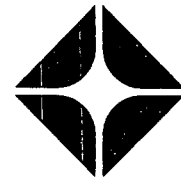


Atlantic Richfield Company

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

April 4, 1978

NEW MEXICO OIL AND GAS CONSERVATION COMMISSION
Santa Fe



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

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.

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

NSL-937
Order R-4549-B
Rule 14
4-26-78

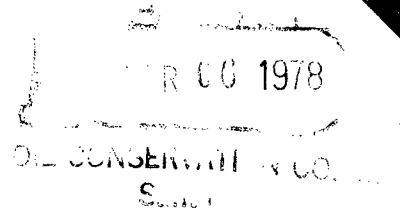
Do like
NSL 9/15

Atlantic Richfield Company

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



April 4, 1978



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

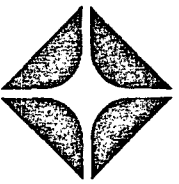
Yates Drilling Company
207 South Fourth
Artesia, New Mexico 88210

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 Sec. 34, T-17S, R-28E ✓	3674.6'
F-352	1330' FNL & 1980' FEL Sec. 34, T-17S, R-28E ✓	3670.3'
F-353	2400' FNL & 2350' FEL Sec. 34, T-17S, R-28E ✓	3661.4'
F-322	2480' FNL & 500' FEL Sec. 33, T-17S, R-28E ✓	3665.2'
G-333	2100' FSL & 1100' FWL Sec. 34, T-17S, R-28E ✓	3660.2'
G-313	2000' FSL & 2450' FEL Sec. 33, T-17S, R-28E ✓	3662.5'
H-312	815' FSL & 2525' FEL Sec. 33, T-17S, R-28E ✓	3664.9'
H-302	1250' FSL & 1925' FWL Sec. 33, T-17S, R-28E ✓	3670.9'
H-303	800' FSL & 1340' FWL Sec. 33, T-17S, R-28E ✓	3665.6'
H-294	1200' FSL & 700' FWL Sec. 33, T-17S, R-28E ✓	3666.2'
H-295	700' FSL & 10' FWL Sec. 33, T-17S, R-28E ✓	3666.4'
H-281	200' FSL & 660' FEL Sec. 32, T-17S, R-28E ✓	3663.4'
I-291	200' FNL & 350' FWL Sec. 4, T-18S, R-28E ✓	3662.7'
I-283	175' FNL & 300' FEL Sec. 5, T-18S, R-28E ✓	3661.0'
J-234	1900' FNL & 2441' FEL Sec. 6, T-18S, R-28E ✓	3677.6'
- J-212	1900' FNL & 100' FWL Sec. 6, T-18S, R-28E ✓	3649.7'
- J-213	1950' FNL & 1300' FWL Sec. 6, T-18S, R-28E ✓	3647.8'
- J-214	2450' FNL & 400' FWL Sec. 6, T-18S, R-28E ✓	3650.1'
J-203	2400' FNL & 700' FEL Sec. 1, T-18S, R-27E ✓	3650.9'
- K-193	2150' FSL & 2450' FEL Sec. 1, T-18S, R-27E ✓	3635.4'
K-194	1500' FSL & 2130' FEL Sec. 1, T-18S, R-27E ✓	3618.3'
- L-154	750' FSL & 2550' FEL Sec. 2, T-18S, R-27E ✓	3553.4'
L-142	100' FSL & 1950' FWL Sec. 2, T-18S, R-27E ✓	3555.6'
L-143	1200' FSL & 1900' FWL Sec. 2, T-18S, R-27E ✓	3528.0'
M-132	625' FNL & 175' FWL Sec. 11, T-18S, R-27E ✓	3540.6'



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."

*711 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,

A handwritten signature in cursive script, appearing to read "J L Tweed".

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

4-2-1978

DATE 5-1-78

RE: Proposed MC _____
Proposed DHC _____
Proposed NSL X _____
Proposed SWD _____
Proposed WFX _____
Proposed PMX _____

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. Gressett

RECEIVED

EXHIBIT 1

APR 5 1978

D.C.C.
ARTESIA, OFFICEATLANTIC 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'
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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'

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.

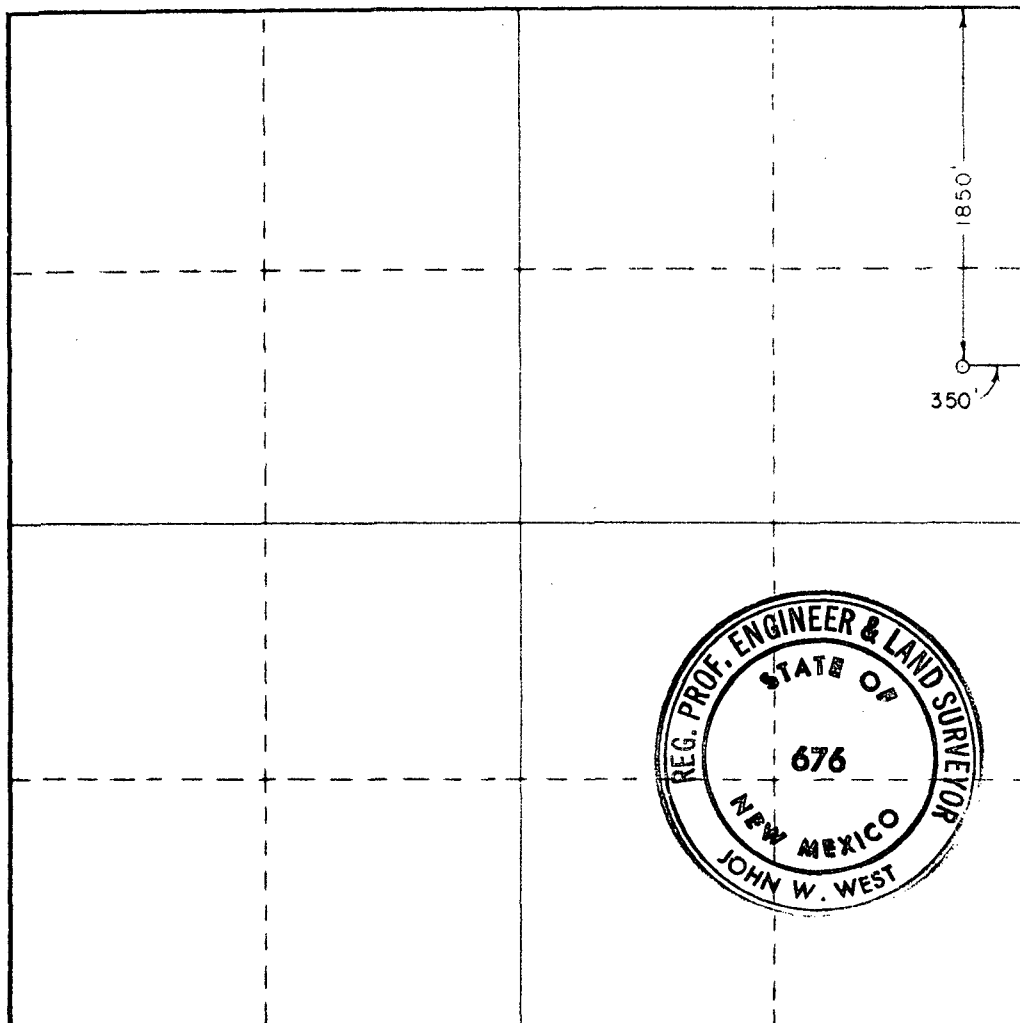
Operator Atlantic Richfield Co.			Lease Empire Abo Unit - F			Well No. 362		
Unit Letter H	Section 34	Township 17 South	Range 28 East	County CONSERVATION COMM.				
Actual Footage Location of Well: 1850 feet from the North line and 350 feet from the East line								
Ground Level Elev. 3674.6	Producing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

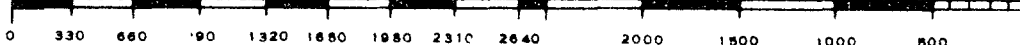
December 19, 1977

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

APR 06 1978

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

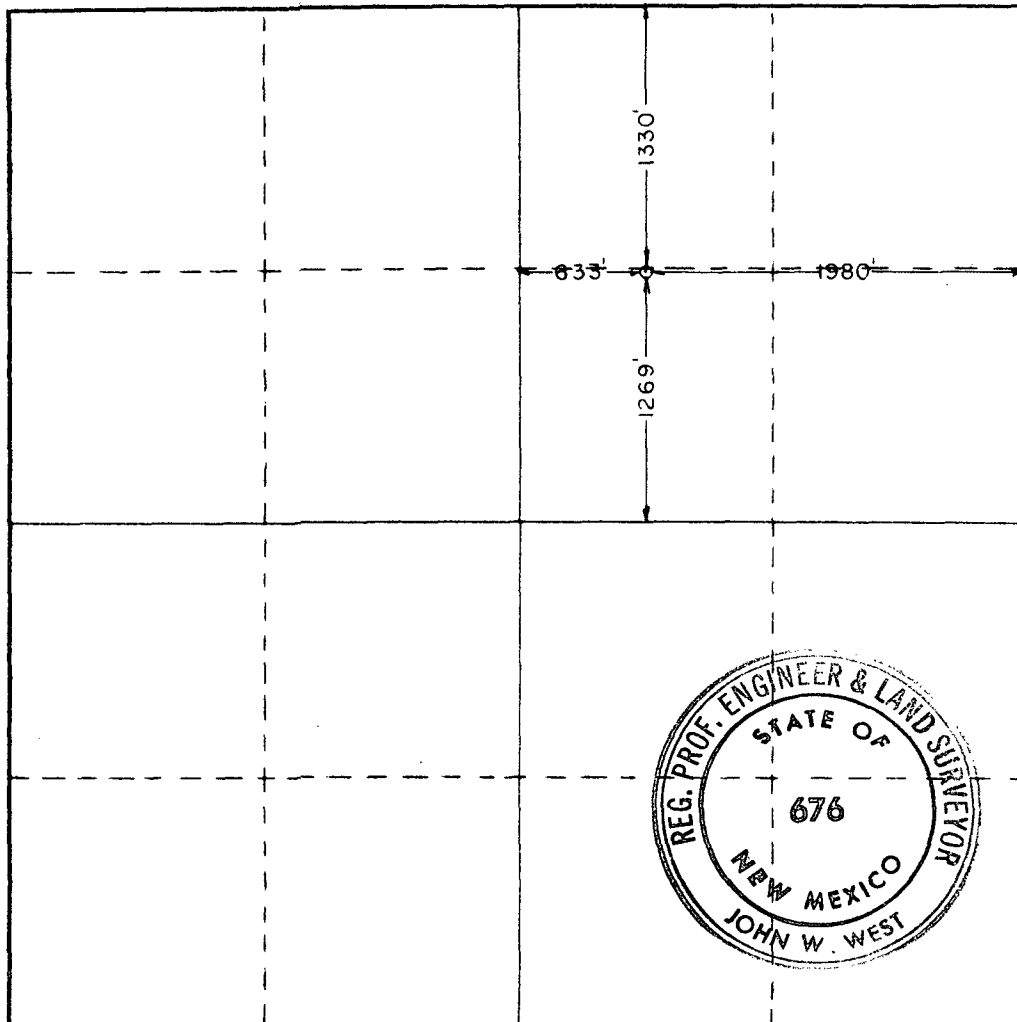
Operator Atlantic Richfield Co.			Lease Empire Abo Unit # F			Well No. CONV 352		
Unit Letter G	Section 34	Township 17 South	Range 28 East	County Eddy				
Actual Footage Location of Well: 1330 feet from the North line and 1980 feet from the East line								
Ground Level Elev. 3670.3	Producing Formation		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).
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**

APR 06 1978

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

All distances must be from the outer boundaries of the Section

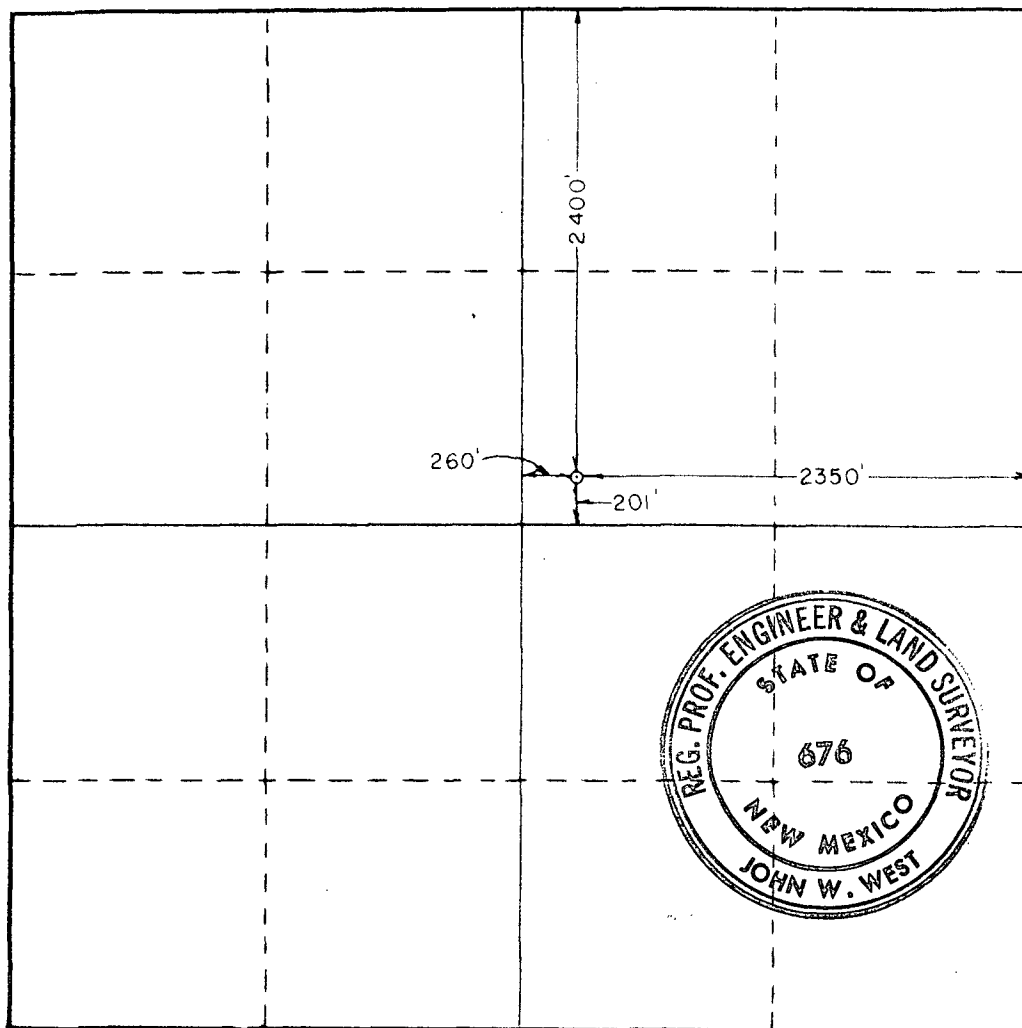
Operator Atlantic Richfield Co.			Lease Empire Abo Unit # F		Well No. 353
Unit Letter G	Section 34	Township 17 South	Range 28 East	County Eddy	
Actual Footage Location of Well: 2400 feet from the North line and 2350 feet from the East line					
Ground Level Elev. 3661.4	Producing Formation		Pool	Dedicated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

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.

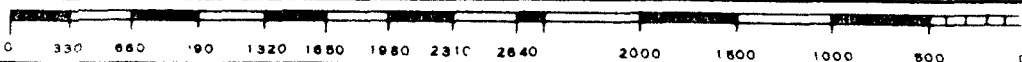
March 17, 1978

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

RCC 1978

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

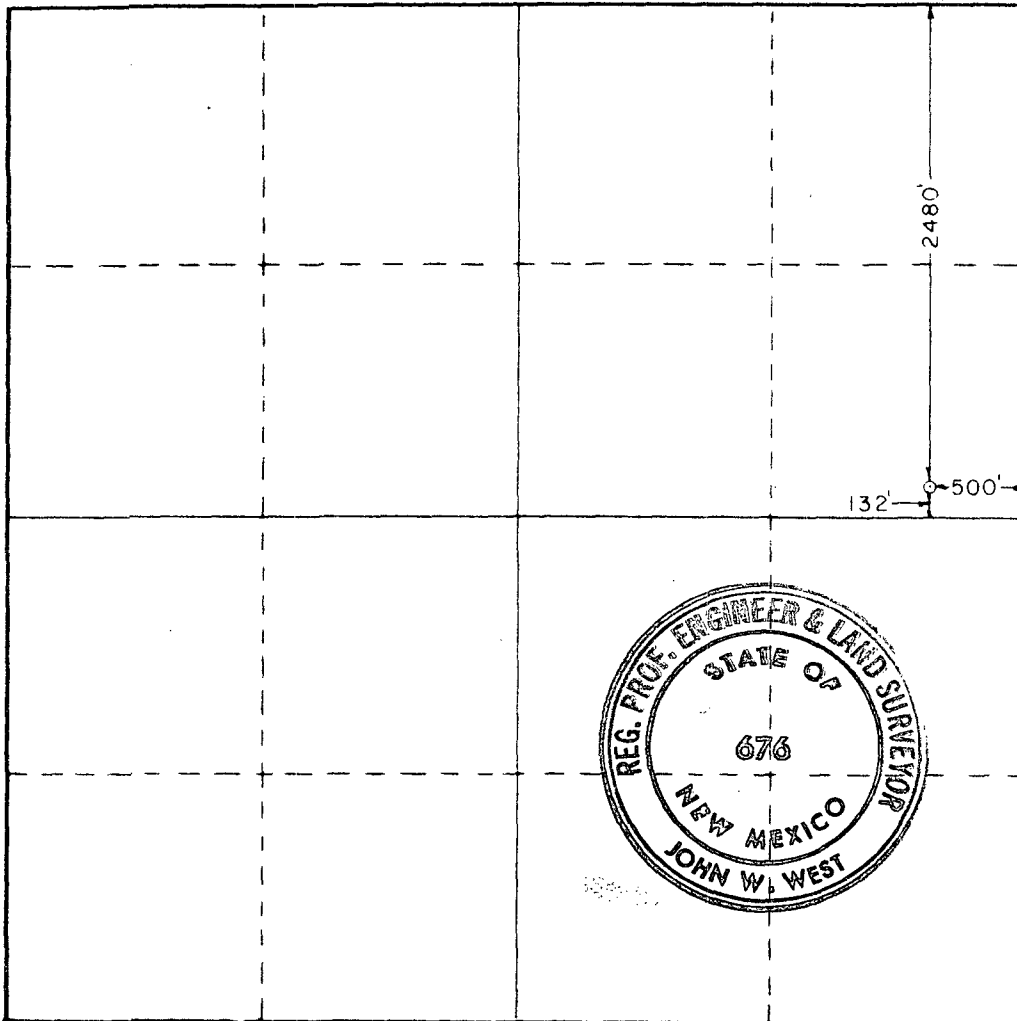
Operator Atlantic Richfield Co.			Lease Empire Abo Unit # F			Well No. 322		
Unit Letter H	Section 33	Township 17 South	Range 28 East	County Eddy				
Actual Footage Location of Well: 2480 feet from the North line and 500 feet from the East line								
Ground Level Elev. 3665.2	Producing Formation			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).
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 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

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.

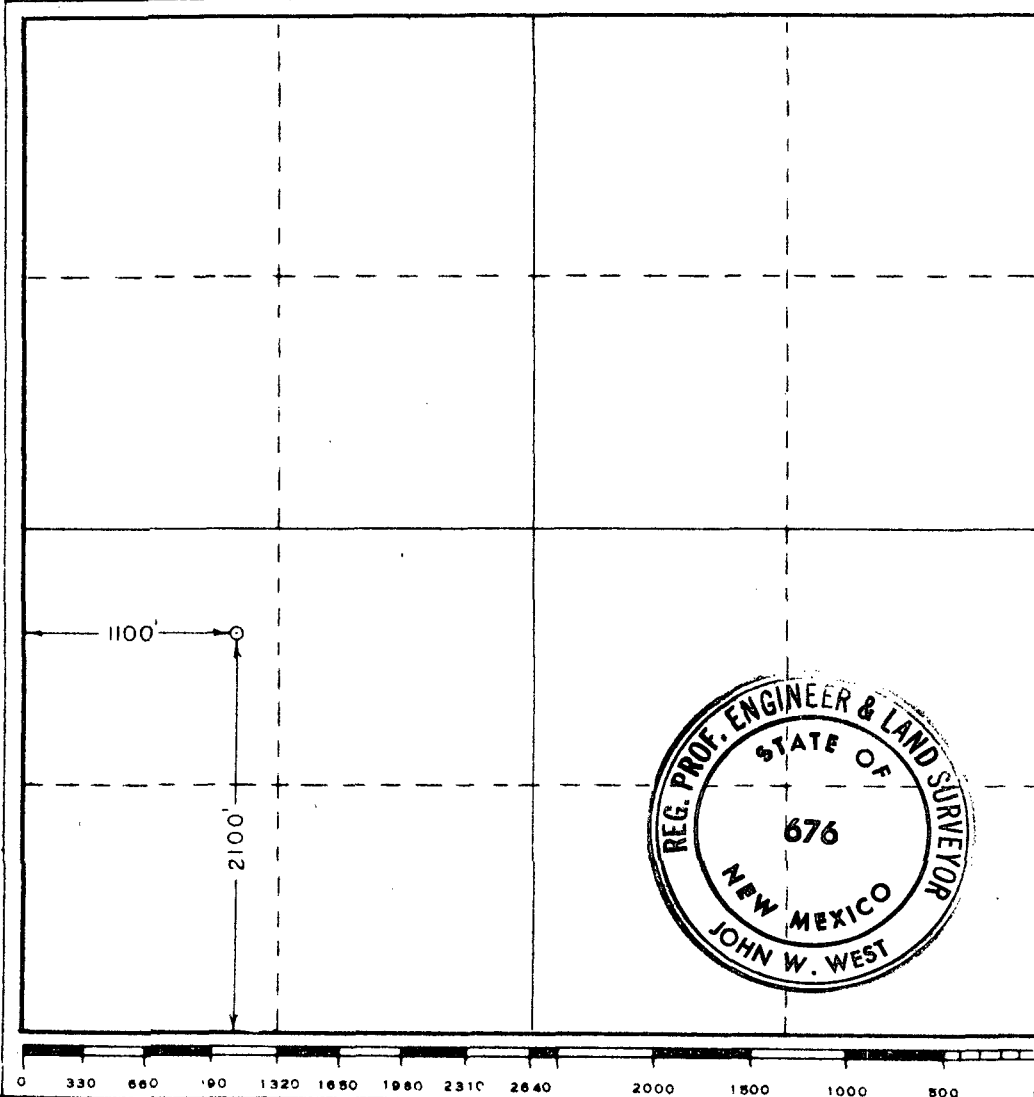
Operator Atlantic Richfield Co.		Lease Empire Abo Unit - G		Well No. 333
Unit Letter L	Section 34	Township 17 South	Range 28 East	County Eddy
Actual Footage Location of Well: 2100 feet from the South line and 1100 feet from the West line				
Ground Level Elev. 3660.2	Producing Formation	Pool	Dedicated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

December 19, 1977

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No.

676

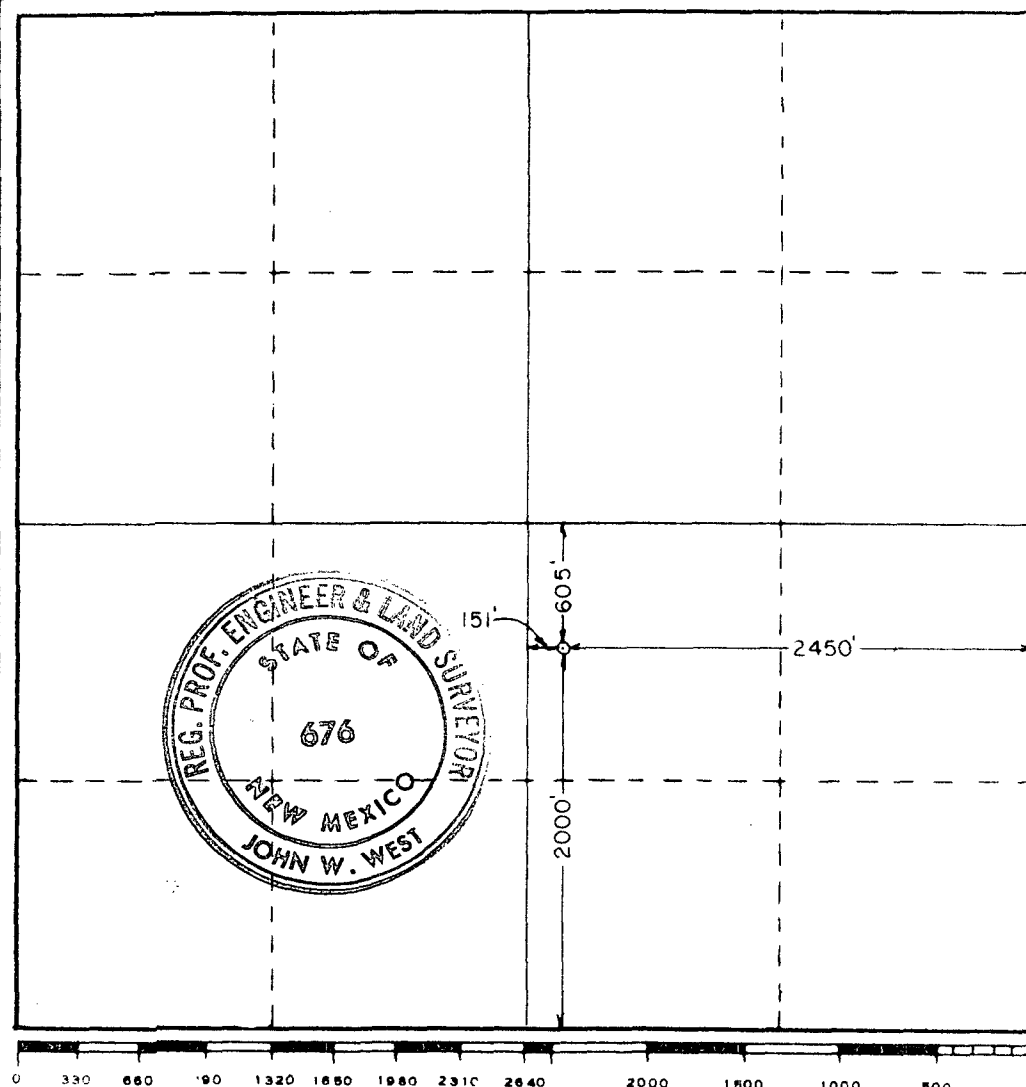
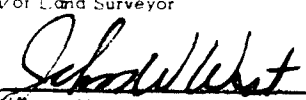
Form C-102
Supersedes C-128
Effective 1-1-65

REC 1978

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

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 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		
Signature 		
Certificate No. John W. West 676		
Signed 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 - CONSERVATION

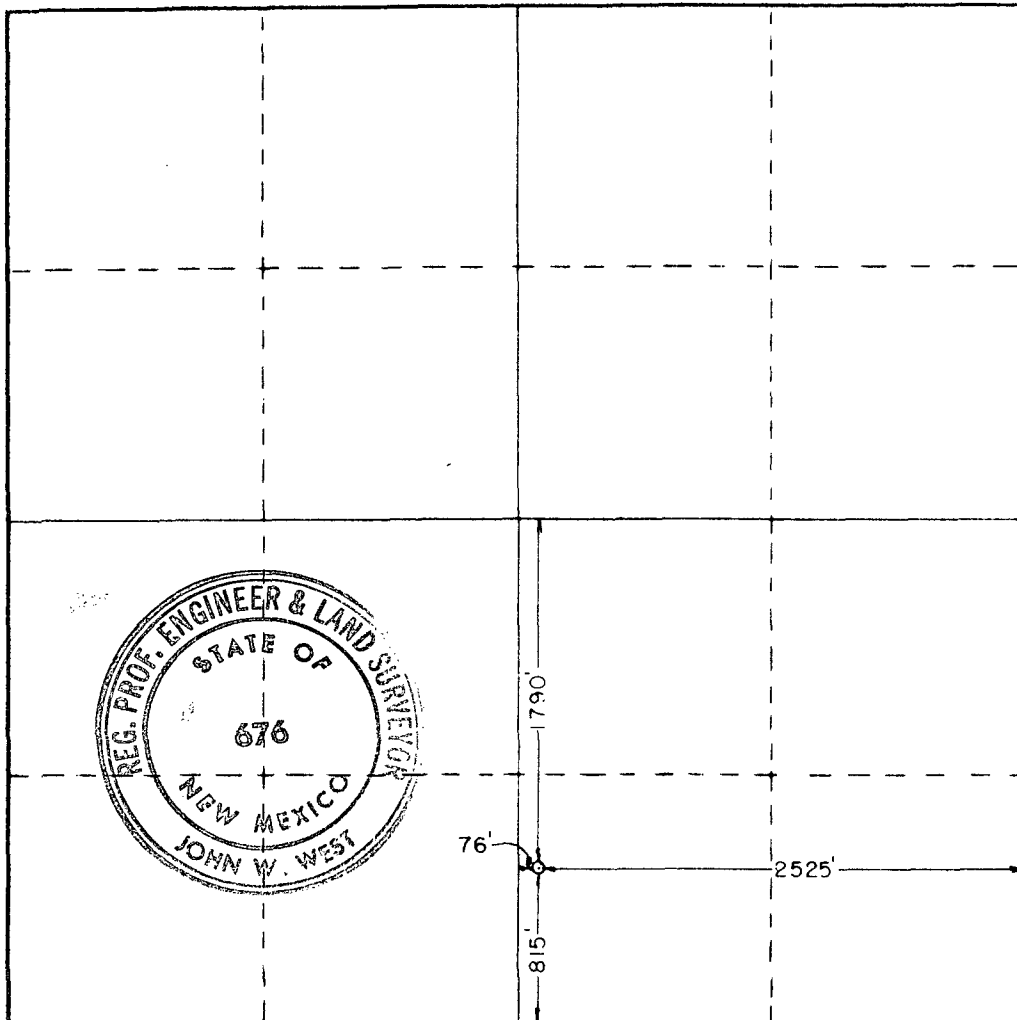
Operator Atlantic Richfield Co.		Lease Empire Abo Unit # H		Well No. 312
Unit Letter O	Section 33	Township 17 South	Range 28 East	County Eddy
Actual Footage Location of Well: 815 feet from the South line and 2525 feet from the East line				
Ground Level Elev. 3664.9	Producing Formation	Pool	Dedicated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

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

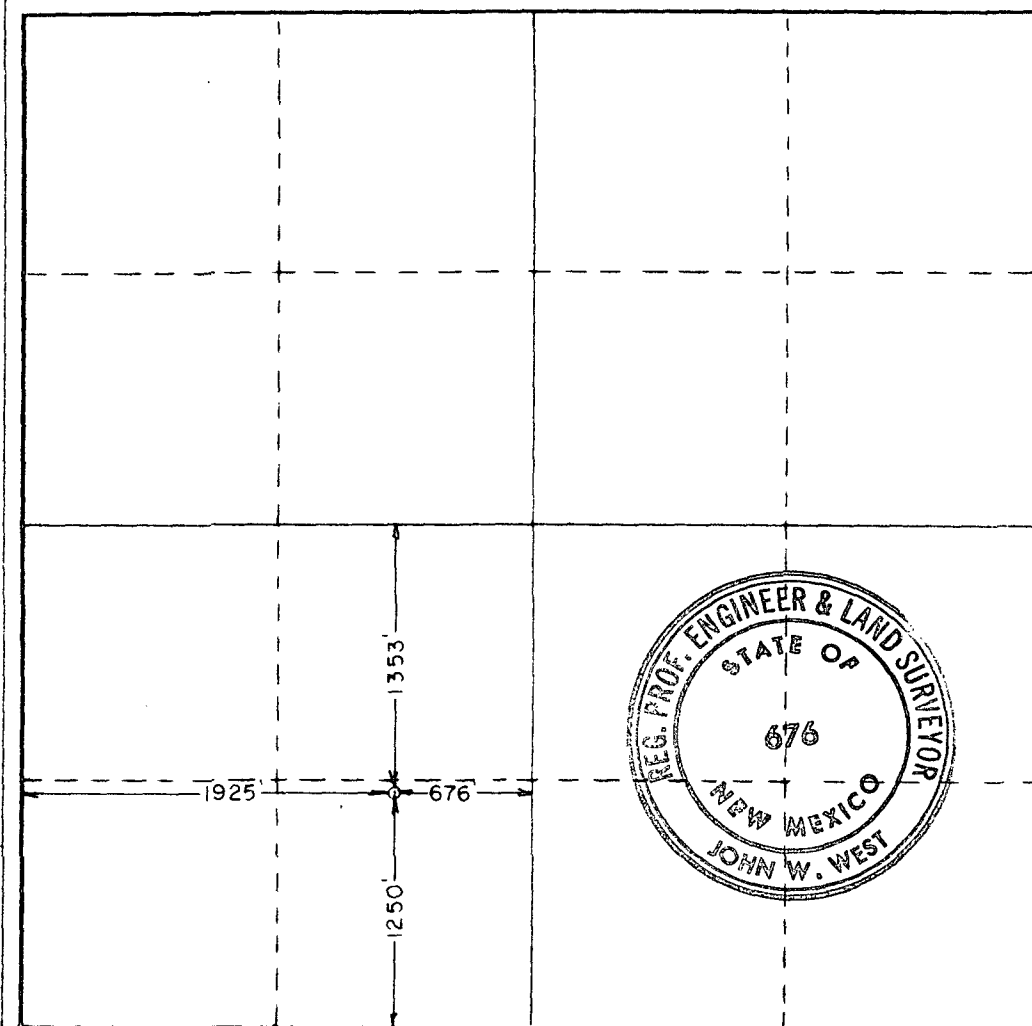
Operator Atlantic Richfield Co.		Lease Empire Abo Unit # H		Well No. 302	
Unit Letter N	Section 33	Township 17 South	Range 28 East	County Eddy	
Actual Footage Location of Well: 1250 feet from the South line and 1925 feet from the West line					
Ground Level Elev. 3670.9	Producing Formation		Pool	Dedicated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

Name
I. J. Natour

Position
Operations Engineer

Company
Atlantic Richfield Company

Date
March 22, 1978

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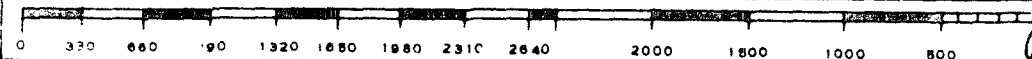
March 15, 1978

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
Supersedes C-128
Effective 1-1-65

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

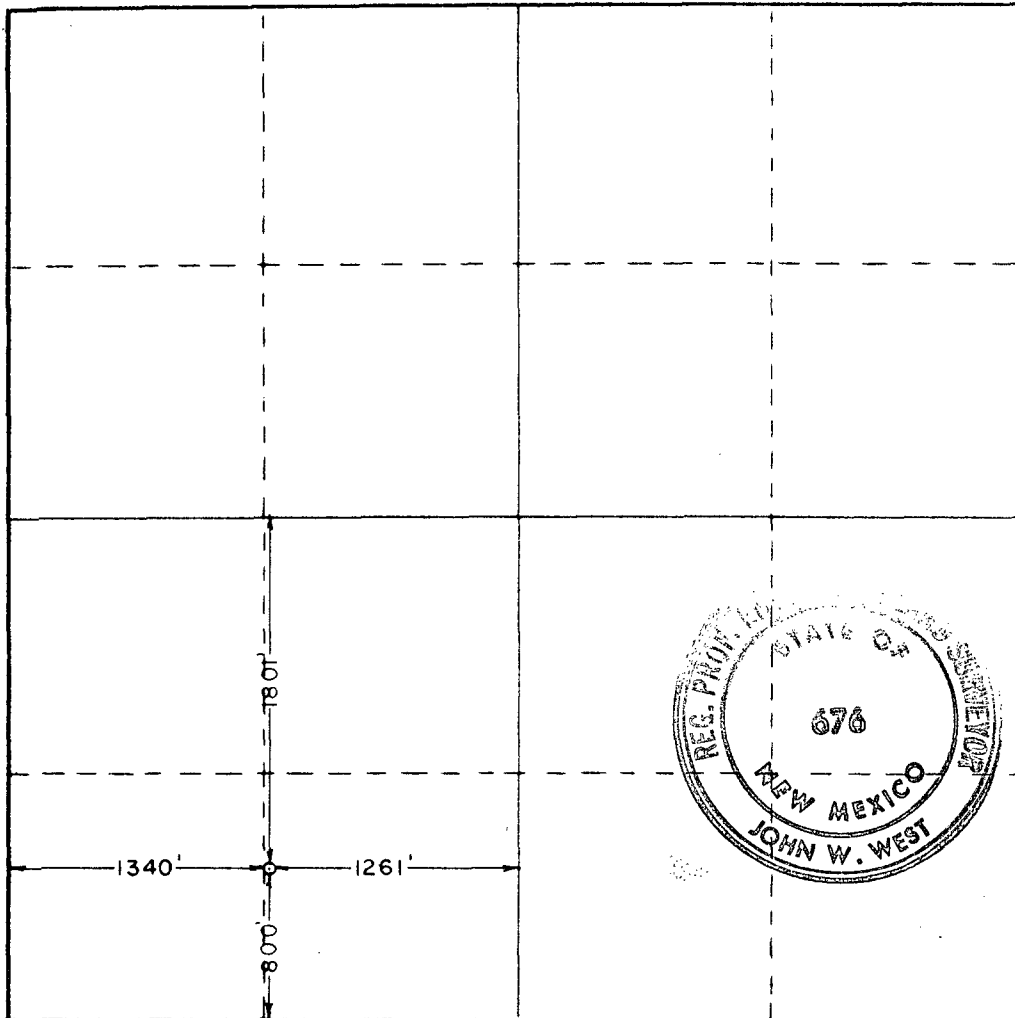
Operator Atlantic Richfield Co.		Lease Empire Abo Unit # H		Well No. 303	
Unit Letter N	Section 33	Township 17 South	Range 28 East	County CONSERVATION COM.	
Actual Footage Location of Well: 800 feet from the South line and 1340 feet from the West line					
Ground Level Elev. 3665.6	Producing Formation		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).
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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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

0 330 660 990 1320 1650 1980 2310 2640 2000 1800 1600 1400 1200 1000 800

**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.

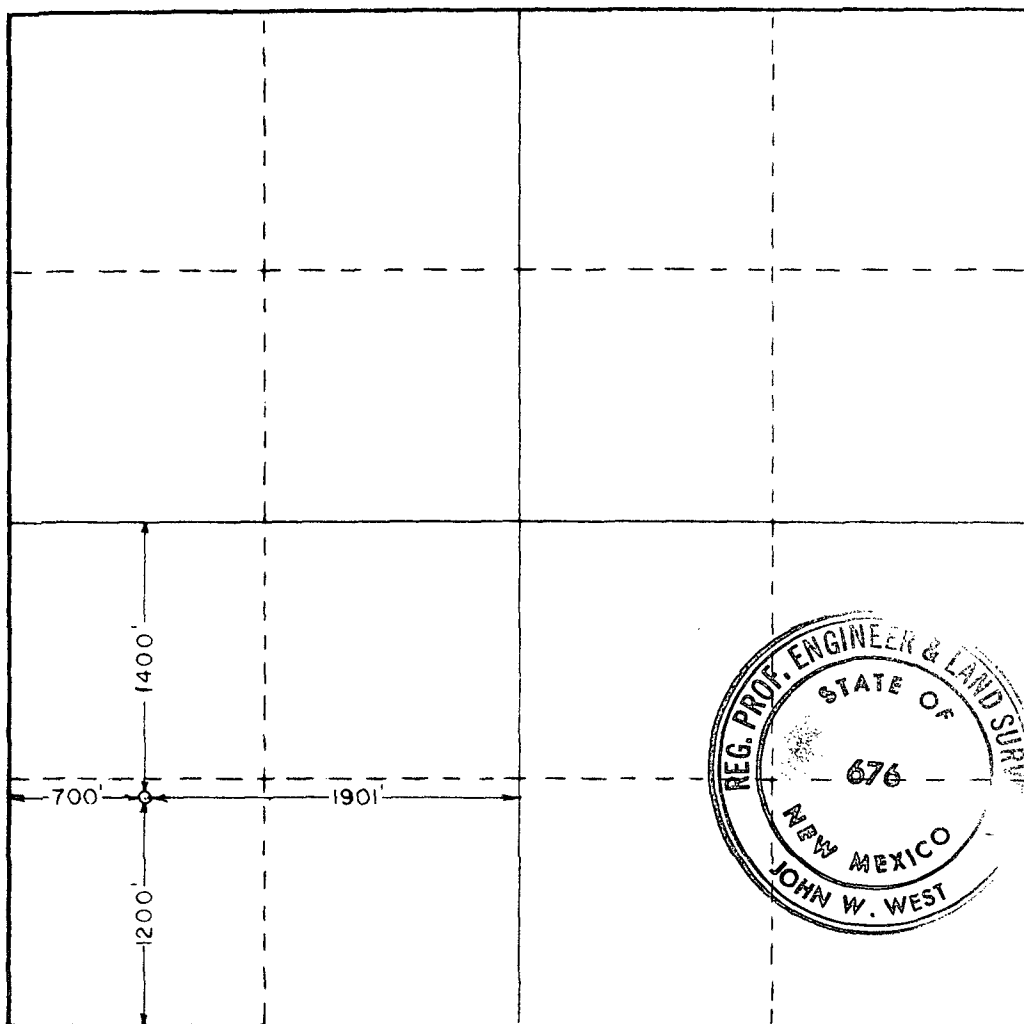
Operator Atlantic Richfield Co.			Lease Empire Abo Unit # H S		Well No. 294
Unit Letter M	Section 33	Township 17 South	Range 28 East	County Eddy	
Actual Footage Location of Well: 1200 feet from the South line and 700 feet from the West line					
Ground Level Elev. 3666.2	Producing Formation		Pool	Dedicated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

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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

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65
R 00 1978

All distances must be from the outer boundaries of the Section

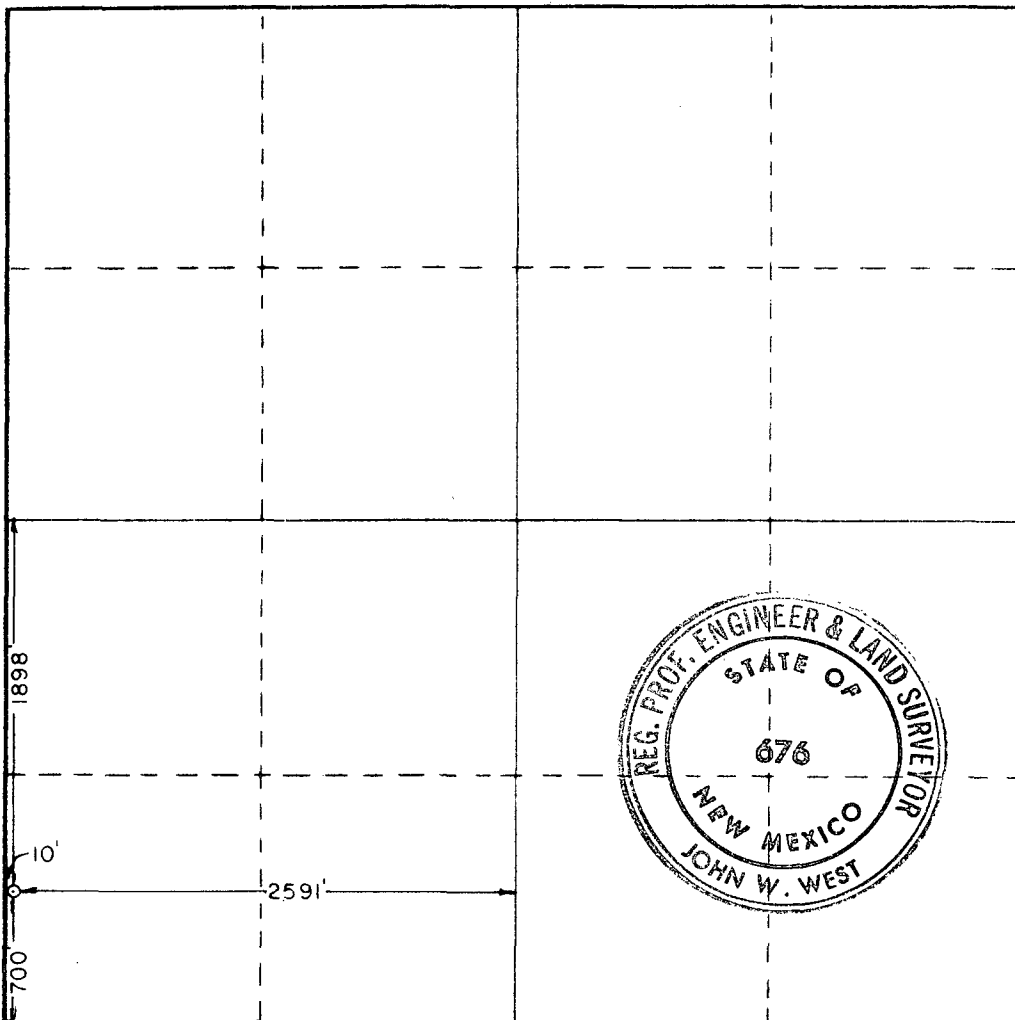
Operator Atlantic Richfield Co.			Lease Empire Abo Unit # H		Well No. 295
Unit Letter M	Section 33	Township 17 South	Range 28 East	County Eddy	
Actual Footage Location of Well: 700 feet from the South line and 10 feet from the West line					
Ground Level Elev. 3666.4	Producing Formation		Pool	Dedicated 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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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
Supersedes C-128
Effective 1-1-65

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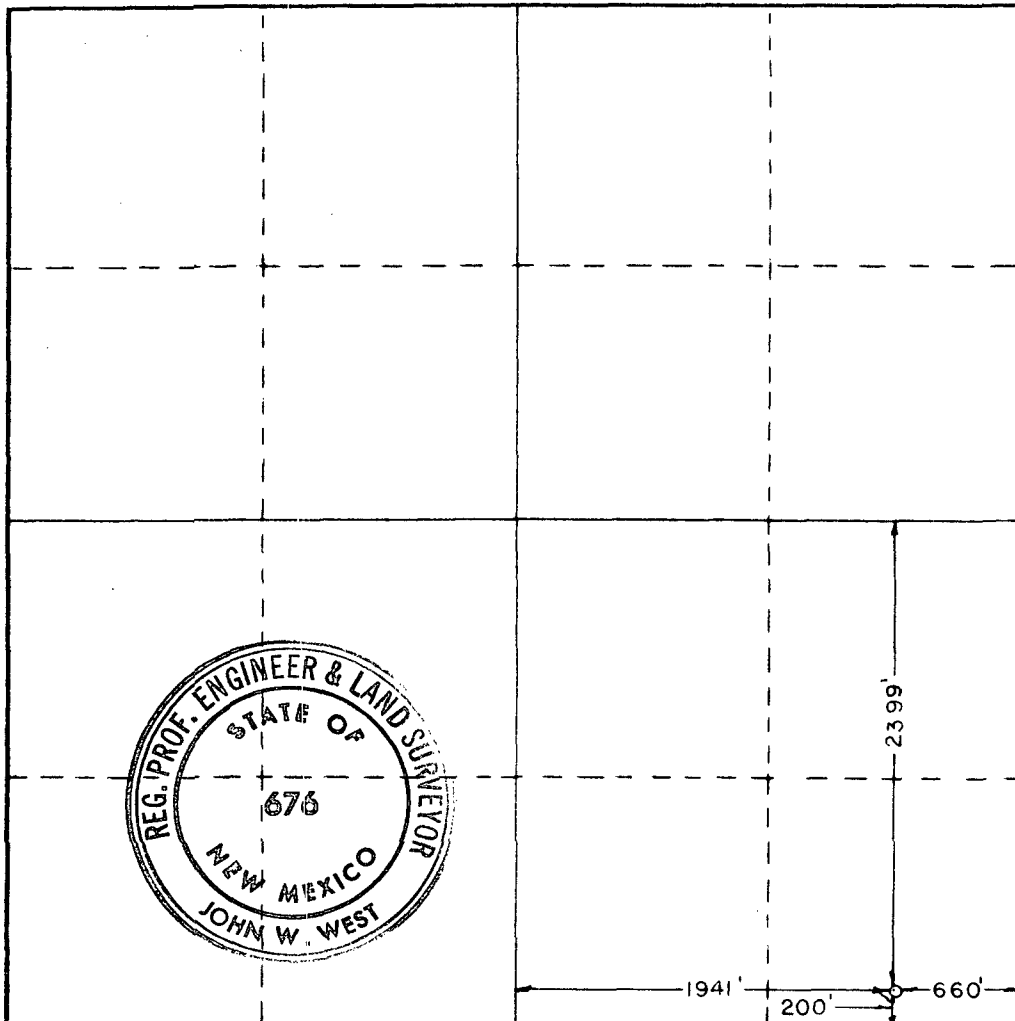
Operator Atlantic Richfield Co.			Lease Empire Abo Unit # H			Well No. 281		
Unit Letter P	Section 32	Township 17 South	Range 28 East	County Eddy				
Actual Footage Location of Well: 200 feet from the South line and 660 feet from the East line								
Ground Level Elev. 3663.4	Producing Formation		Pool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

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

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WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
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All distances must be from the outer boundaries of the Section

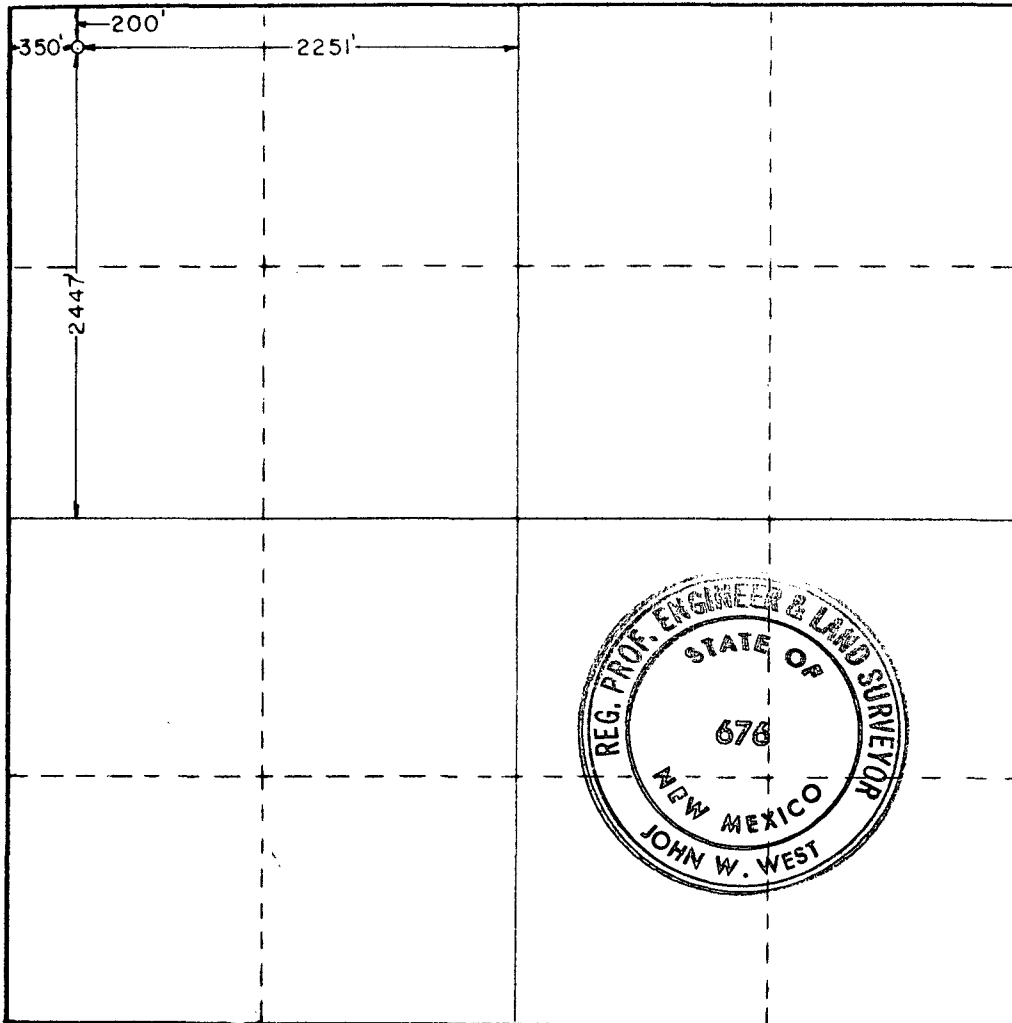
Operator Atlantic Richfield Co.			Lease Empire Abo Unit # 1			Well No. 291	
Unit Letter D	Section 4	Township 18 South	Range 28 East	County Eddy			
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between;"> 200 feet from the North line and 350 feet from the West line </div>							
Ground Level Elev. 3662.7	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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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

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
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

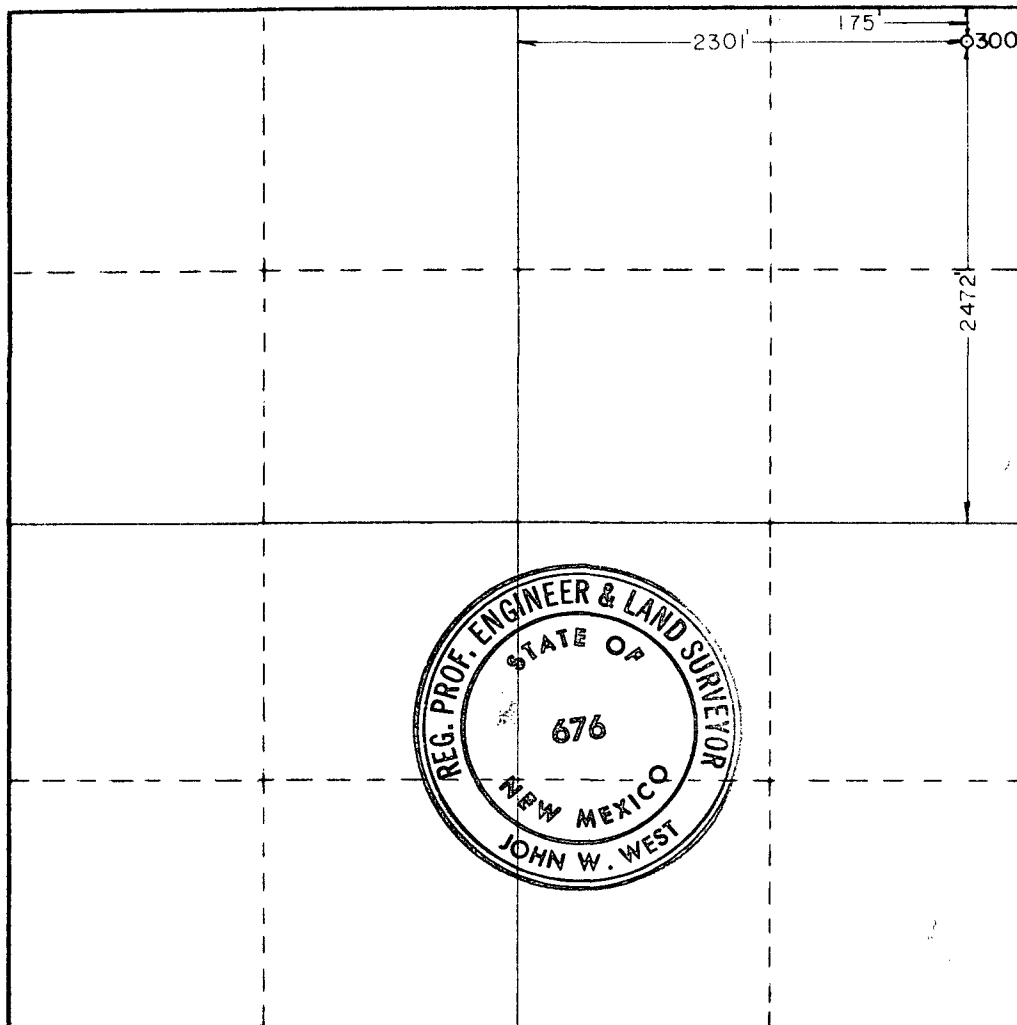
Operator Atlantic Richfield Co.			Lease Empire Abo Unit # 1		Well No. 283
Unit Letter A	Section 5	Township 18 South	Range 28 East	County Eddy	
Actual Footage Location of Well: 175 feet from the North line and 300 feet from the East line					
Ground Level Elev. 3661.0	Producing Formation		Pool	Dedicated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

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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

0 330 660 990 1320 1650 1980 2310 2640 2970 3300

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

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

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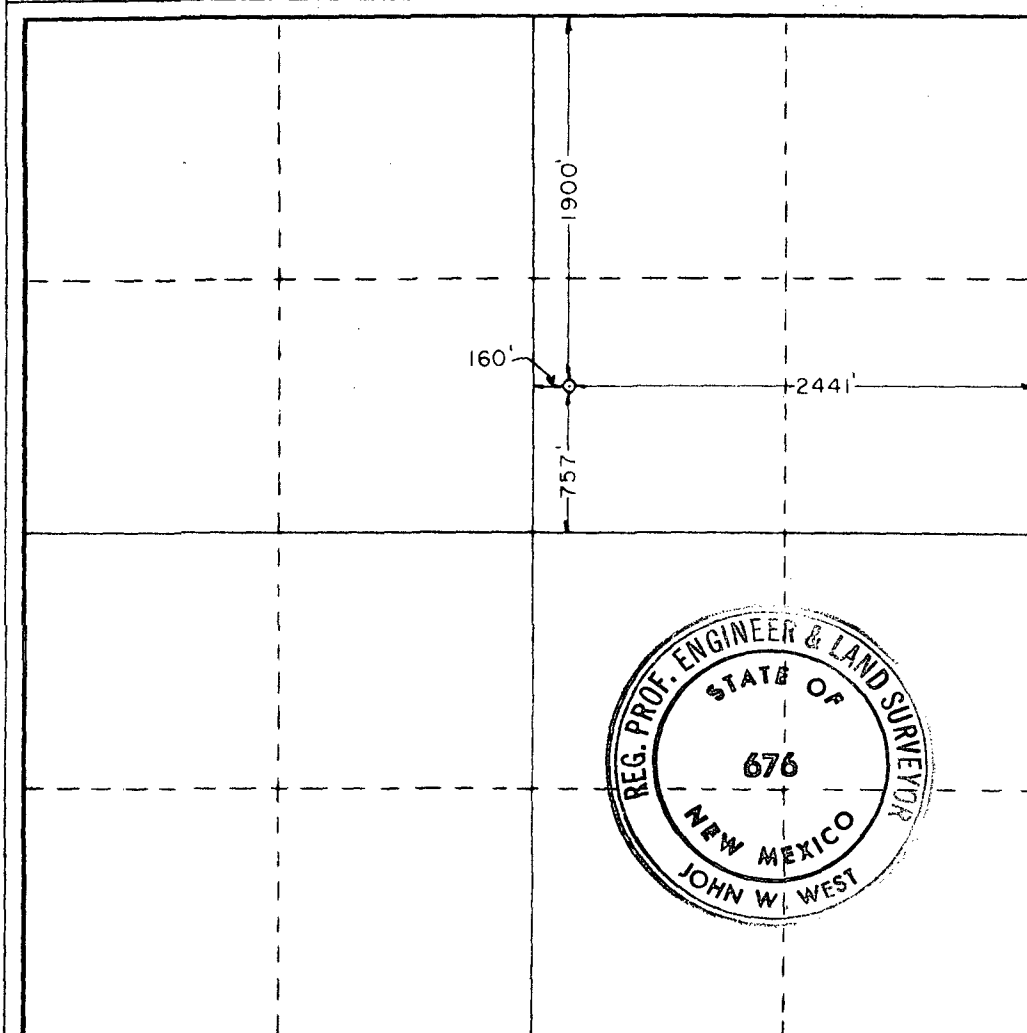
Operator Atlantic Richfield Co,			Lease Empire Abo Unit # Jc		Well No. 234
Unit Letter G	Section 6	Township 18 South	Range 28 East	County Eddy	
Actual Footage Location of Well: 1900 feet from the North line and 2441 feet from the East line					
Ground Level Elev. 3677.6	Producing Formation		Pool	Dedicated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

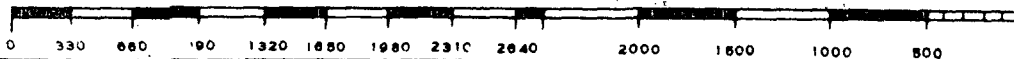
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

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

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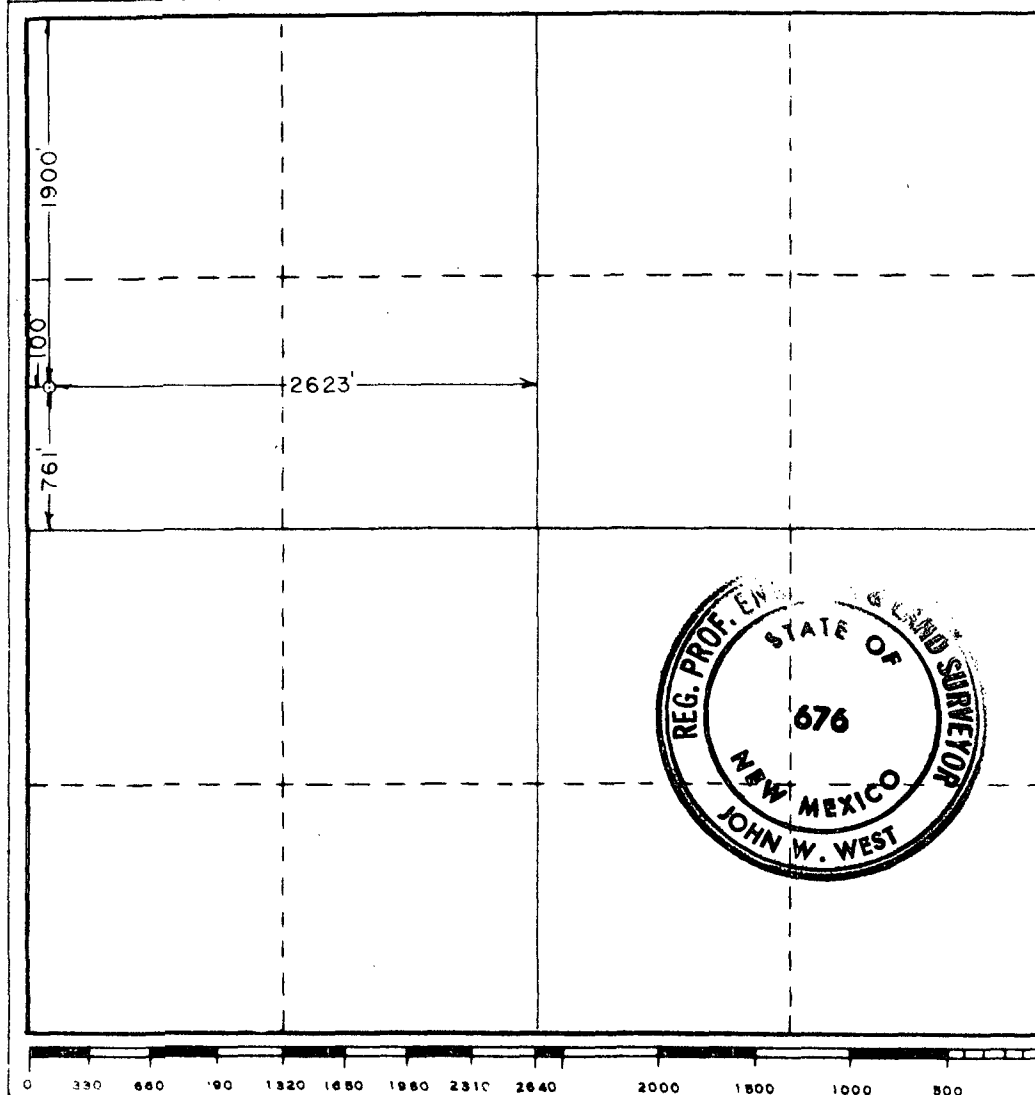
Operator Atlantic Richfield Co.			Lease Empire Abo Unit # J		Well No. 212
Unit Letter E	Section 6	Township 18 South	Range 28 East	County Eddy	
Actual Footage Location of Well: 1900 feet from the North line and 100 feet from the West line					
Ground Level Elev. 3649.7	Producing Formation		Pool		Dedicated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

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**

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

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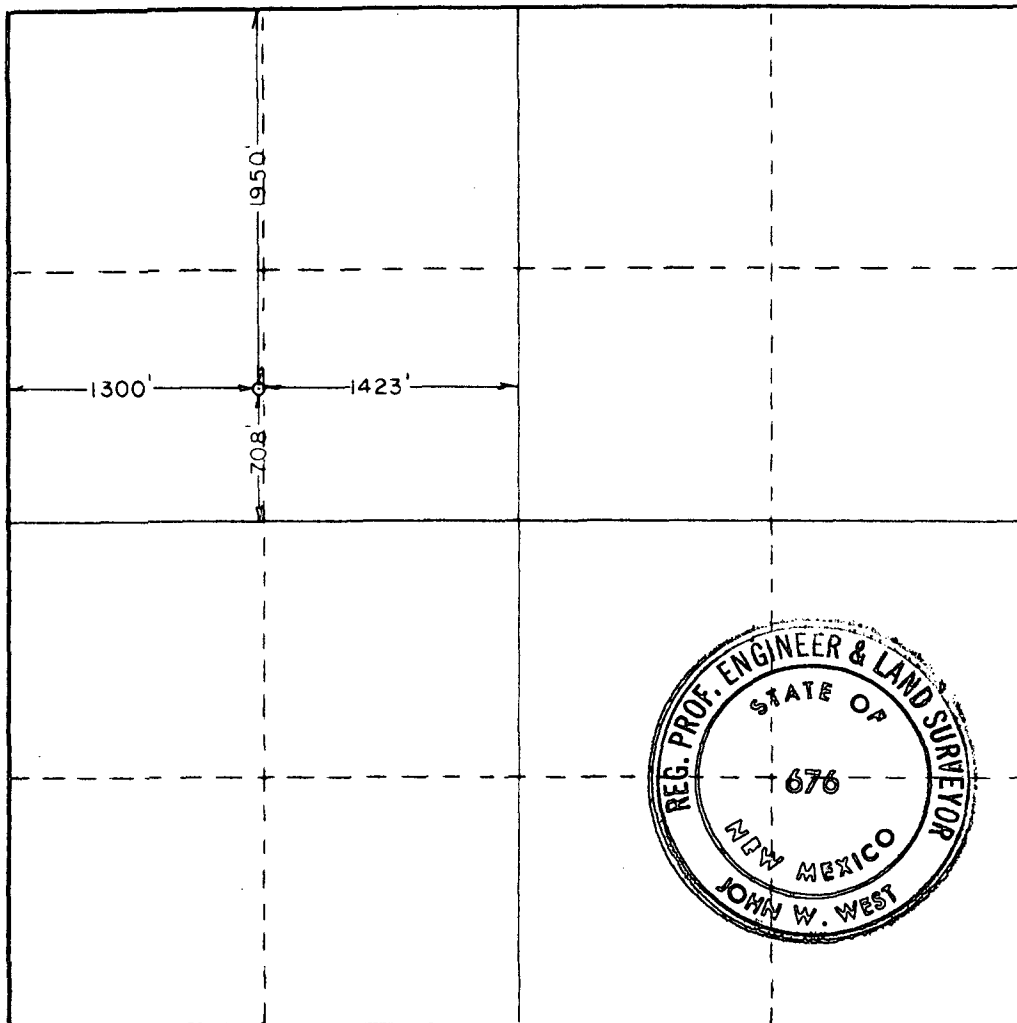
Operator Atlantic Richfield Co.			Lease Empire Abo Unit # J		Well No. 213
Unit Letter E	Section 6	Township 18 South	Range 28 East	County Eddy	
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between;"> 1950 feet from the North line and 1300 feet from the West line </div>					
Ground Level Elev. 3647.8	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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I. J. Natour
Name

I. J. Natour
Position

Operations Engineer
Company

Atlantic Richfield Company
Date

March 22, 1978

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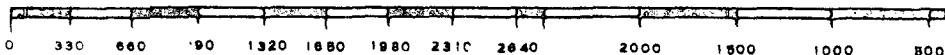
March 16, 1978

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

John W. West
Certificate No.

John W. West 676
Ronald J. Eidson 3239



NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
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Effective 1-1-65

All distances must be from the outer boundaries of the Section

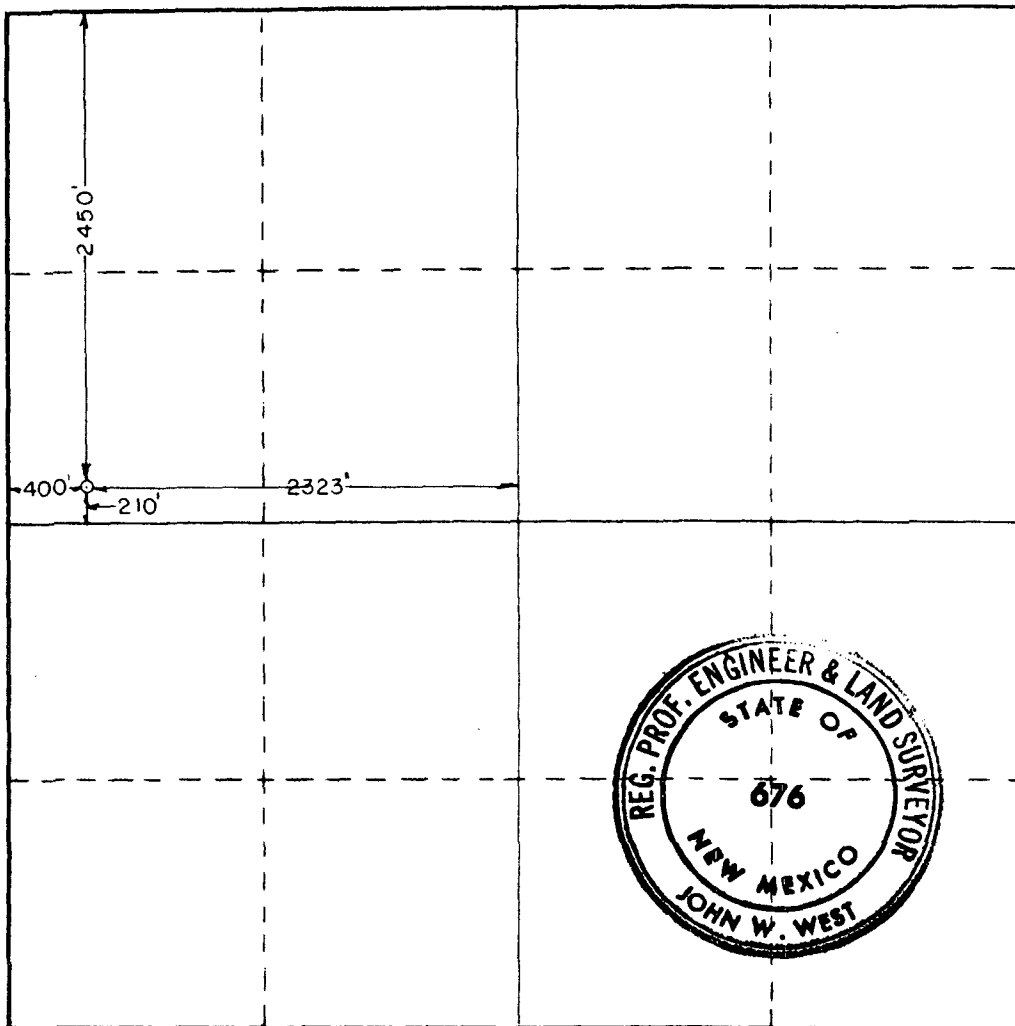
Operator Atlantic Richfield Co.		Lease Empire Abo Unit # J		Well No. 214
Unit Letter E	Section 6	Township 18 South	Range 28 East	County Eddy
Actual Footage Location of Well: 2450 feet from the North line and 400 feet from the West line				
Ground Level Elev. 3650.1	Producing Formation		Pool	Dedicated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

I. J. Natour

Position

Operations Engineer

Company

Atlantic Richfield Company

Date

March 22, 1978

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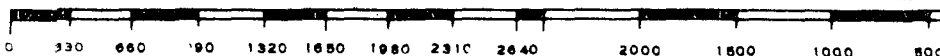
March 16, 1978

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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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200 1978

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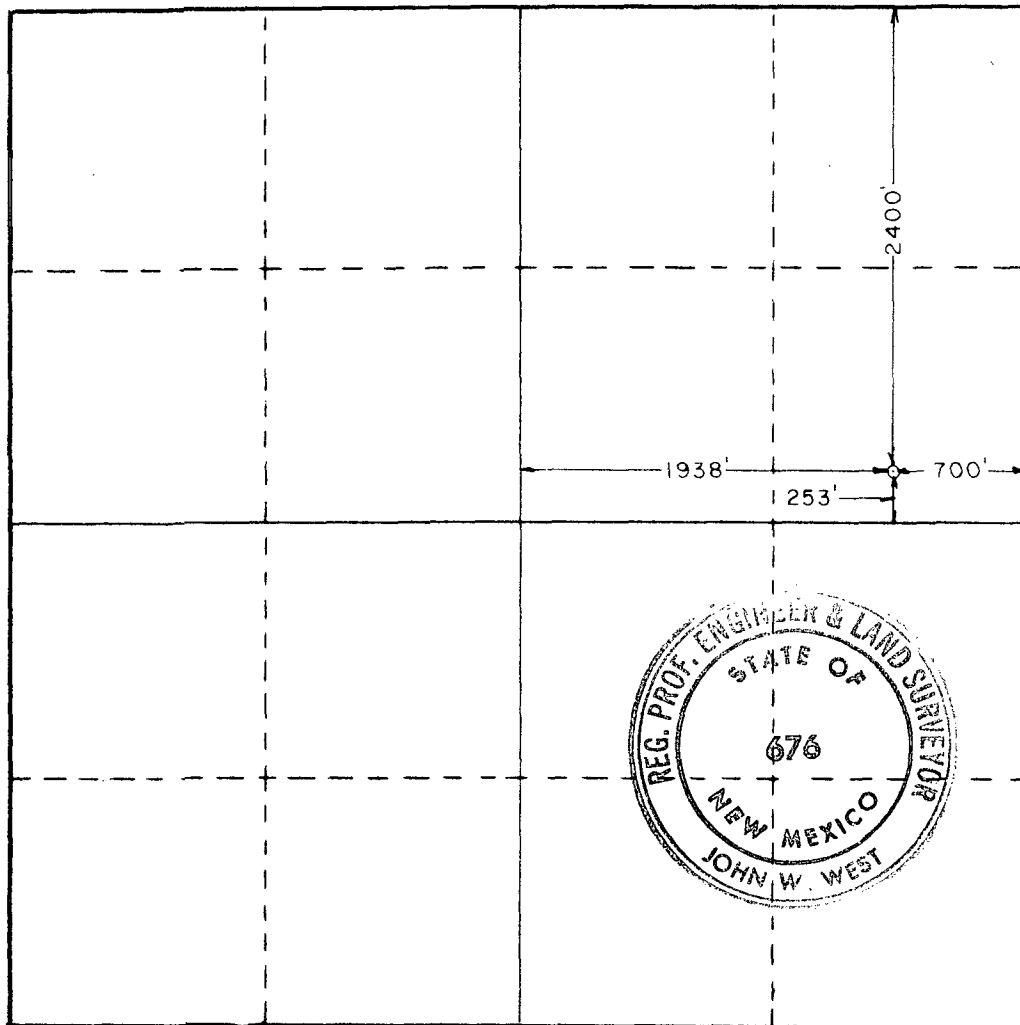
Operator Atlantic Richfield Co.			Lease Empire Abo Unit # 1		Well No. 203
Unit Letter H	Section 1	Township 18 South	Range 27 East	County Eddy	
Actual Footage Location of Well: 2400 feet from the North line and 700 feet from the East line					
Ground Level Elev. 3650.9	Producing Formation		Pool		Dedicated 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.

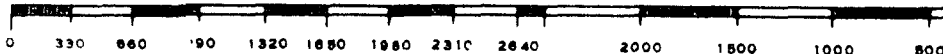
March 16, 1978

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

MAR 20 1978

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

All distances must be from the outer boundaries of the Section

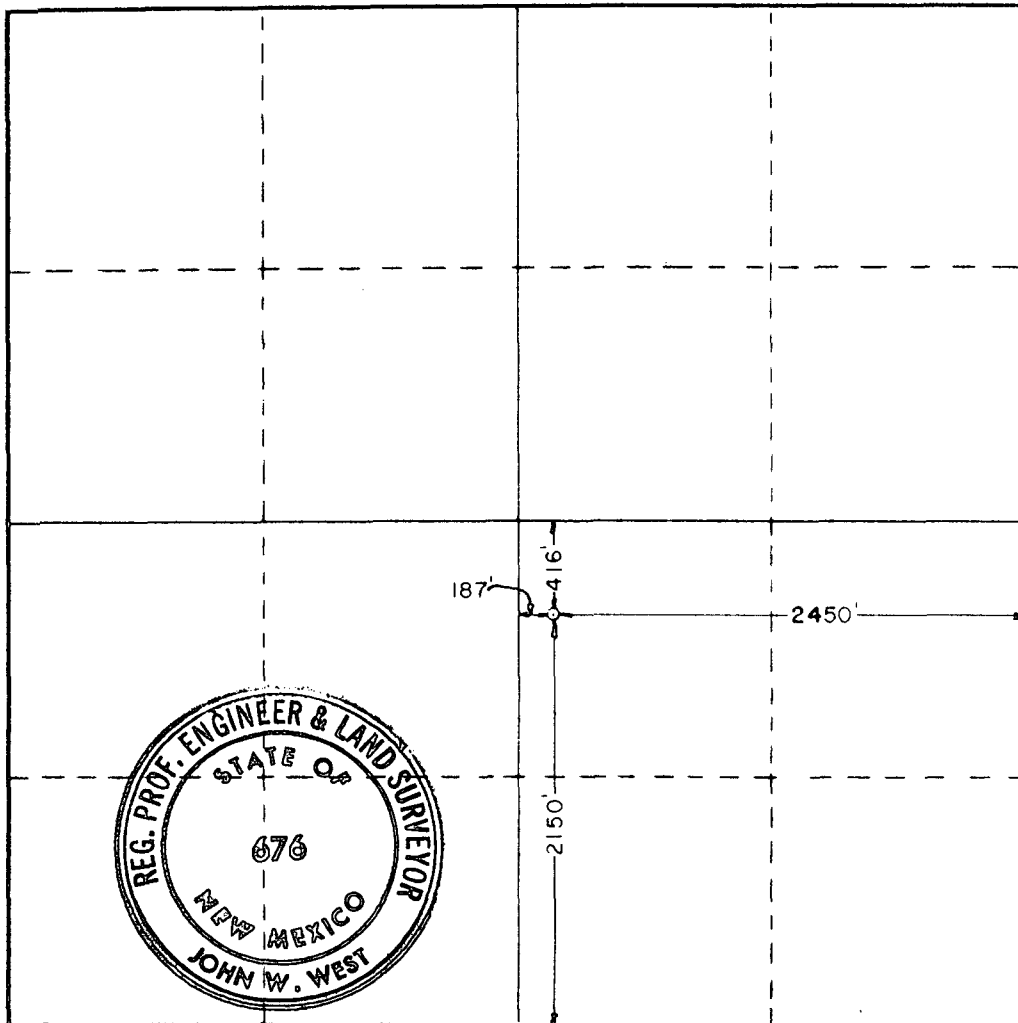
Operator Atlantic Richfield Co.			Lease Empire Abo Unit # K			Well No. 193		
Unit Letter J	Section 1	Township 18 South	Range 27 East	County Eddy				
Actual Footage Location of Well: 2150 feet from the South line and 2450 feet from the East line								
Ground Level Elev. 3635.4		Producing Formation	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

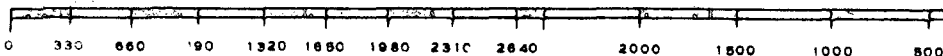
John W. West

Certificate No. **John W. West**

676

Ronald J. Eidson

3239



**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

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

REC 1978

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

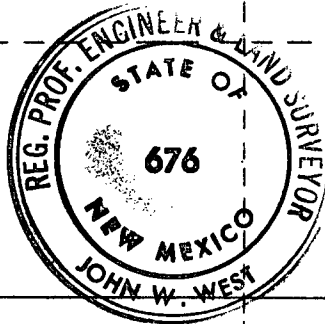
Operator Atlantic Richfield Co.			Lease Empire Abo Unit		Well No. K-194
Unit Letter J	Section 1	Township 18 South	Range 27 East	County Eddy	
Actual Footage Location of Well: 1500 feet from the South line and 2130 feet from the East line					
Ground Level Elev. 3618.3	Producing Formation		Pool	Dedicated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

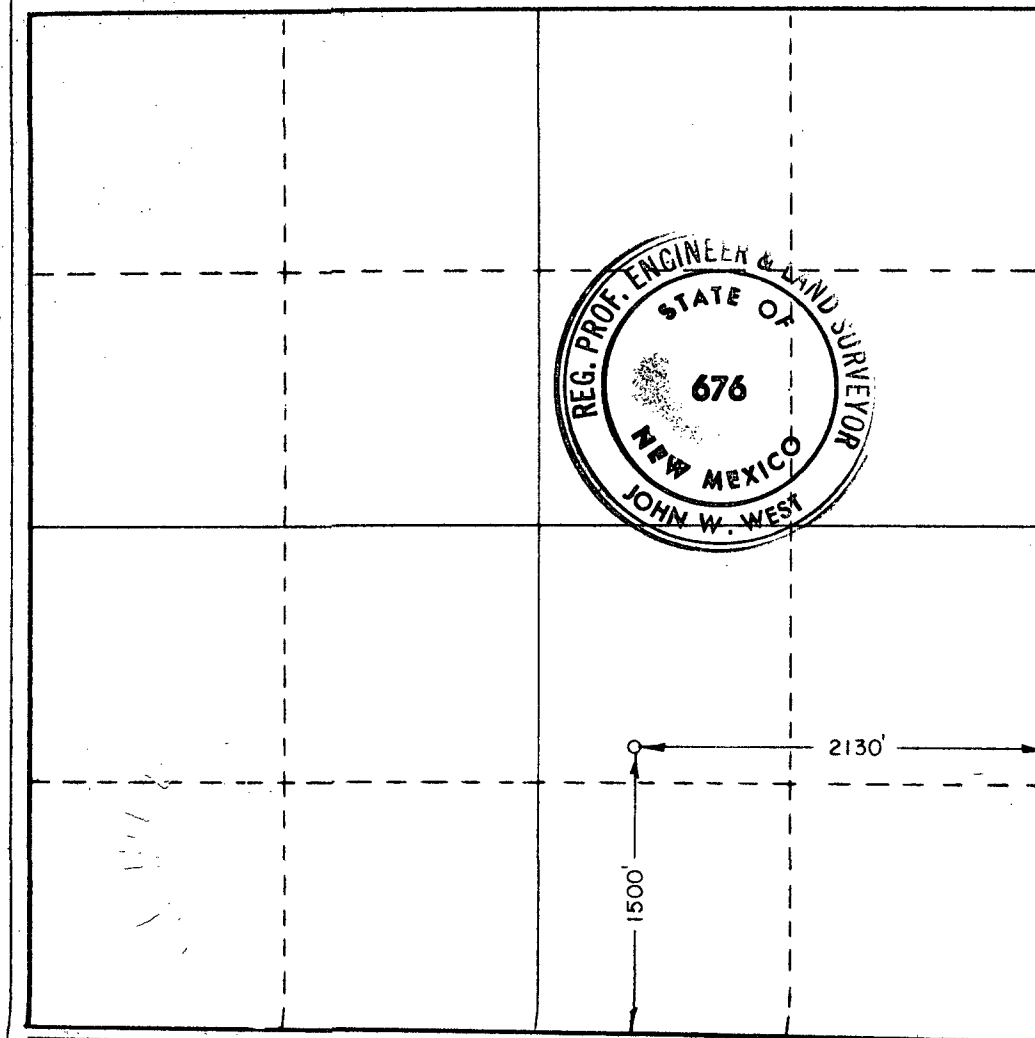
Date
March 31, 1978

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**



676

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

12 00 1978

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

All distances must be from the outer boundaries of the Section

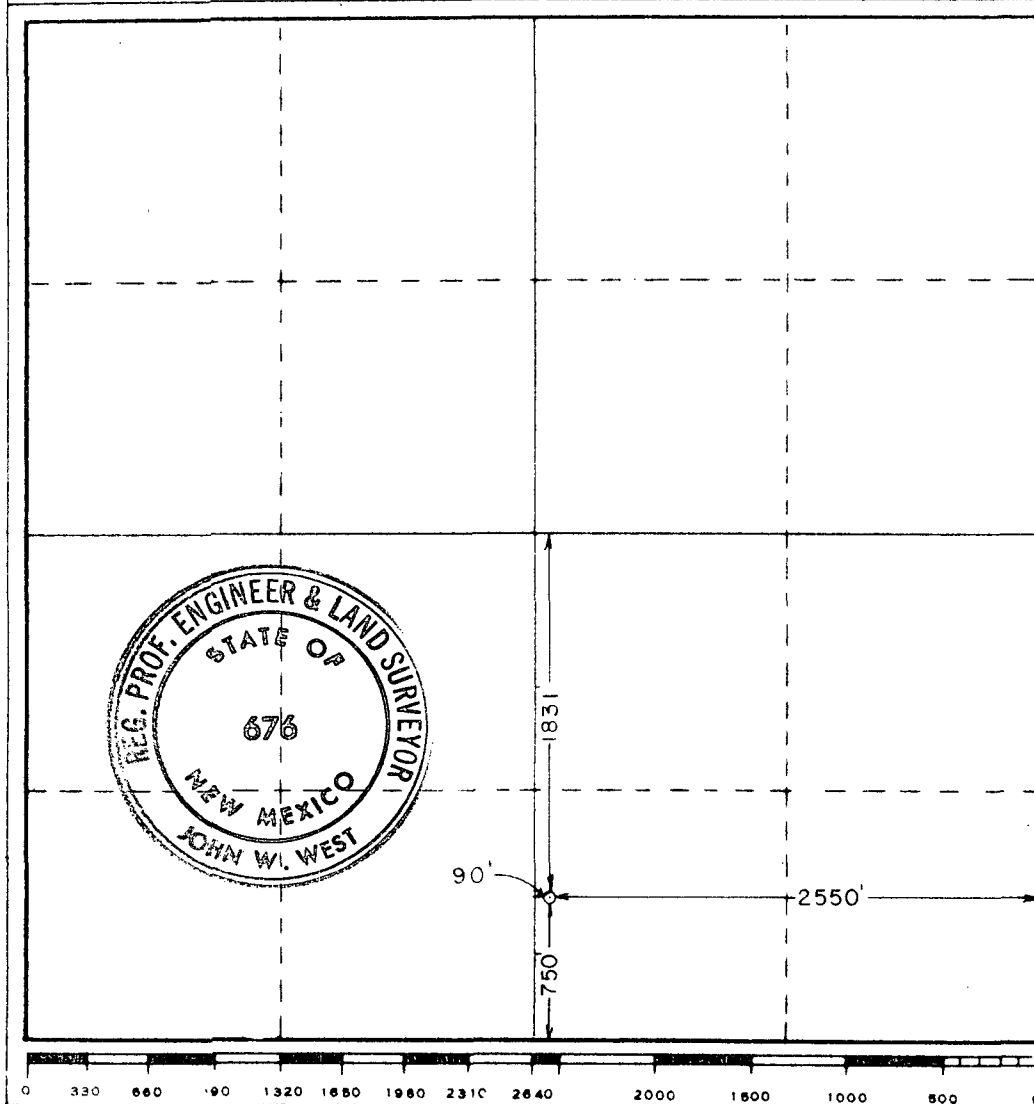
Operator Atlantic Richfield Co.			Lease Empire Abo Unit # L		Well Name 154
Unit Letter O	Section 2	Township 18 South	Range 27 East	County Eddy	
Actual Footage Location of Well: 750 feet from the South line and 2550 feet from the East line					
Ground Level Elev. 3553.4	Producing Formation		Pool		Dedicated 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
WELL LOCATION AND ACREAGE DEDICATION PLAT

APR 00 1978

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

All distances must be from the outer boundaries of the Section

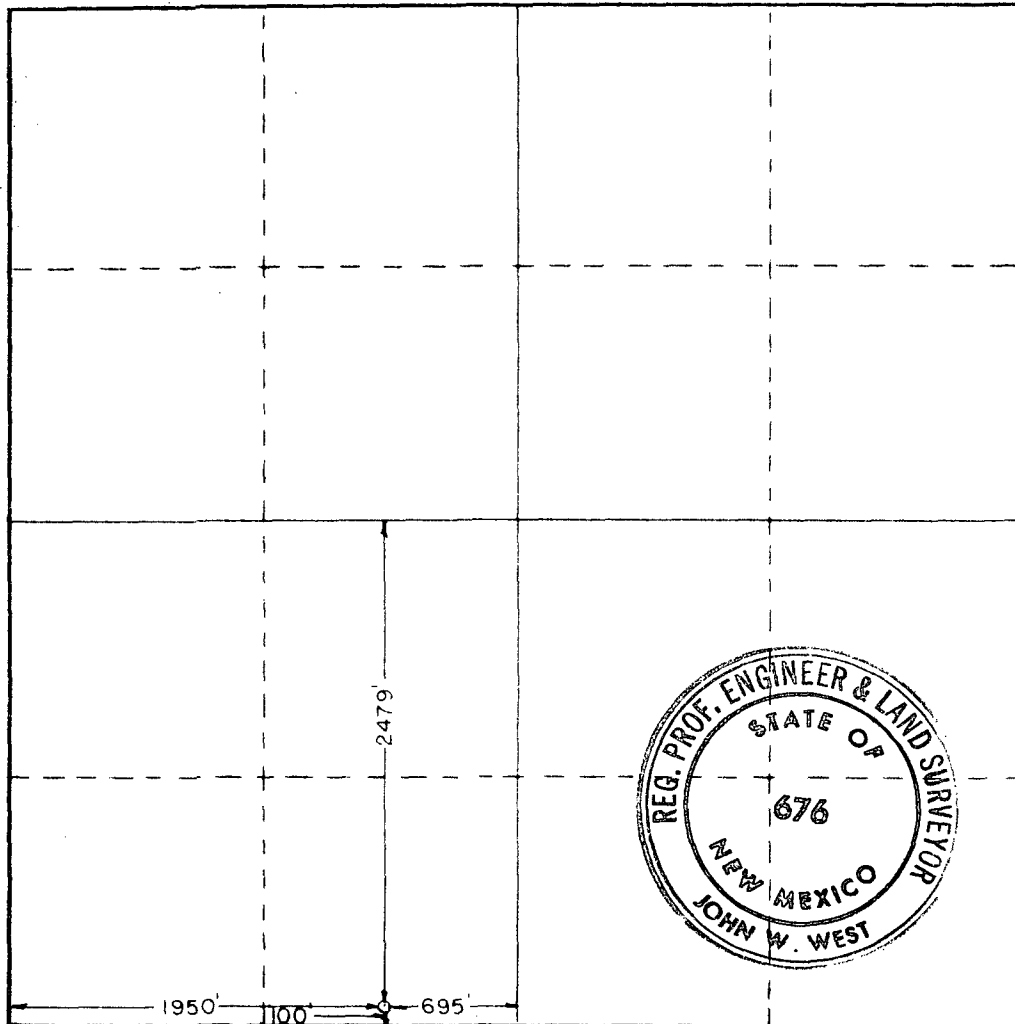
Operator Atlantic Richfield Co.			Lease Empire Abo Unit # L			Well No. 142		
Unit Letter N	Section 2	Township 18 South	Range 27 East	County Eddy				
Actual Footage Location of Well: 100 feet from the South line and 1950 feet from the West line								
Ground Level Elev. 3555.6	Producing Formation		Pool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

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

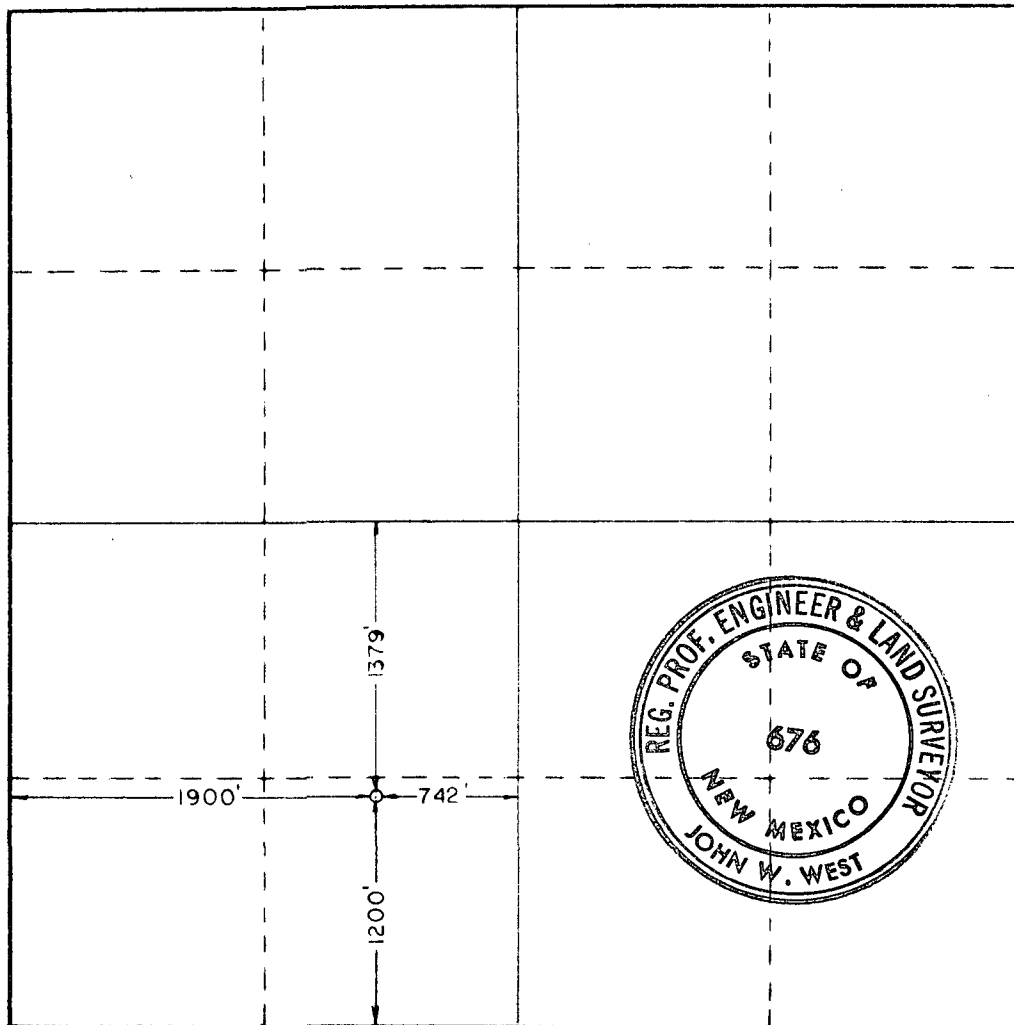
Operator Atlantic Richfield Co.			Lease Empire Abo Unit # L			Well No. 143		
Unit Letter N	Section 2	Township 18 South	Range 27 East	County Eddy				
Actual Footage Location of Well: 1200 feet from the South line and 1900 feet from the West line								
Ground Level Elev. 3528.0	Producing Formation		Pool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

Position
Operations Engineer

Company
Atlantic Richfield Company

Date
March 22, 1978

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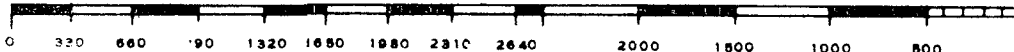
March 16, 1978

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

John W. West

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



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.

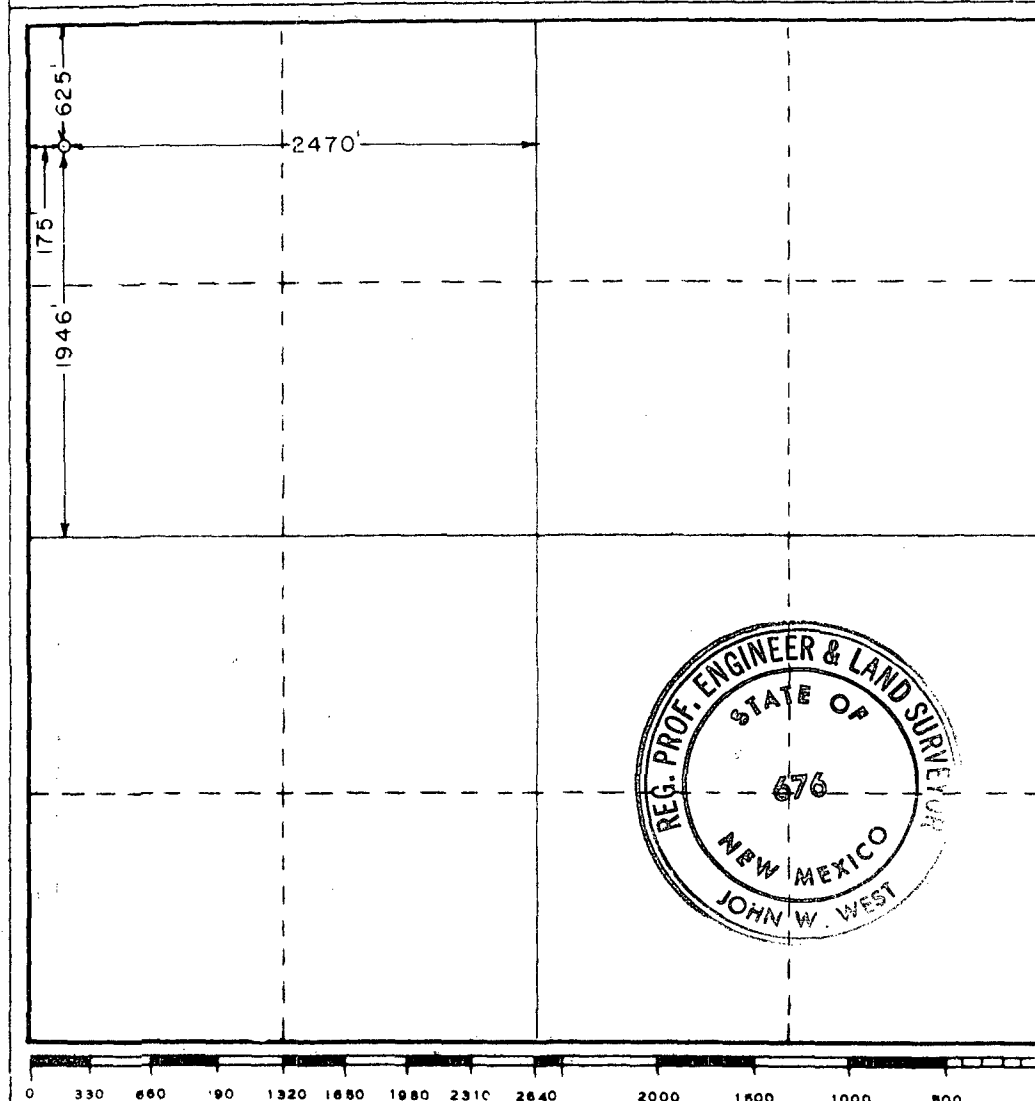
Operator Atlantic Richfield Co.			Lease Empire Abo Unit # M		Well No. 132
Unit Letter D	Section 11	Township 18 South	Range 27 East	County Eddy	
Actual Footage Location of Well: 625 feet from the North line and 175 feet from the West line					
Ground Level Elev. 3540.6	Producing Formation		Pool	Dedicated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

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March 16, 1978

Date Surveyed

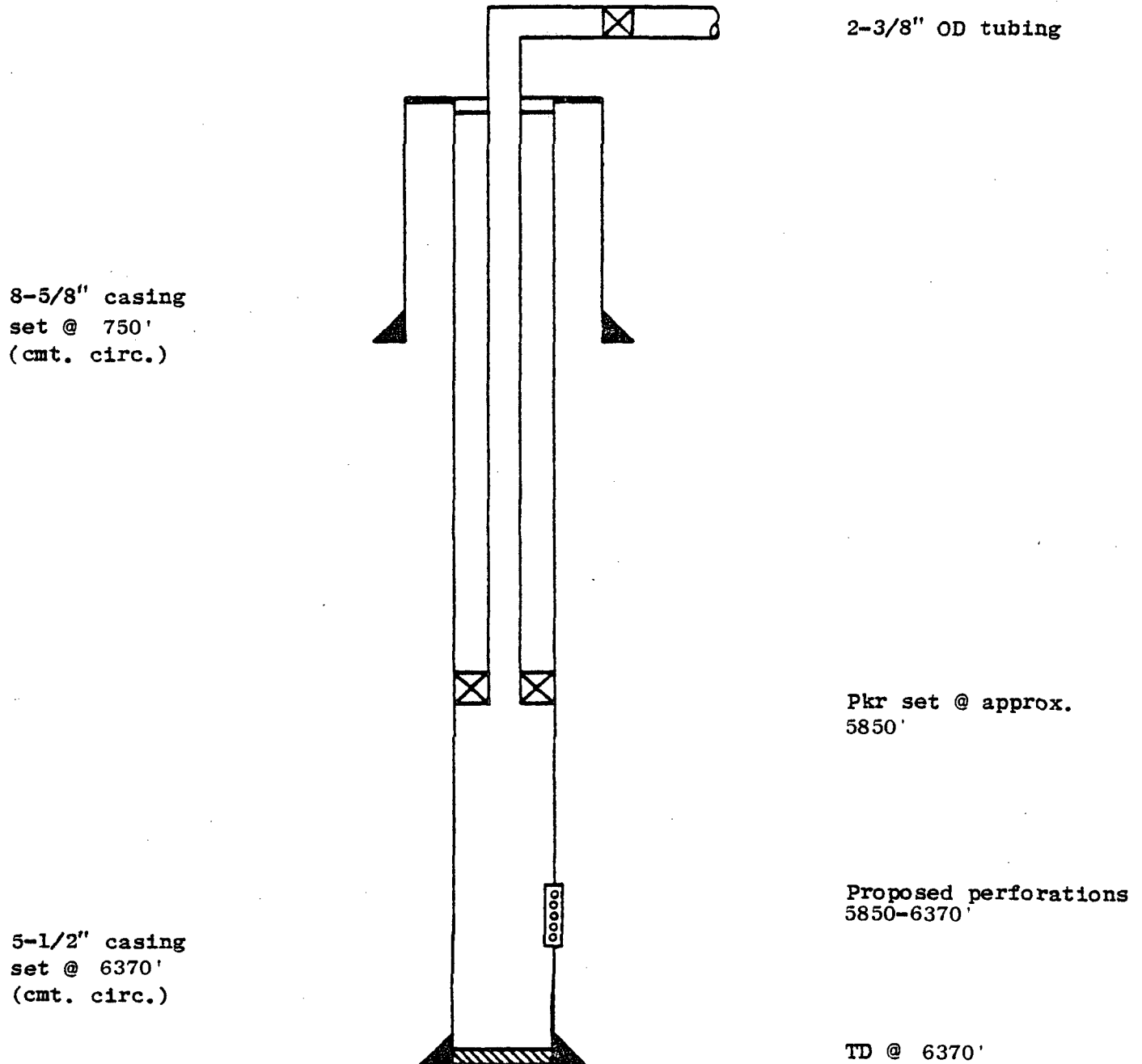
Registered Professional Engineer and/or Land Surveyor

John W. West

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

ATLANTIC RICHFIELD COMPANY

Eddy County, New Mexico



PROPOSED PRODUCING WELL DIAGRAM

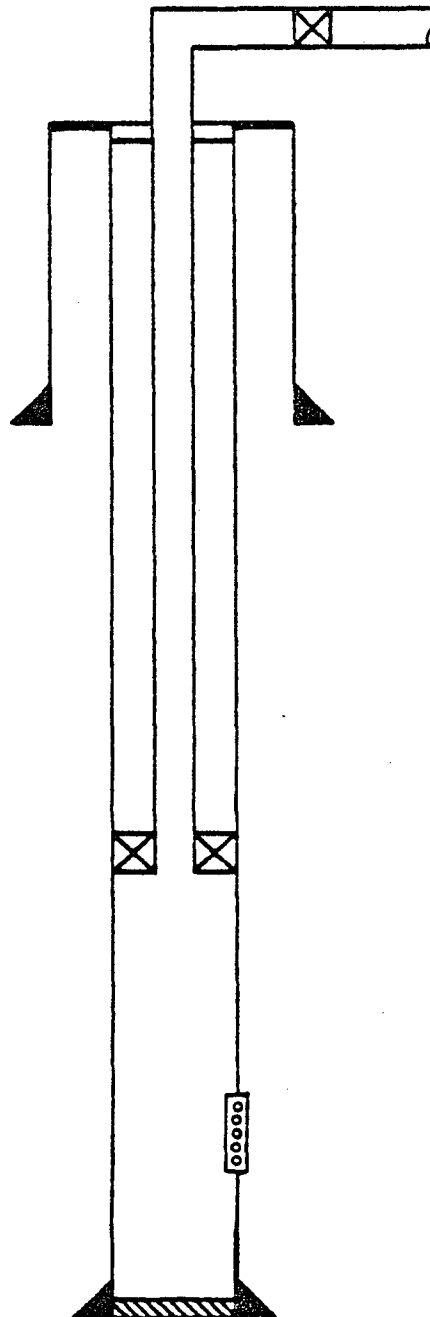
ATLANTIC RICHFIELD COMPANY

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

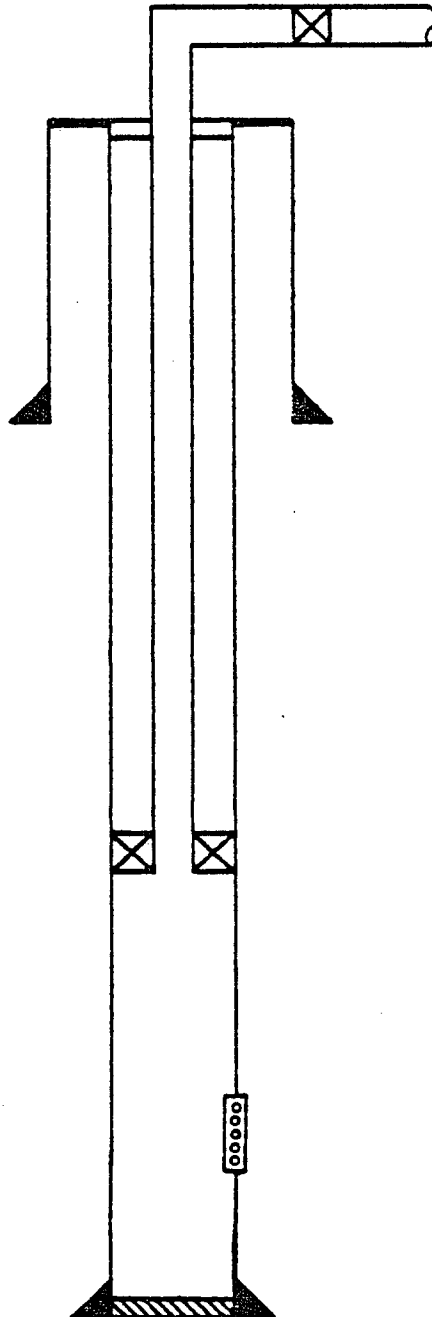
ATLANTIC RICHFIELD COMPANY

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

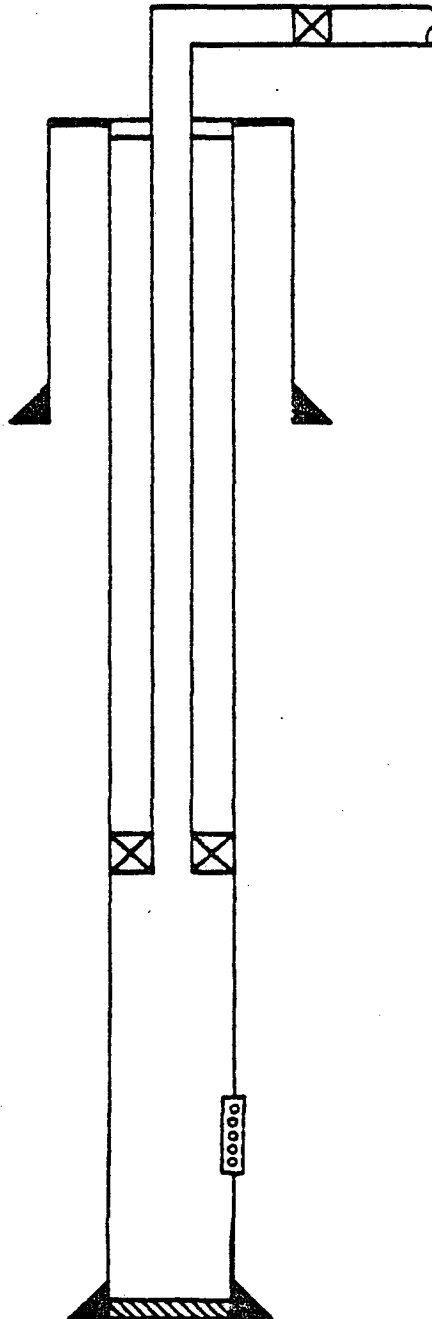
Empire Abo Unit Well F-322

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

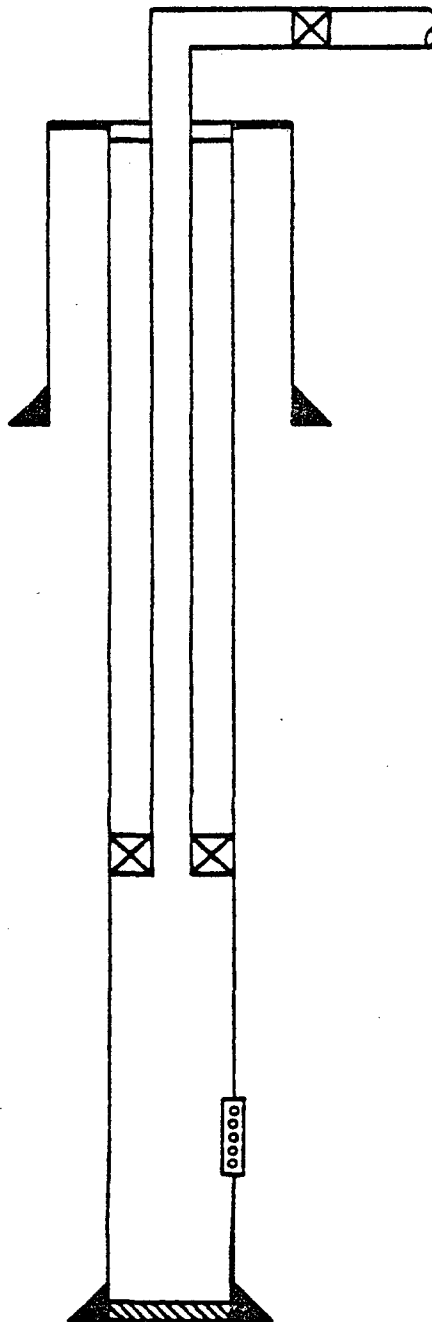
ATLANTIC RICHFIELD COMPANY

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

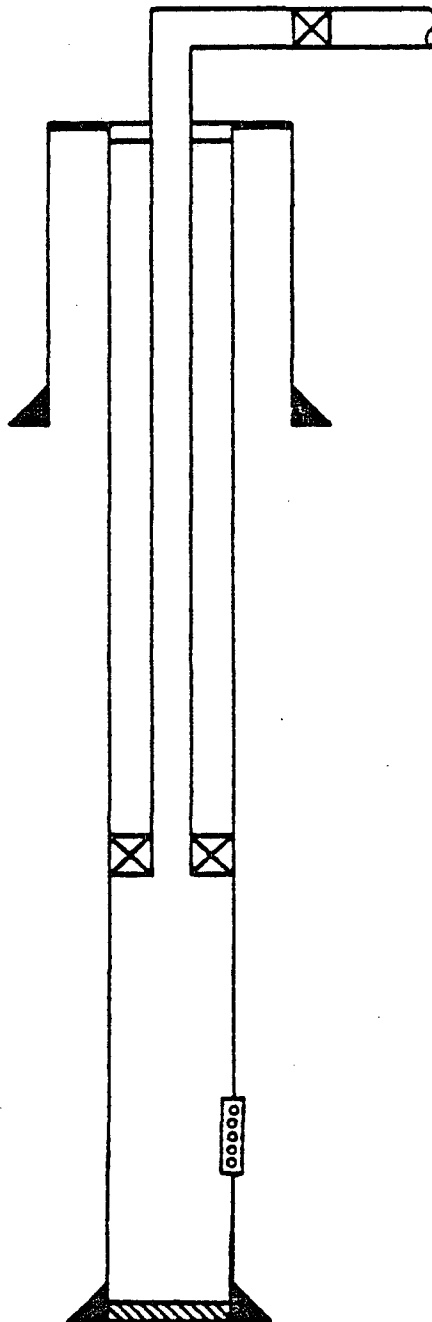
ATLANTIC RICHFIELD COMPANY

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

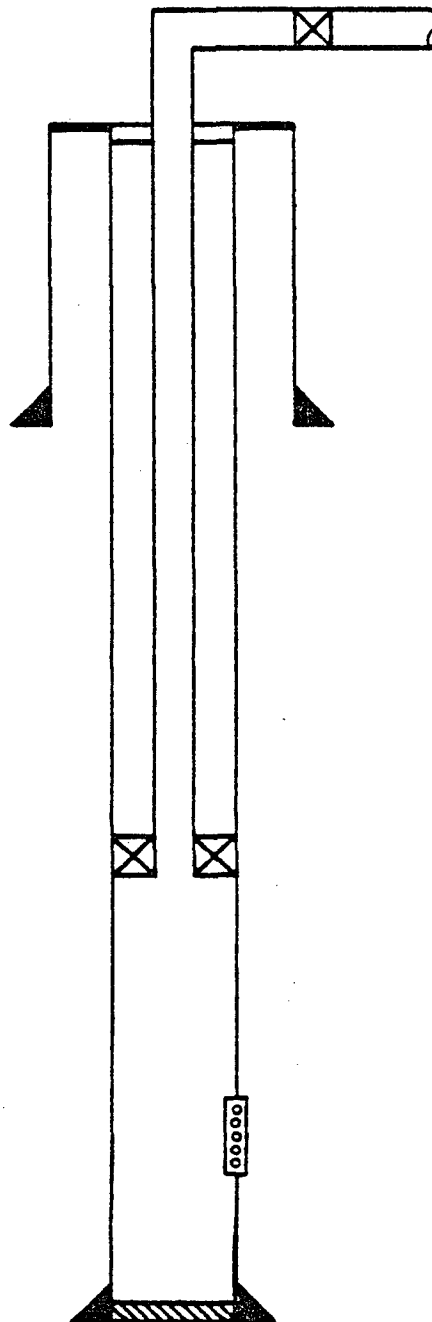
ATLANTIC RICHFIELD COMPANY

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

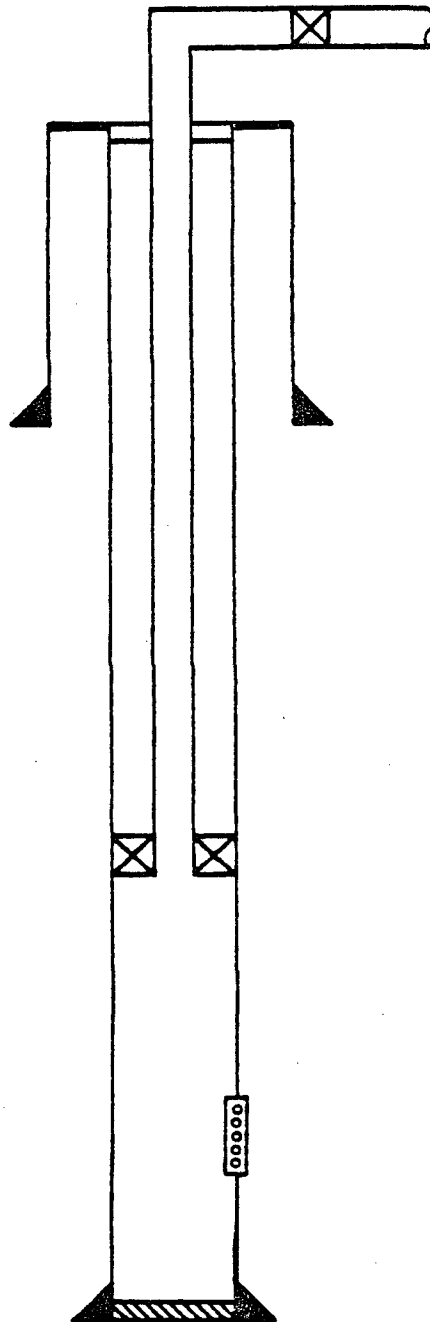
ATLANTIC RICHFIELD COMPANY

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

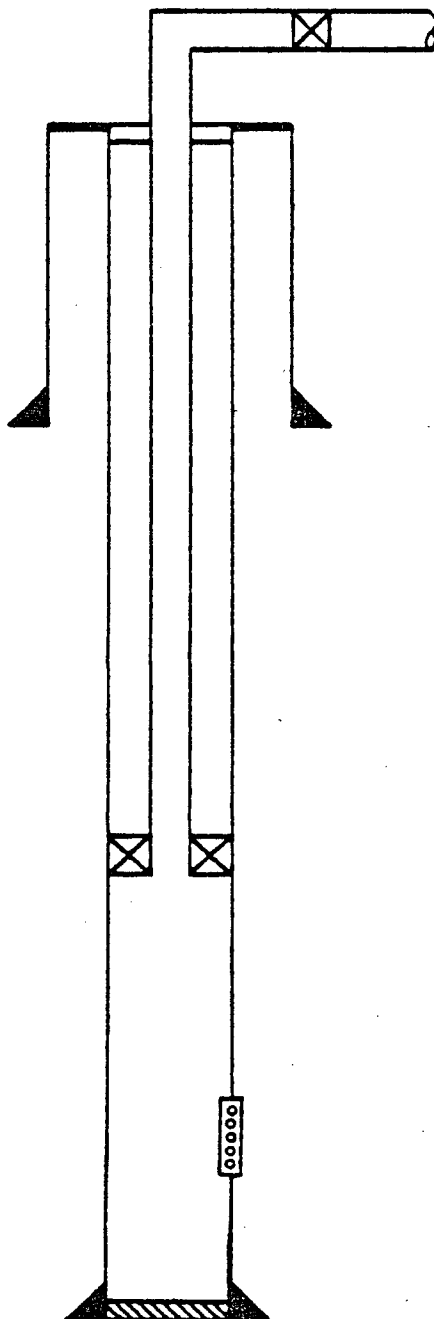
ATLANTIC RICHFIELD COMPANY

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

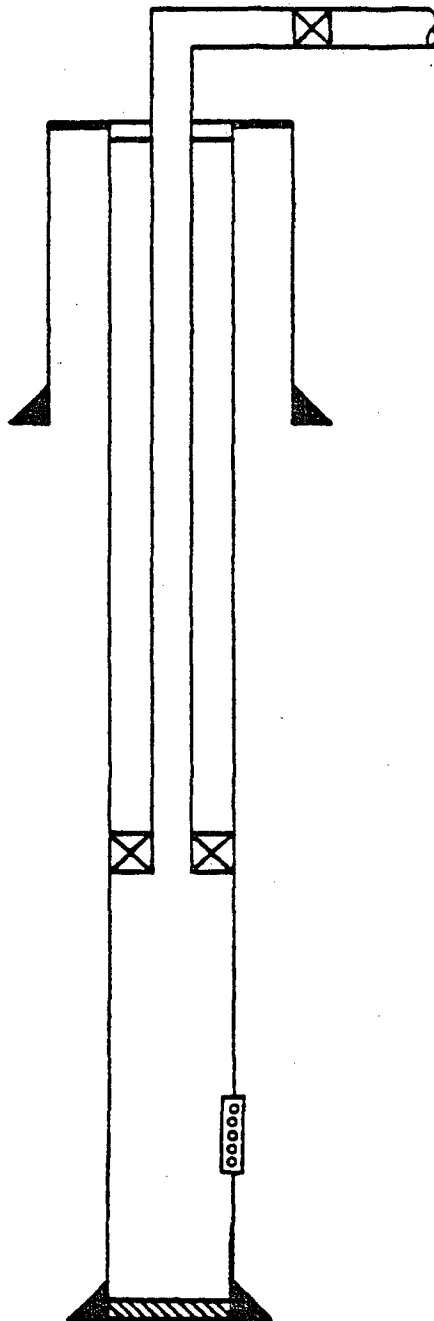
ATLANTIC RICHFIELD COMPANY

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

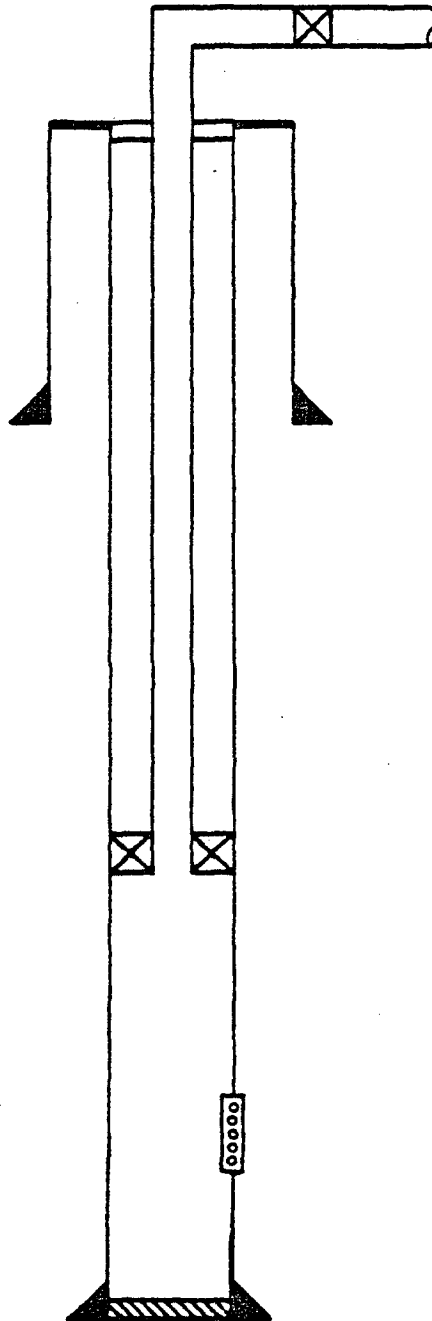
ATLANTIC RICHFIELD COMPANY

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

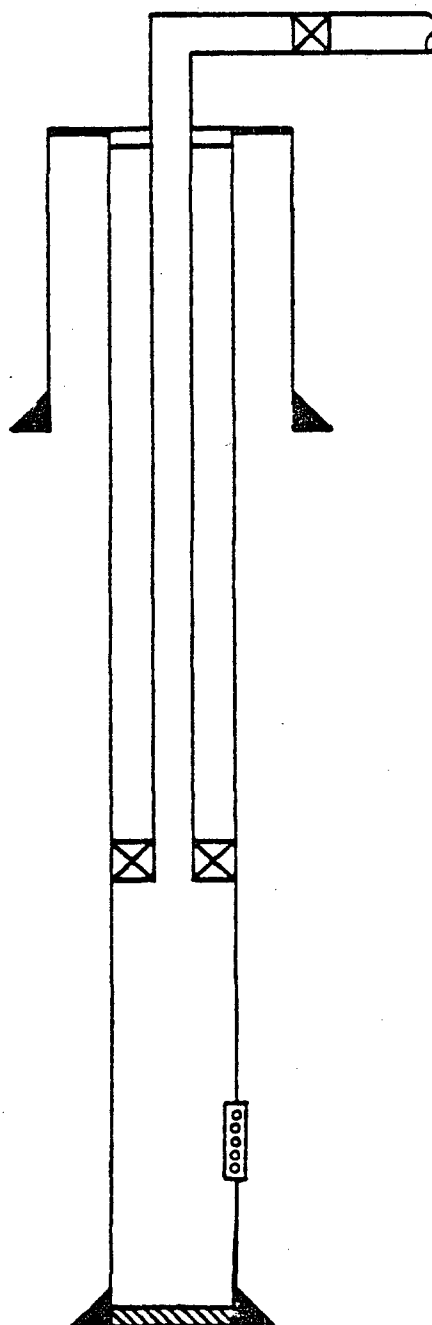
ATLANTIC RICHFIELD COMPANY

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

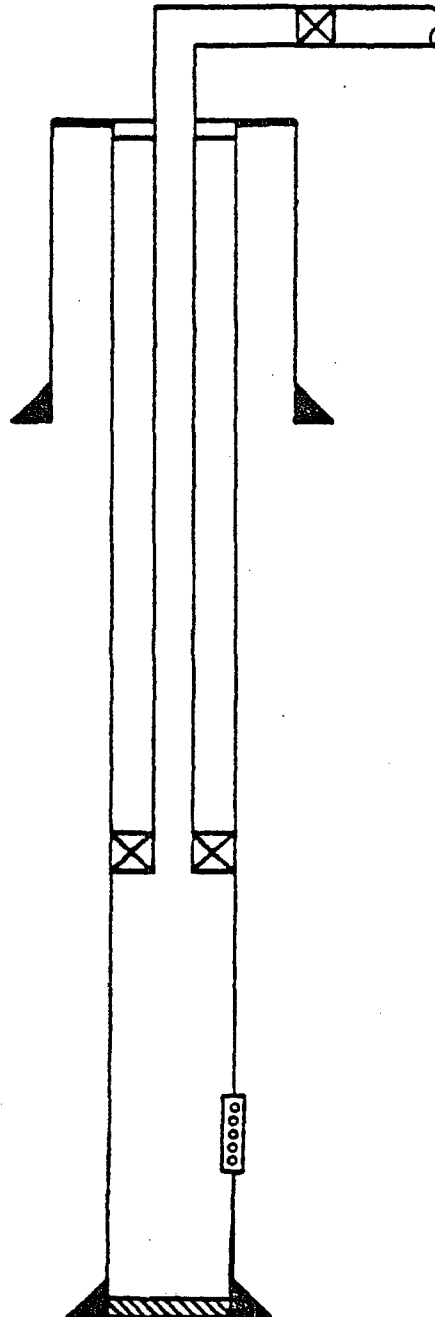
ATLANTIC RICHFIELD COMPANY

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

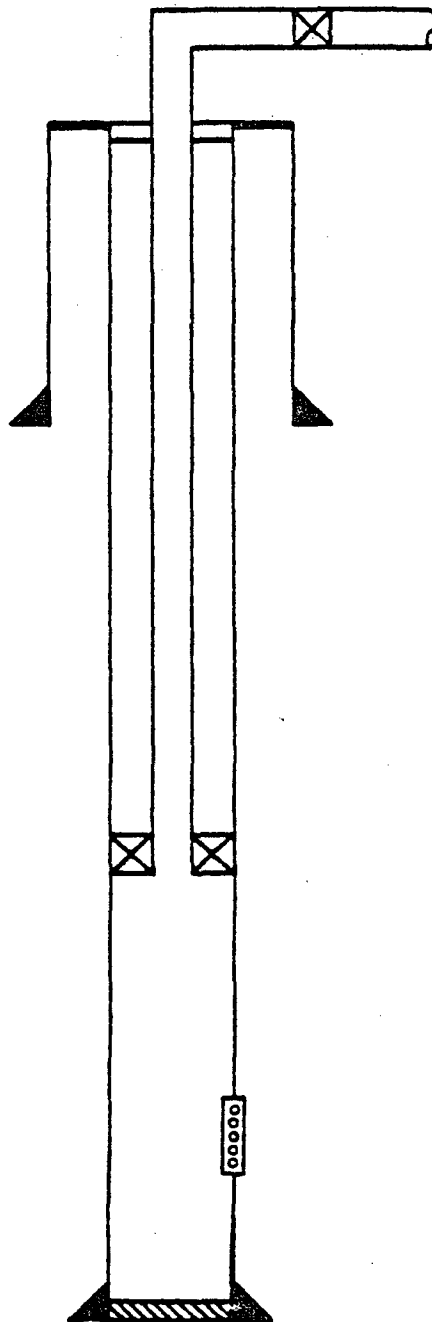
ATLANTIC RICHFIELD COMPANY

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

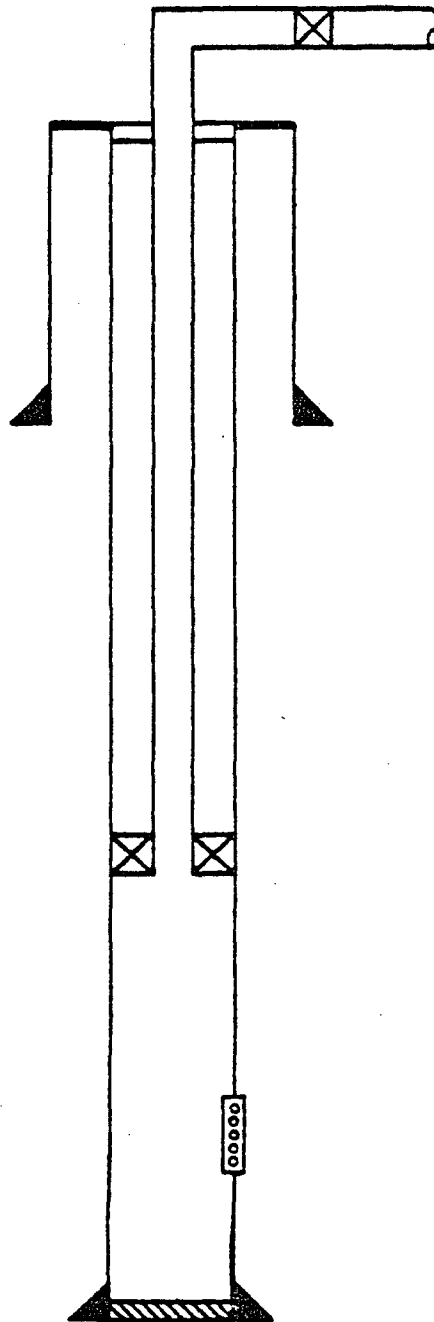
ATLANTIC RICHFIELD COMPANY

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

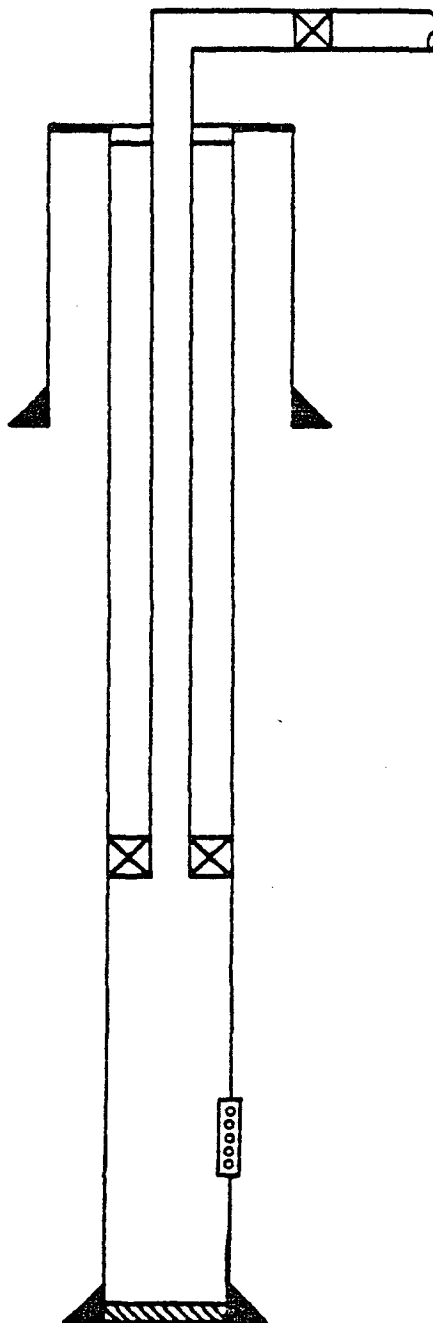
Empire Abo Unit Well J-212

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

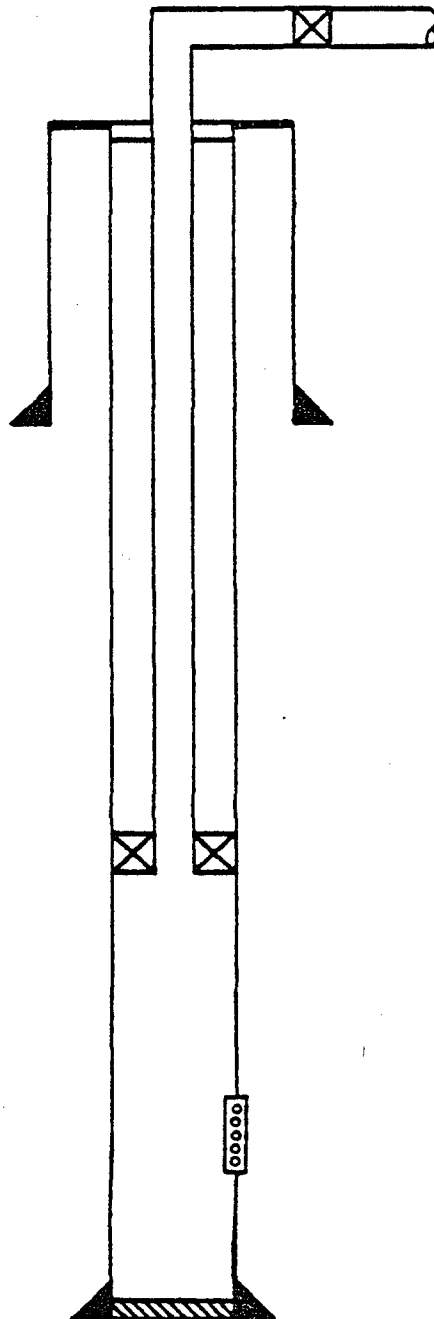
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well J-213

1950' FNL & 1300' 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

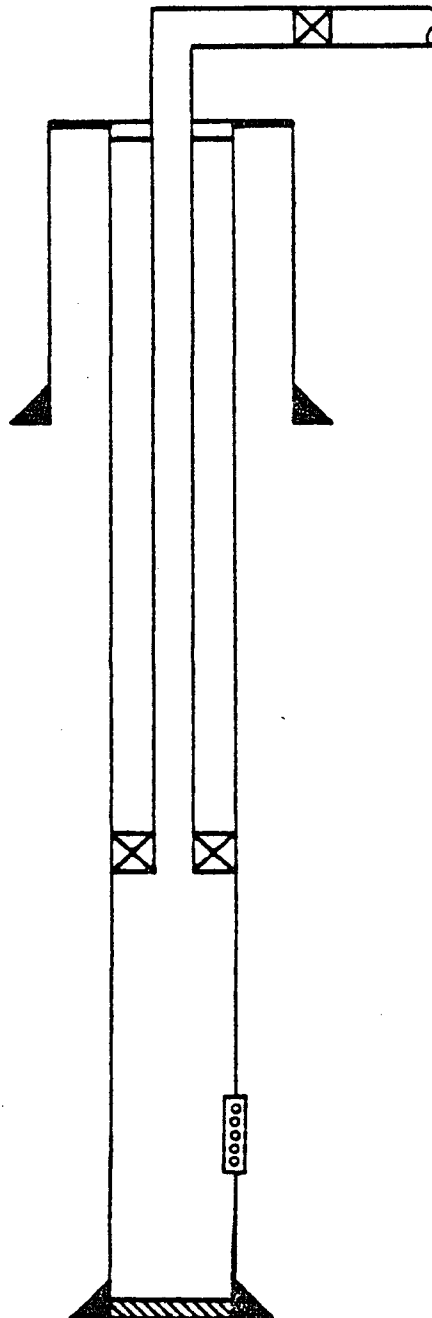
ATLANTIC RICHFIELD COMPANY

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

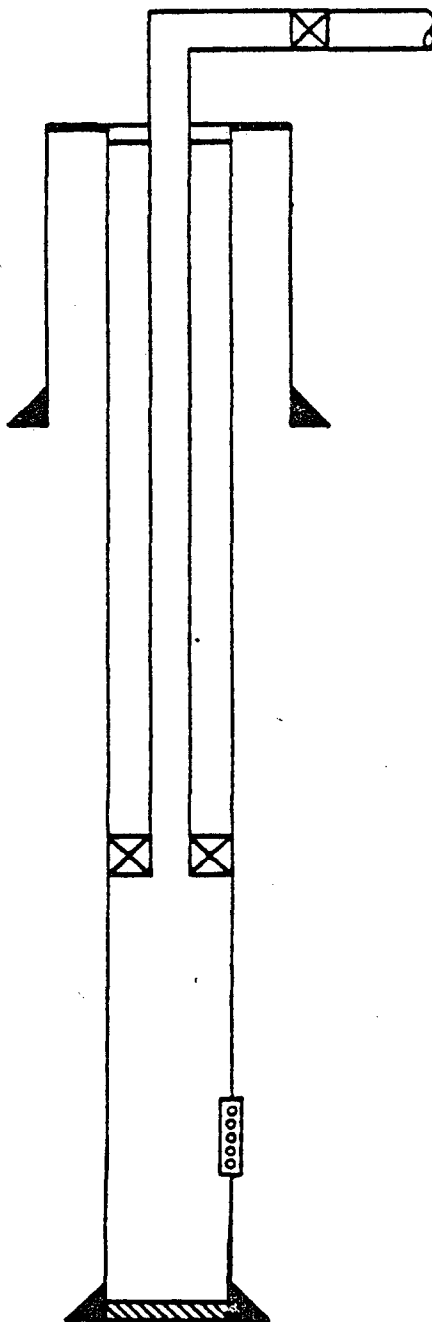
ATLANTIC RICHFIELD COMPANY

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

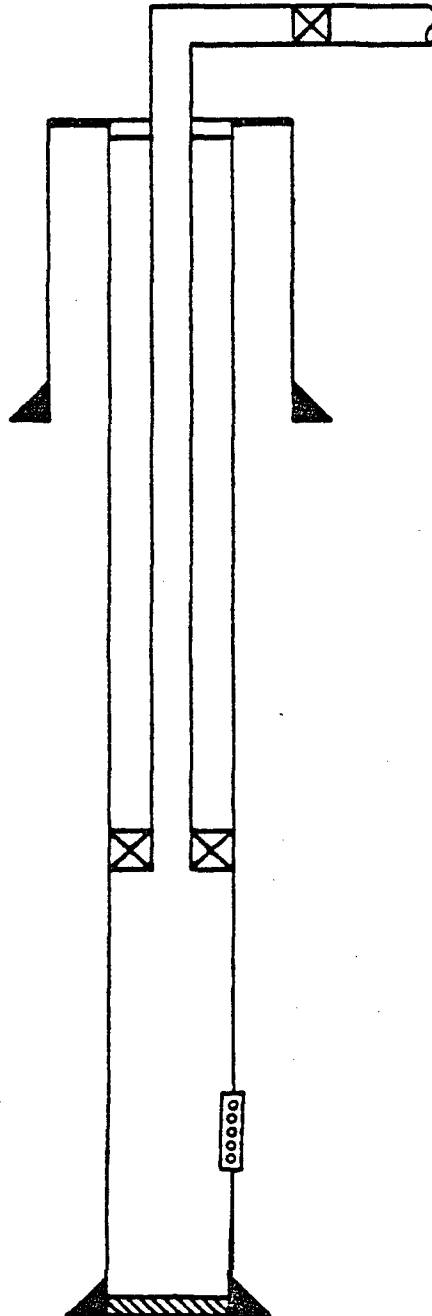
ATLANTIC RICHFIELD COMPANY

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'

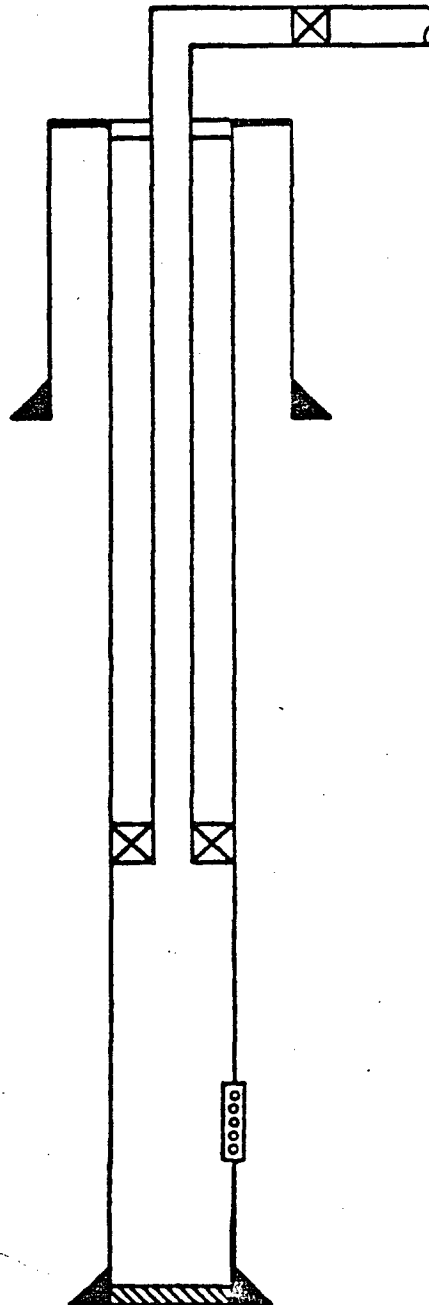
PROPOSED PRODUCING WELL DIAGRAM

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

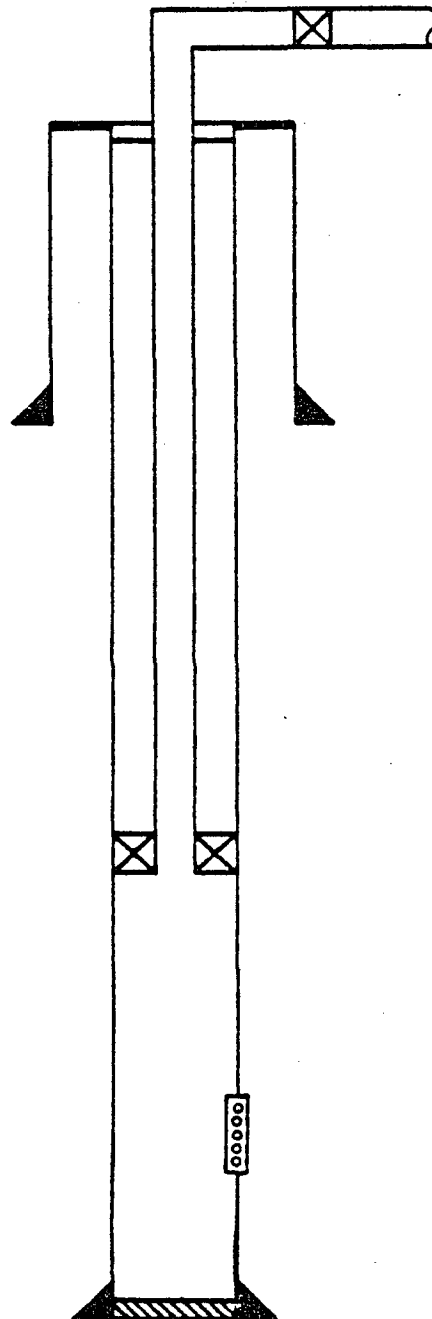
ATLANTIC RICHFIELD COMPANY

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

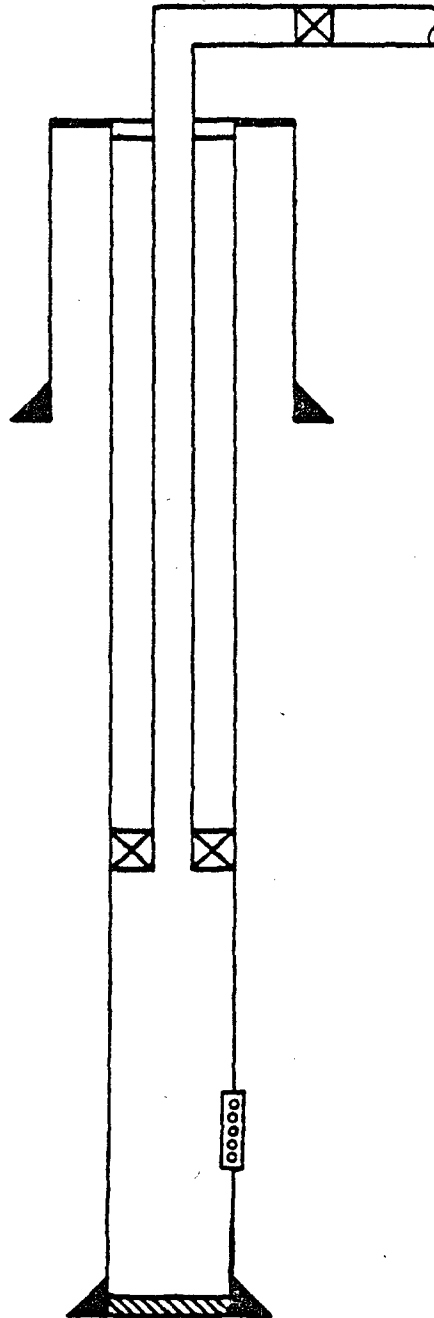
ATLANTIC RICHFIELD COMPANY

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'

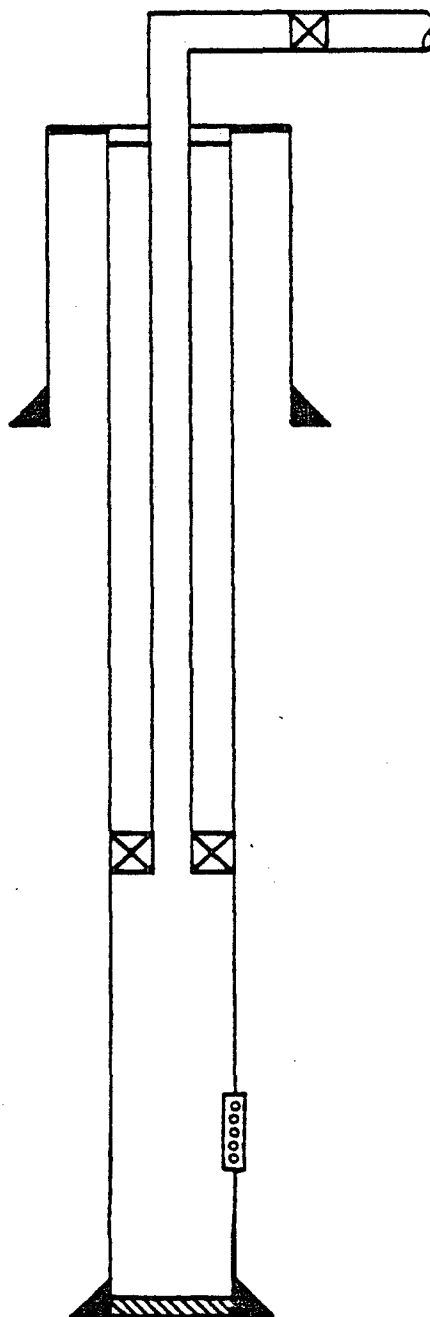
PROPOSED PRODUCING WELL DIAGRAM

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

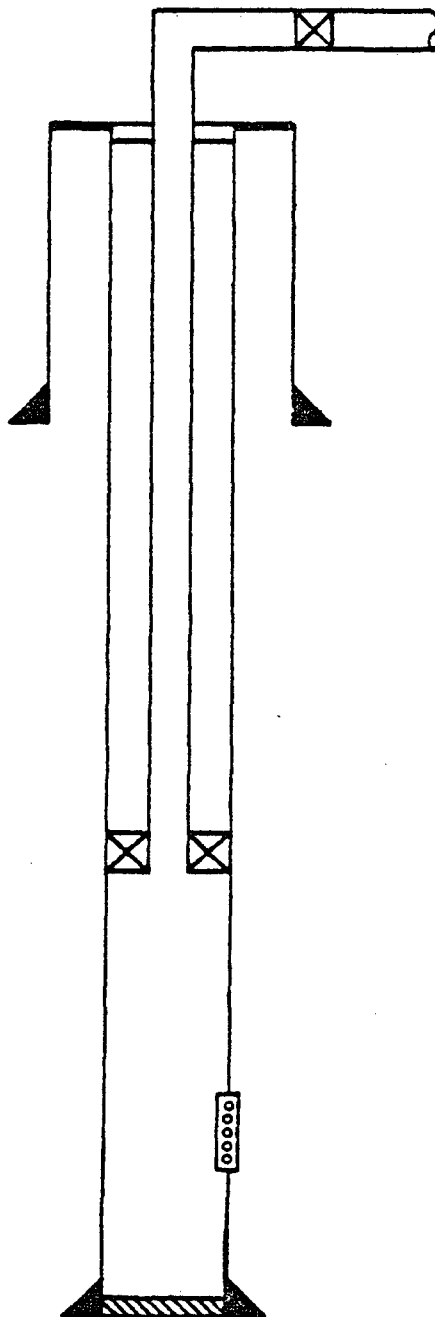
ATLANTIC RICHFIELD COMPANY

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'