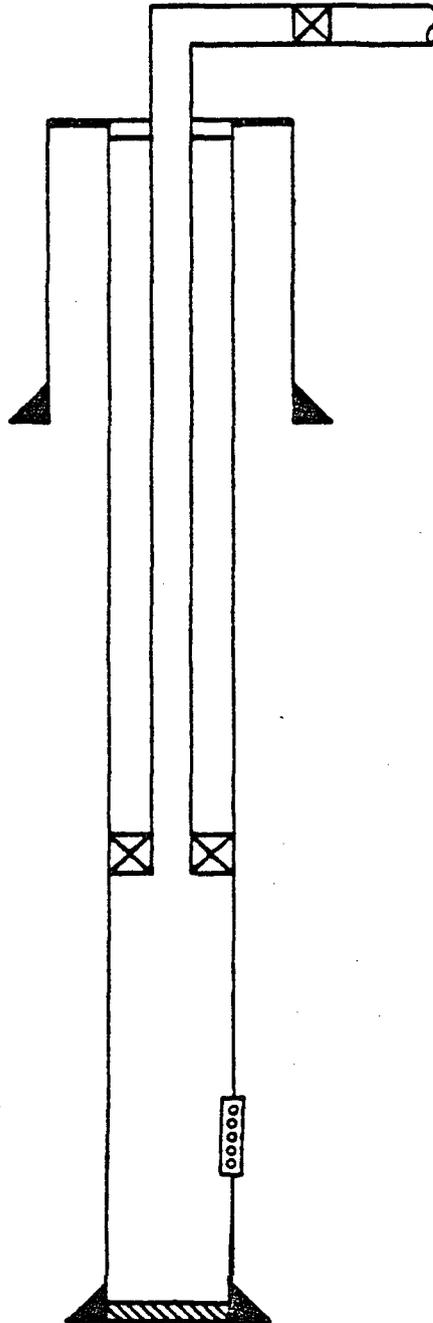
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well K-193

2150' FSL & 2450' FEL, Sec. 1, T-18S, R-27E  
Eddy County, New Mexico

8-5/8" casing  
set @ 1000'  
(cmt. circ.)

5-1/2" casing  
set @ 6225'  
(cmt. circ.)



2-3/8" OD tubing

Pkr set @ approx.  
5850'

Proposed perforations  
5900-6225'

TD @ 6225'

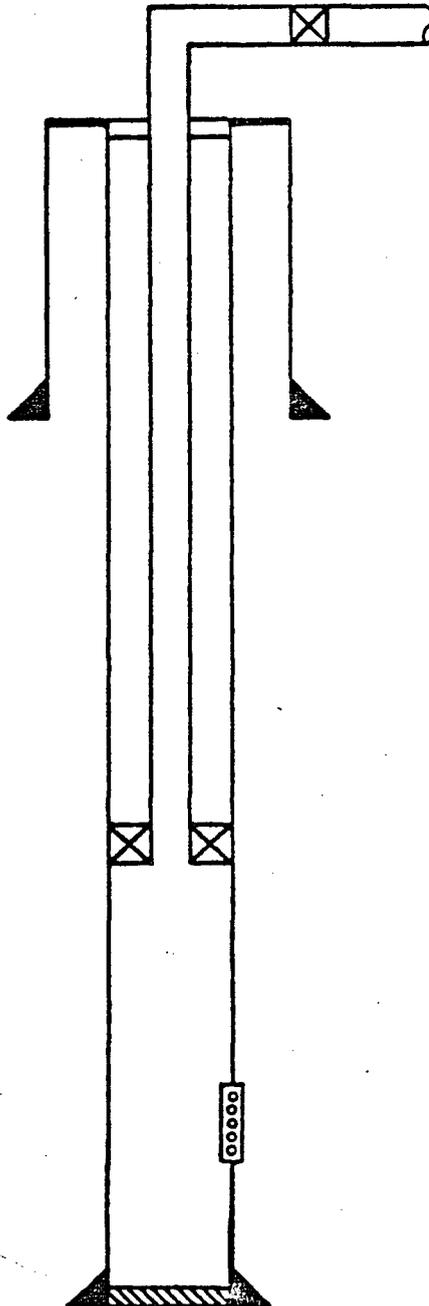
PROPOSED PRODUCING WELL DIAGRAM

ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well K-194  
1500' FSL & 2130' FEL, Sec. 1, T-18S, R-27E  
Eddy County, New Mexico

8-5/8" casing  
set @ 1000'  
(cmt. circ.)

5-1/2" casing  
set @ 6300'  
(cmt. circ.)



2-3/8" OD tubing

Pkr set @ approx.  
6000'

Proposed perforations  
6050-6300'

TD @ 6300'

PROPOSED PRODUCING WELL DIAGRAM

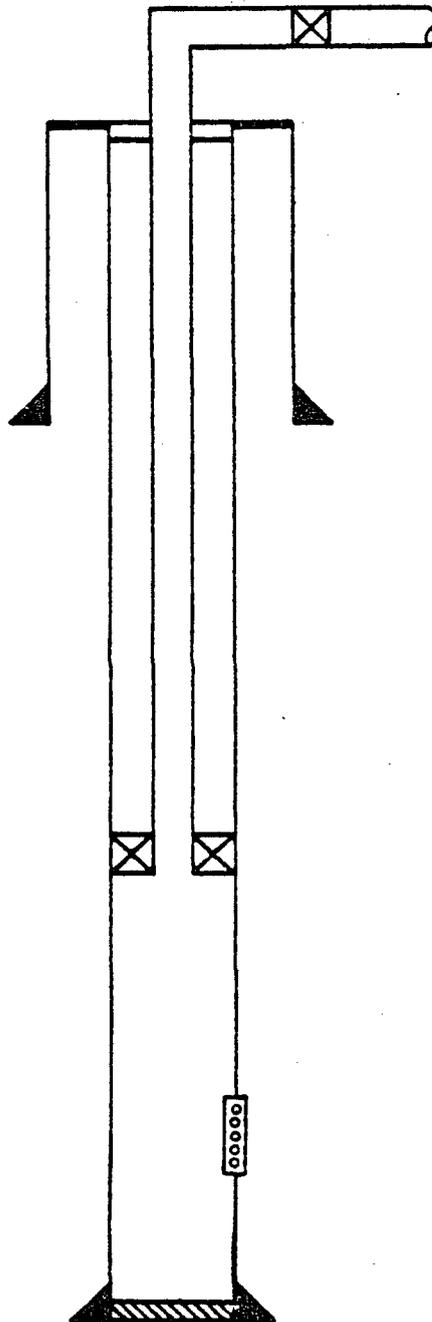
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well L-154  
750' FSL & 2550' FEL, Sec. 2, T-18S, R-27E

Eddy County, New Mexico

8-5/8" casing  
set @ 1000'  
(cmt. circ.)

5-1/2" casing  
set @ 6200'  
(cmt. circ.)



2-3/8" OD tubing

Pkr set @ approx.  
5750'

Proposed perforations  
5800-6200'

TD @ 6200'

PROPOSED PRODUCING WELL DIAGRAM

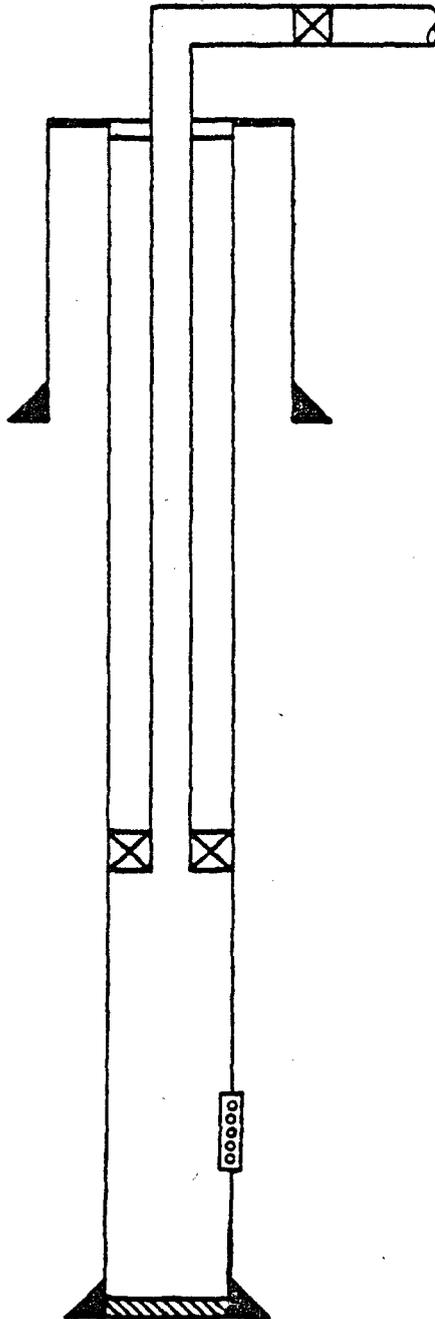
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well L-142  
100' FSL & 1950' FWL, Sec. 2, T-18S, R-27E

Eddy County, New Mexico

8-5/8" casing  
set @ 1000'  
(cmt. circ.)

5-1/2" casing  
set @ 6200'  
(cmt. circ.)



2-3/8" OD tubing

Pkr set @ approx.  
5850'

Proposed perforations  
5900-6200'

TD @ 6200'

PROPOSED PRODUCING WELL DIAGRAM

ATLANTIC RICHFIELD COMPANY

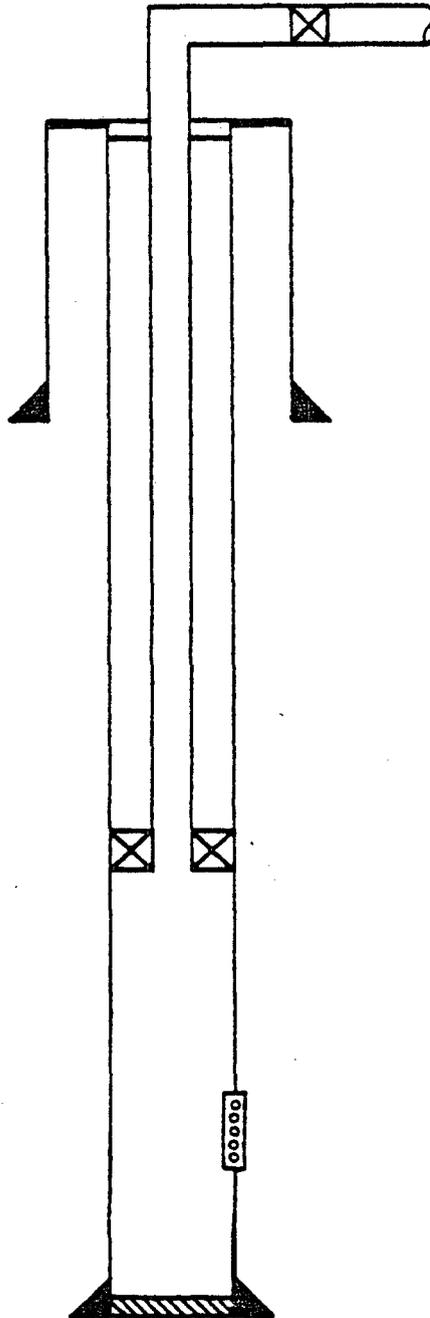
Empire Abo Unit Well L-143

1200' FSL & 1900' FWL, Sec. 2, T-18S, R-27E

Eddy County, New Mexico

8-5/8" casing  
set @ 1000'  
(cmt. circ.)

5-1/2" casing  
set @ 6100'  
(cmt. circ.)



2-3/8" OD tubing

Pkr set @ approx.

5600'

Proposed perforations  
5650-6100'

TD @ 6100'

PROPOSED PRODUCING WELL DIAGRAM

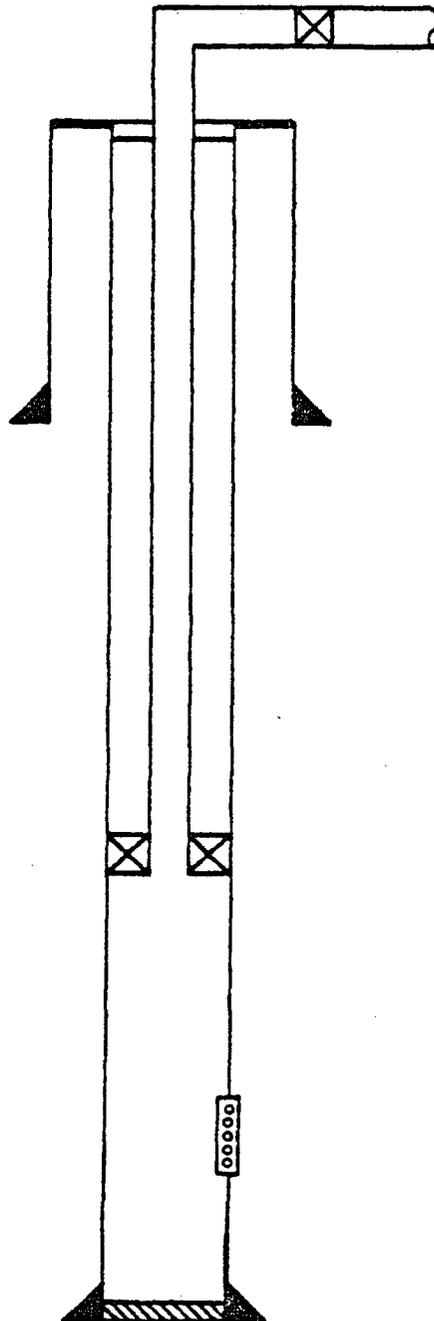
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well M-132

625' FNL & 175' FWL, Sec. 11, T-18S, R-27E  
Eddy County, New Mexico

8-5/8" casing  
set @ 1000'  
(cmt. circ.)

5-1/2" casing  
set @ 6200'  
(cmt. circ.)



2-3/8" OD tubing

Pkr set @ approx.  
5900'

Proposed perforations  
5950-6200'

TD @ 6200'