

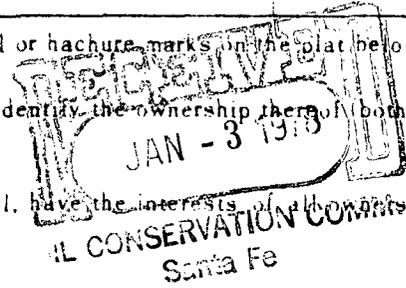
**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form O-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 - E		Acres 373
Tract Letter D	Section 35	Township 17 South	Range 28 East	County Eddy
Actual Footage Location of Well:				
150	feet from the	North	line and	15
				feet from the
				West
Ground Level Elev. 3670.4	Producing Formation	Pool	Casinghead Appurtenances	

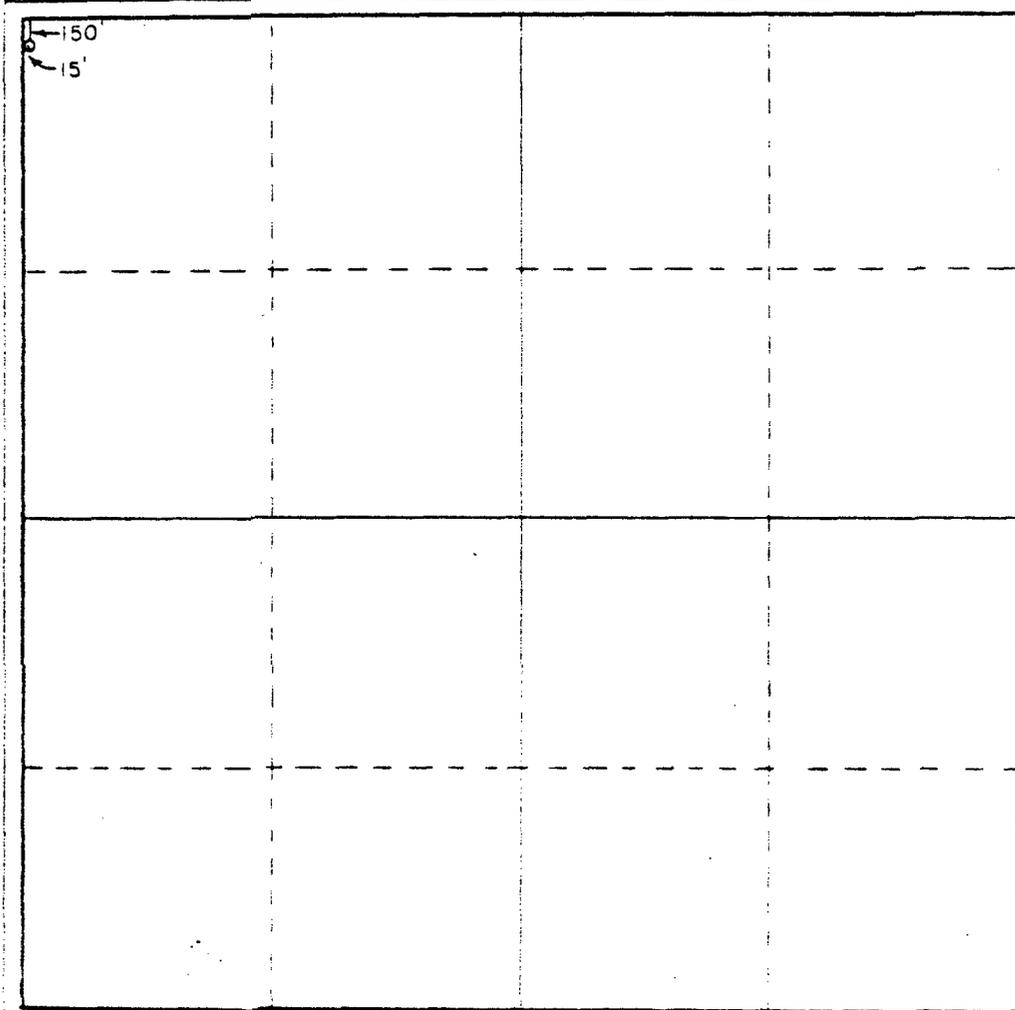
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is 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 *I. J. Natour*
Name

Operations Engineer
Position

Atlantic Richfield Company
Company

December 27, 1977
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.

December 15, 1977
Date Surveyed

Registered Professional Engineer
and Licensed Surveyor

John White
Signature

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

Form O-112
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 - E			Well No. 361		
Tract Letter A	Section 34	Township 17 South	Range 28 East	County Eddy				
Actual Footage Location of Well: 620 feet from the North line and 1200 feet from the East line								
Ground Level Elev. 3671.6	Producing Formation			Pool	Dedicated Acreage: Acres			

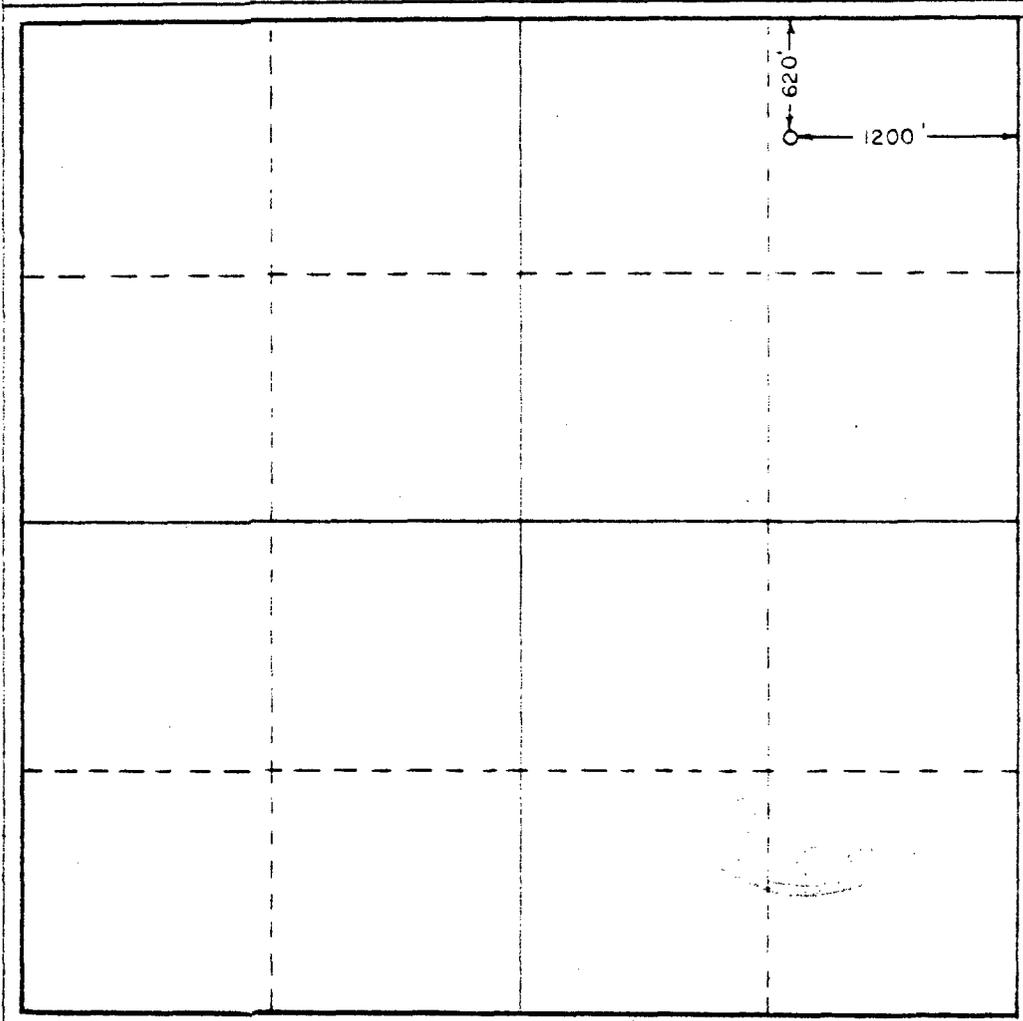
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is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

**RECEIVED
JAN - 3 1978
OIL CONSERVATION COMMISSION**

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

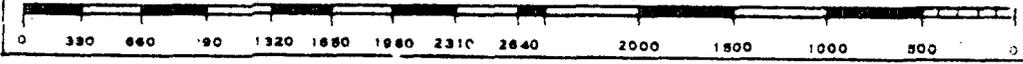
Name I. J. Natour
Position Operations Engineer
Company Atlantic Richfield Company
Date December 27, 1977

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

December 15, 1977

Date Surveyed:
Registered Professional Engineer and/or Land Surveyor

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



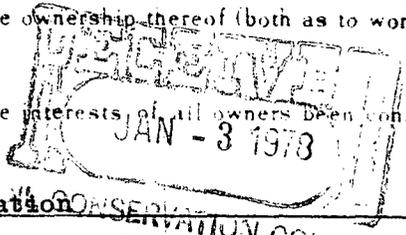
**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Superseded 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 - E		Acres 351
Section Letter B	Section 34	Township 17 South	Range 28 East	County Eddy
Annual Footage Location of well:				
610	feet from the	North	2601	feet from the East
Ground Level Elev. 3673.9	Producing Formation	Pool	Estimated Acreage: Acres	

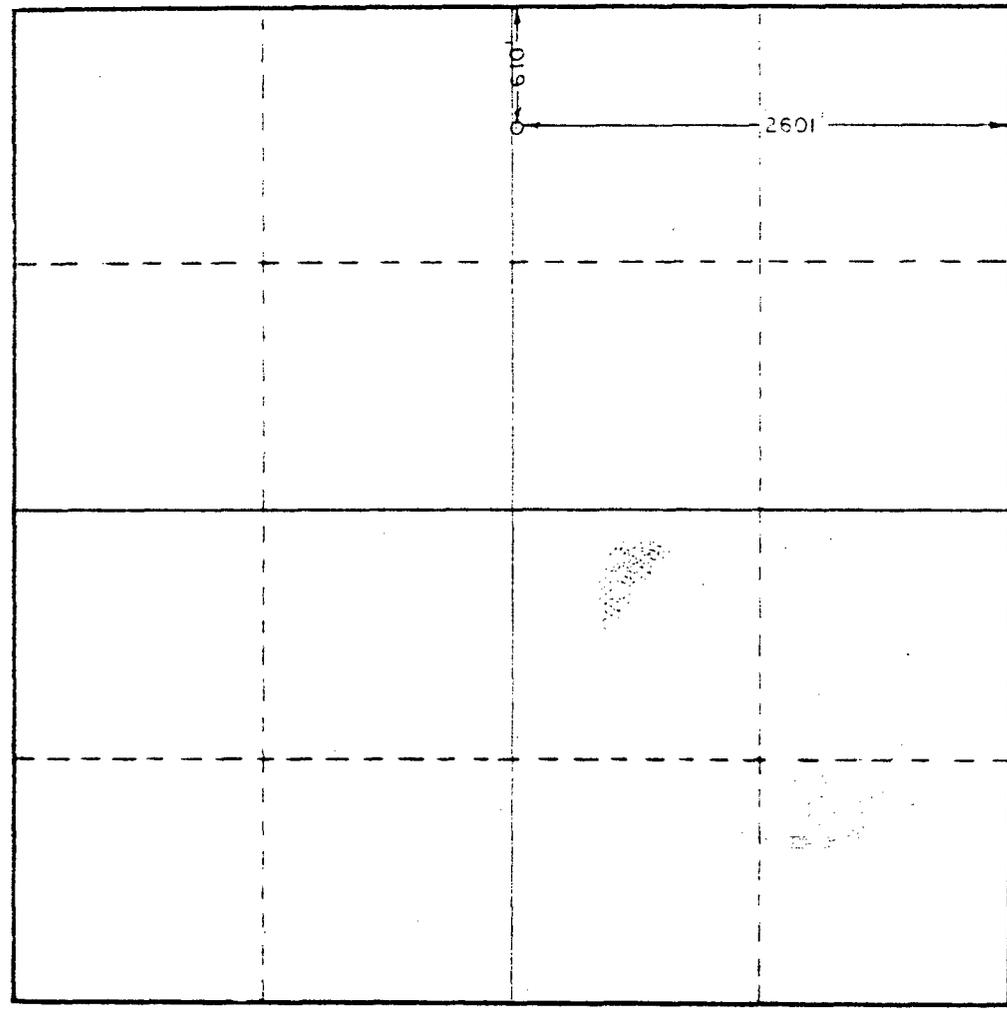
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is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

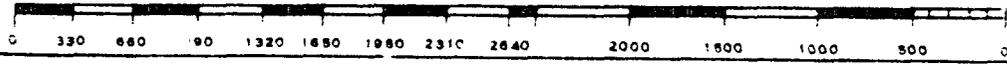
I. J. Natour

Name I. J. Natour
Position Operations Engineer
Company Atlantic Richfield Company
Date December 27, 1977

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

December 15, 1977

Date Surveyed
Registered Professional Engineer and/or Land Surveyor <i>John W. West</i>
Certificate No. 676



NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

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

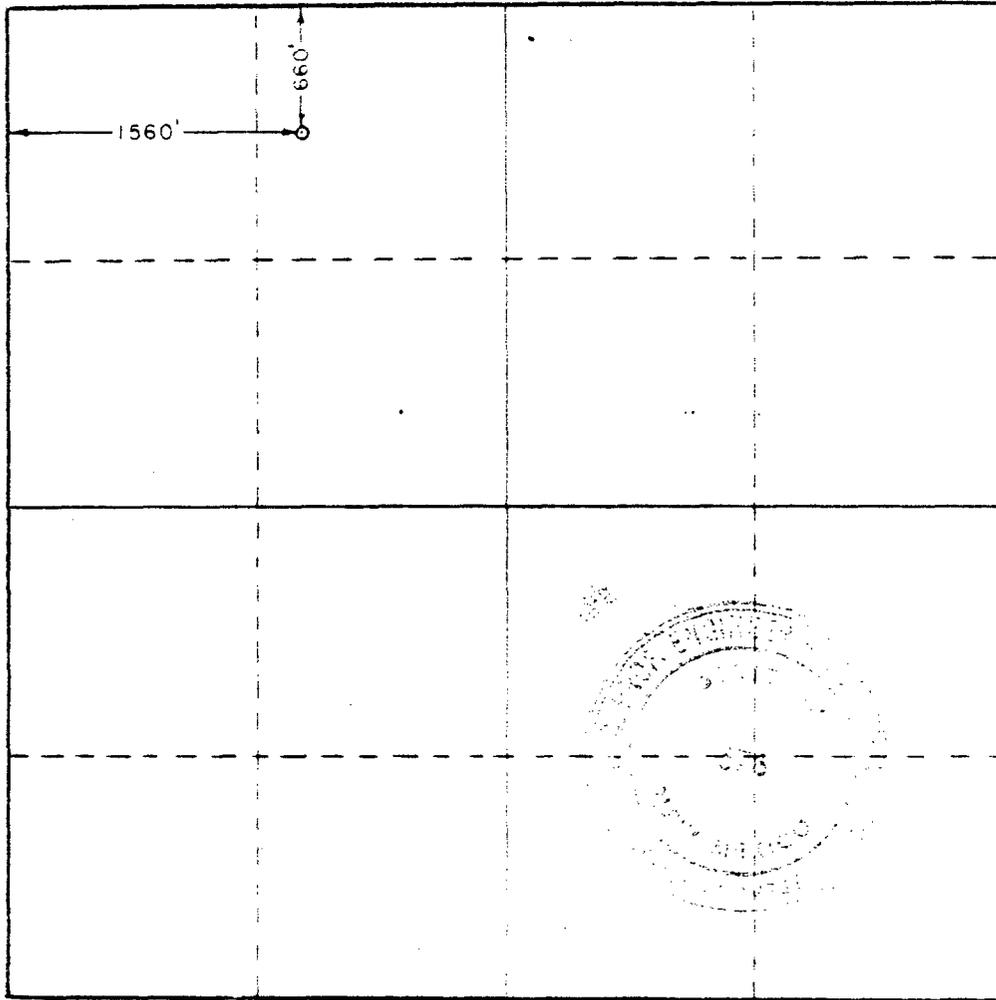
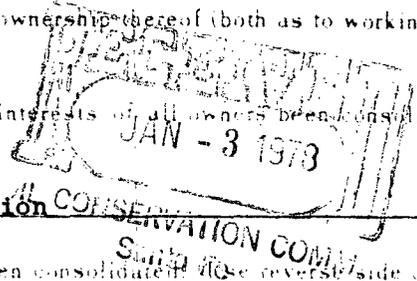
All distances must be from the outer boundaries of the Section.

Operator Atlantic Richfield Co.		Lease Empire Abo Unit - E		Well No. 341
Section Letter C	Section 34	Township 17 South	Range 28 East	County Eddy
Actual Package Location of Well: 660 feet from the North line and 1560 feet from the West line.				
Ground Level Elev 3675.7	Producing Formation		Foot	Dedicated Acreage

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes No If answer is "yes," type of consolidation Unitization
If answer is "no," list the owners and tract descriptions which have actually been consolidated (see 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

December 27, 1977

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

December 15, 1977
Title

Registered Professional Engineer
in the State of New Mexico

John W. West
Certificate No.

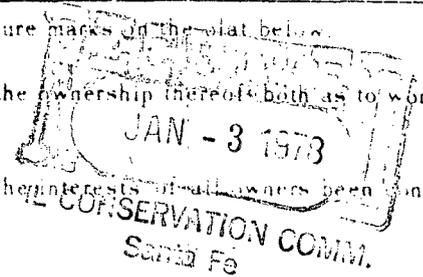
NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-102
Supersedes O-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		No. 321
Unit Letter H	Section 33	Township 17 South	Range 28 East	County Eddy
Actual Footage Location of Well: 1610 feet from the North line and 250 feet from the East line.				
Ground Level Elev. 3674.3	Producing Formation	Pool	Estimated Acreage	

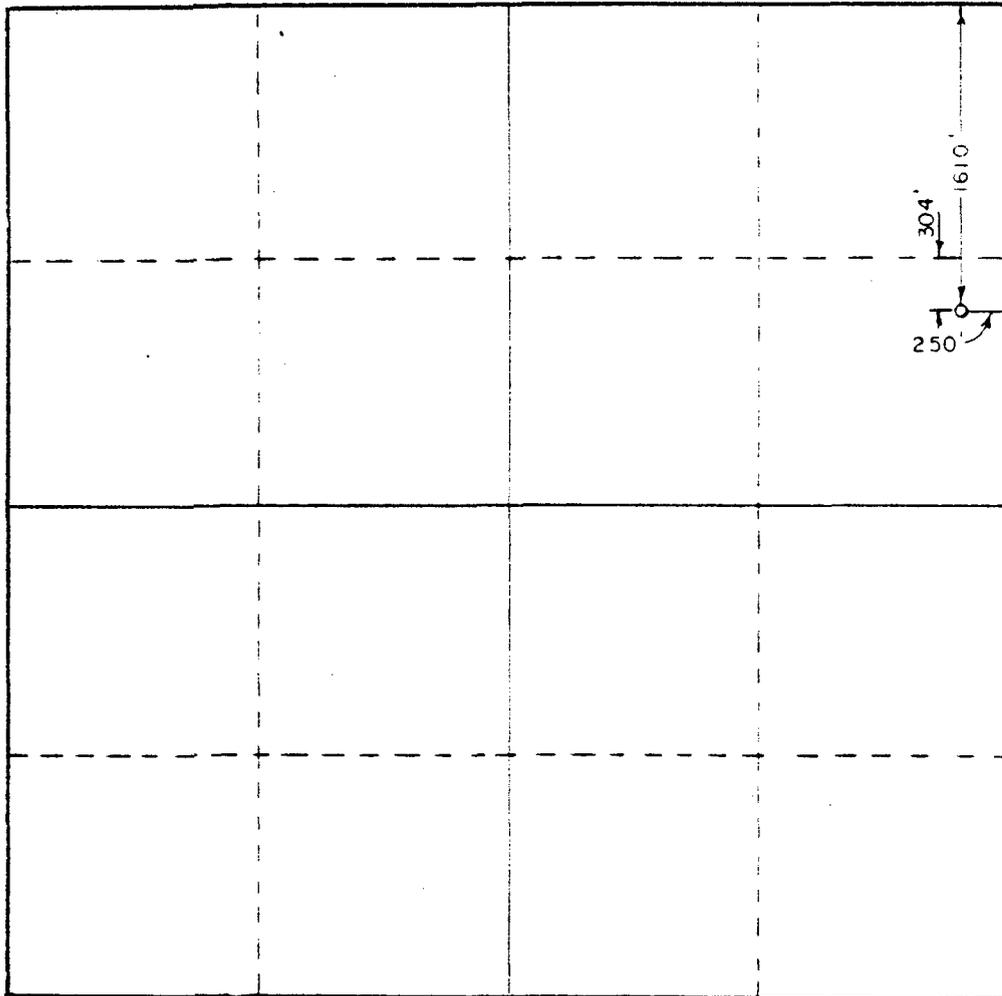
- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?



Yes No If answer is "yes," type of consolidation 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

I. J. Natour
Position
Operations Engineer
Company
Atlantic Richfield Company

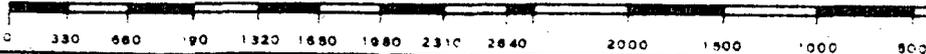
Date
December 27, 1977

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

December 15, 1977

Date Surveyed
Registered Professional Engineer
and/or Land Surveyor

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



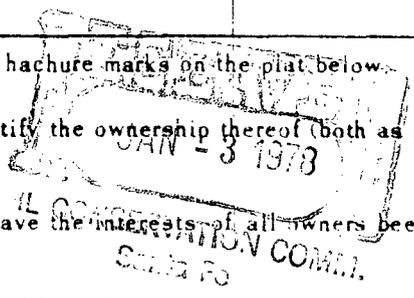
NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-4-65

All distances must be from the outer boundaries of the Section

Operator Atlantic Richfield Co.		Lease Empire Abo Unit - G		Well No. 322
Tract Letter 1	Section 33	Township 17 South	Range 28 East	County Eddy
Actual Footage Location of Well:				
2350	feet from the	South	line and	1100
feet from the				feet from the
Ground Level Elev. 3665.6	Producing Formation	Pool	Dedicated Acreage	

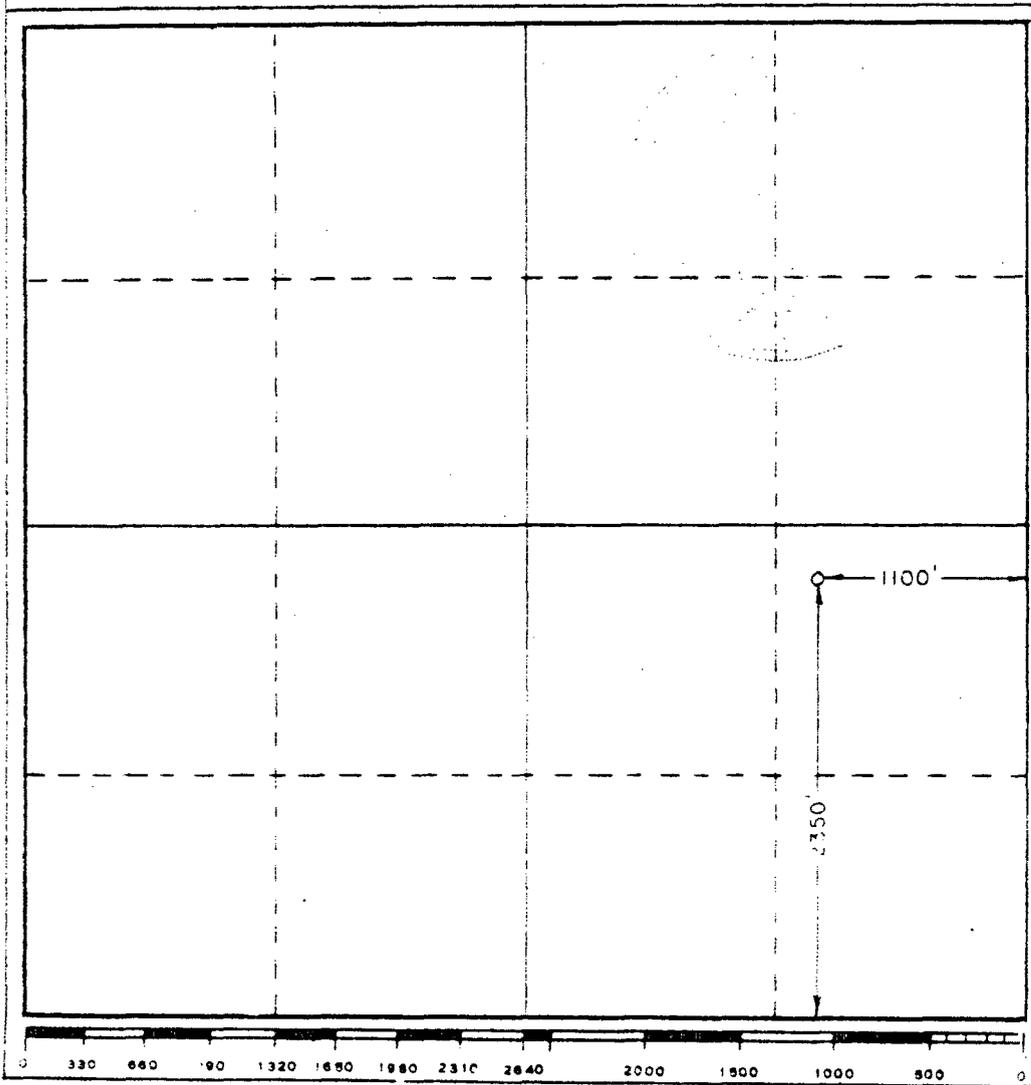
- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?



Yes No If answer is "yes," type of consolidation 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
December 27, 1977

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

December 15, 1977

Date Surveyed

Registered Professional Engineer
and/or Land Surveyor

John W. Wicket

Certificate No. **676**

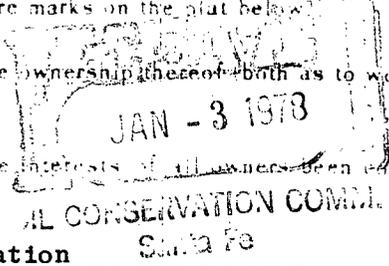
**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

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

All distances must be from the outer boundaries of the Section

Operator Atlantic Richfield Co.		Lease Empire Abo Unit - I		Section 272
Block B	Section 5	Range 18 South	Meridian 28 East	County Eddy
Actual Well Location of Well:				
1300	feet from the	North	Line and	2345
				feet from the
				East
Ground Level Elev. 3651.9	Producing Formation		Pool	Estimated Acreage

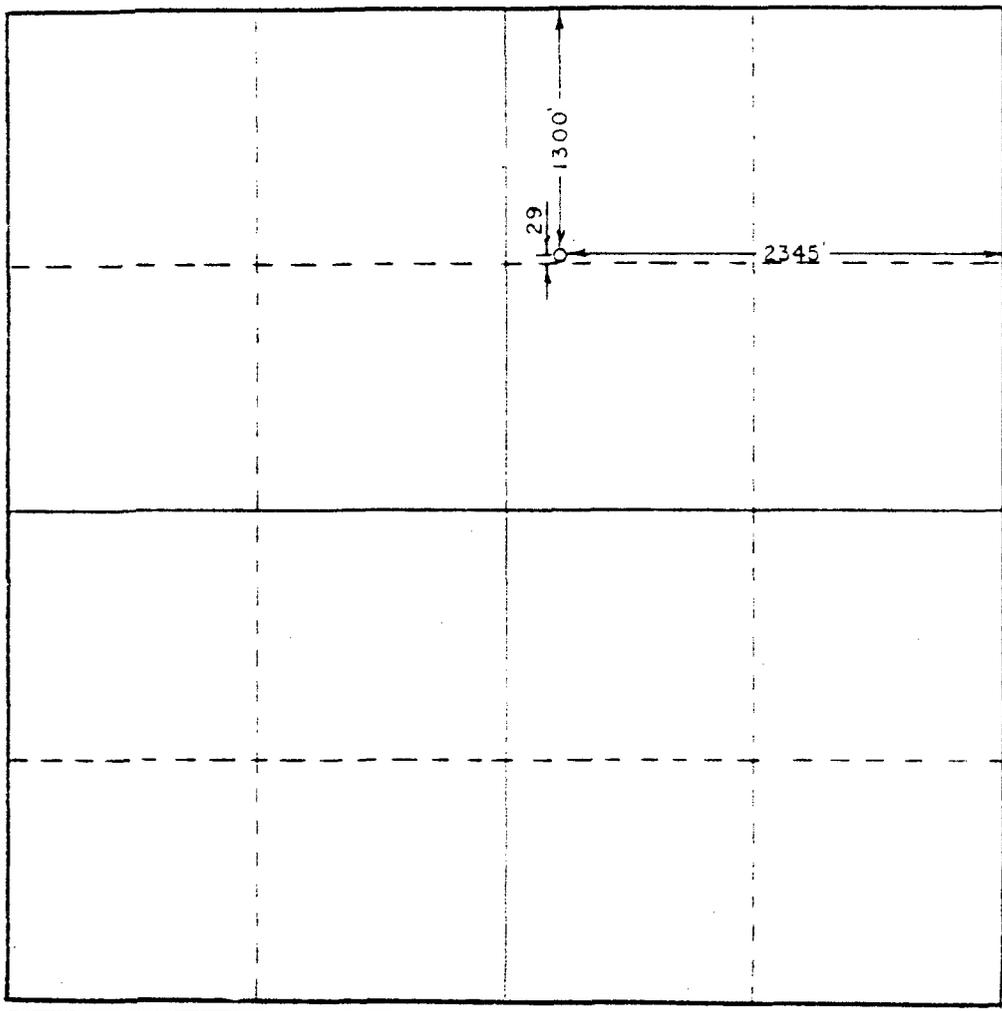
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communization, unitization, force-pooling, etc?



Yes No If answer is "yes," type of consolidation **Unitization** **Santa Fe**

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 communization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

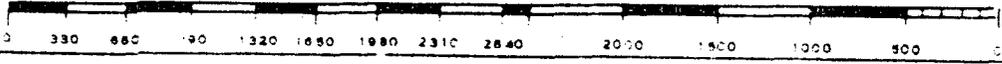
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

I. J. Natour
Name
I. J. Natour
Position
Operations Engineer
Company
Atlantic Richfield Company
Date
December 27, 1977

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

December 19, 1977

Date Surveyed
Registered Professional Engineer
in the State of New Mexico
John W. Covert
Certificate No. **676**



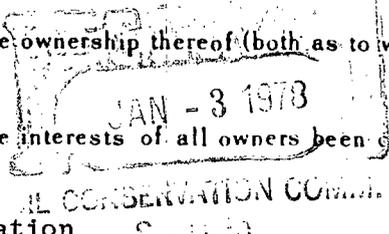
NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

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

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

Operator Atlantic Richfield Co.		Lease Empire Abo Unit - K		Well No. 231
Unit Letter J	Section 6	Township 18 South	Range 28 East	County Eddy
Actual Footage Location of Well:				
1700	feet from the	South	line and	2350
				feet from the
				East
				line
Ground Level Elev. 3649.3	Producing Formation		Pool	Dedicated Acreage: Acres

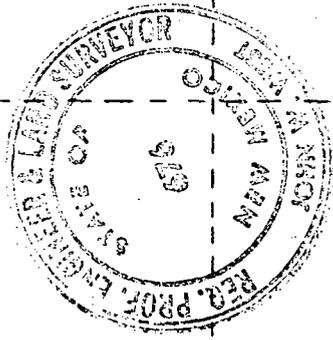
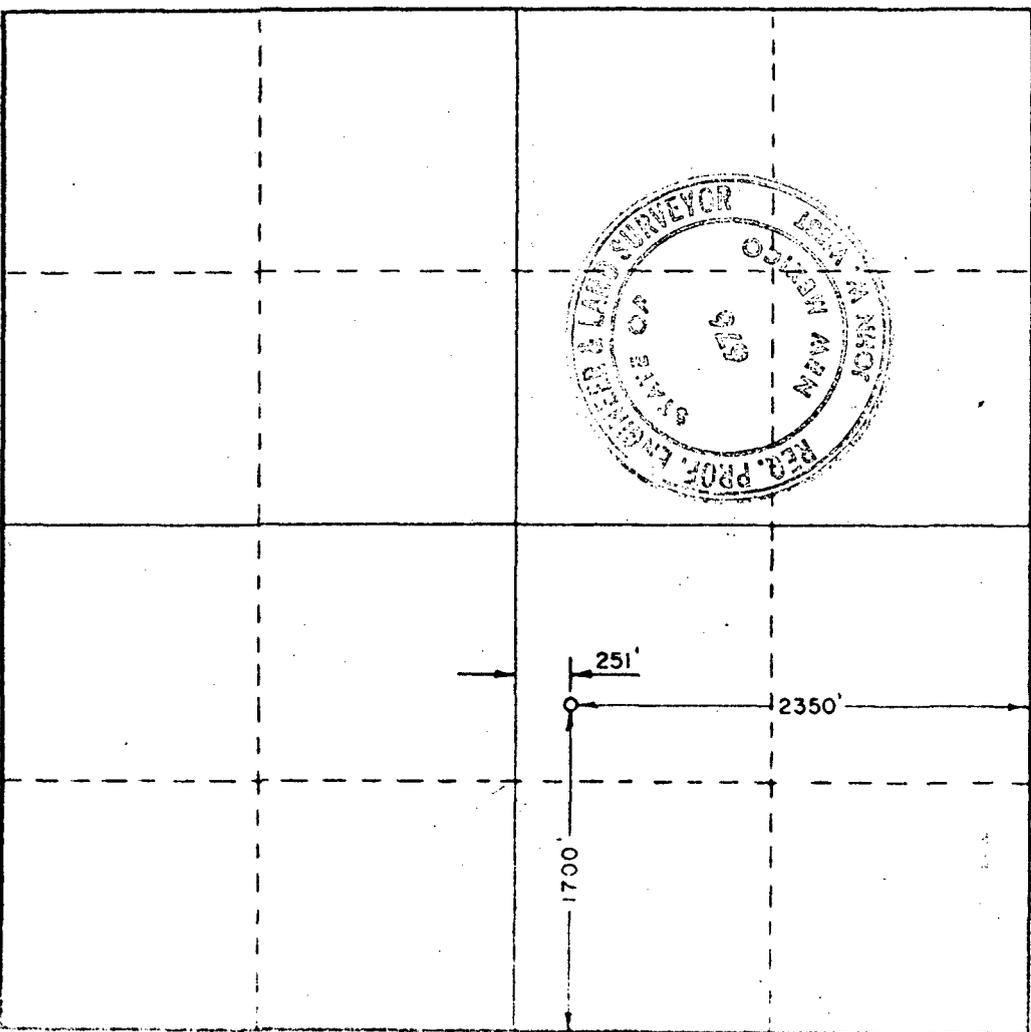
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is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

Date
December 27, 1977

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

December 19, 1977
Date surveyed

Registered Professional Engineer and Land Surveyor
John W. West

**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

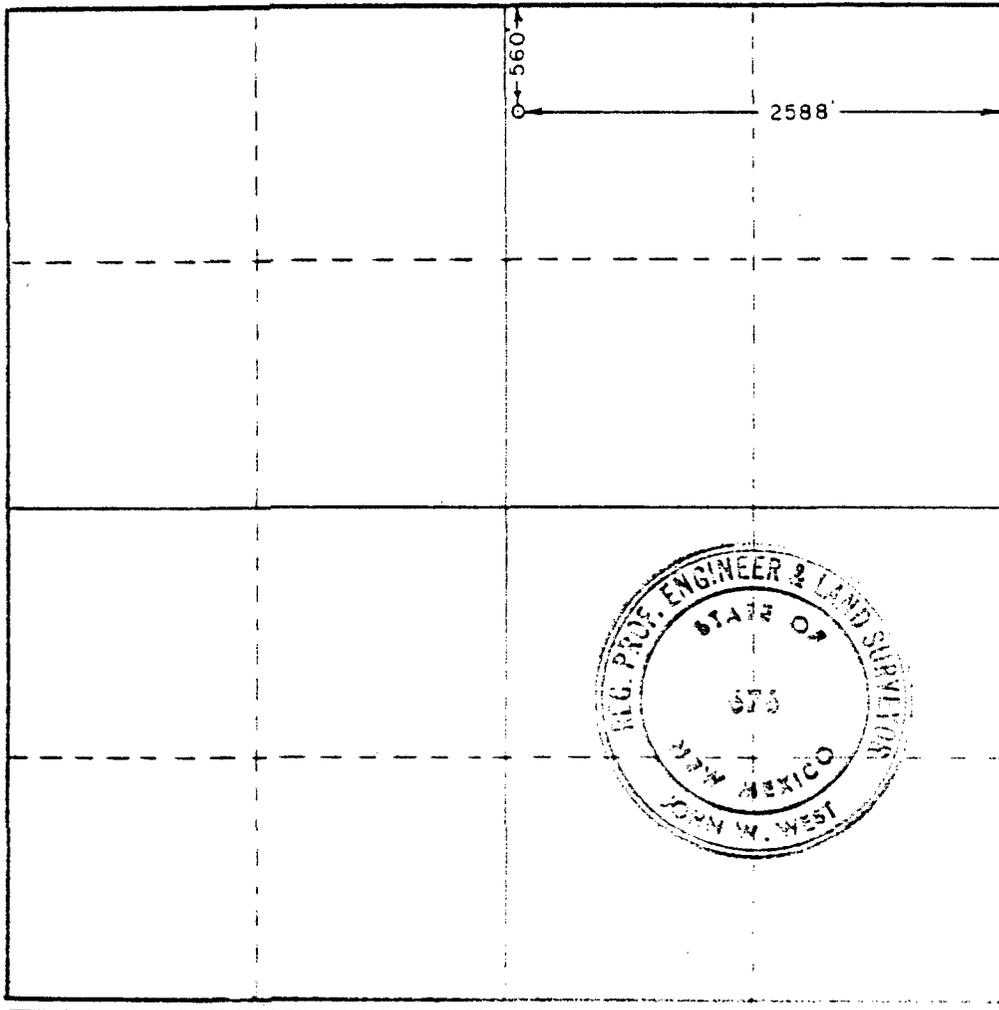
Operator Atlantic Richfield Co.		Lease Empire Abo Unit - M		Well No. 152
Tract Letter B	Section 11	Township 18 South	Range 27 East	County Eddy
Actual Footage Location of Well: 560 feet from the North line and 2588 feet from the East line				
Ground Level Elev. 3589.8	Producing Formation	Pool	Dedicated 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
December 27, 1977

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

December 14, 1977

[Signature]

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

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

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

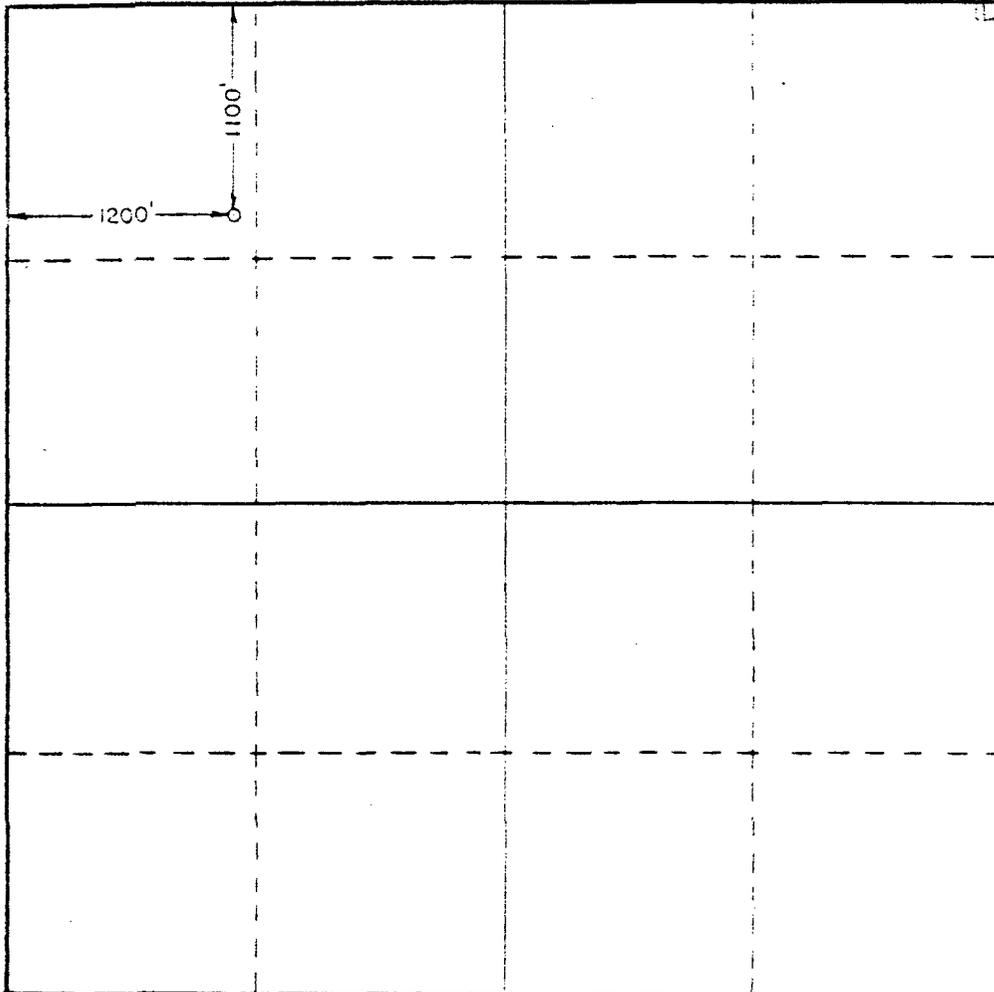
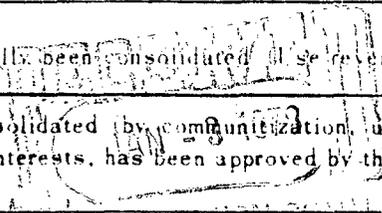
Operator Atlantic Richfield Co.		Lease Empire Abo Unit - M		Well No. 131
Tract Letter D	Section 11	Township 13 South	Range 27 East	County Eddy
Actual Footage Location of Well:				
1100	feet from the	North	line and	1200
			feet from the	West
Ground Level Elev. 3568.3	Producing Formation	Pool	Estimated Acreage	

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.



**CONSERVATION COMMISSION
CERTIFICATION**

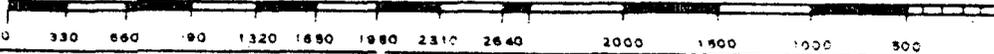
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

I. J. Natour
Name
I. J. Natour
Position
Operations Engineer
Company
Atlantic Richfield Company
Date
December 27, 1977

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

December 14, 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 O-102
Supersedes O-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

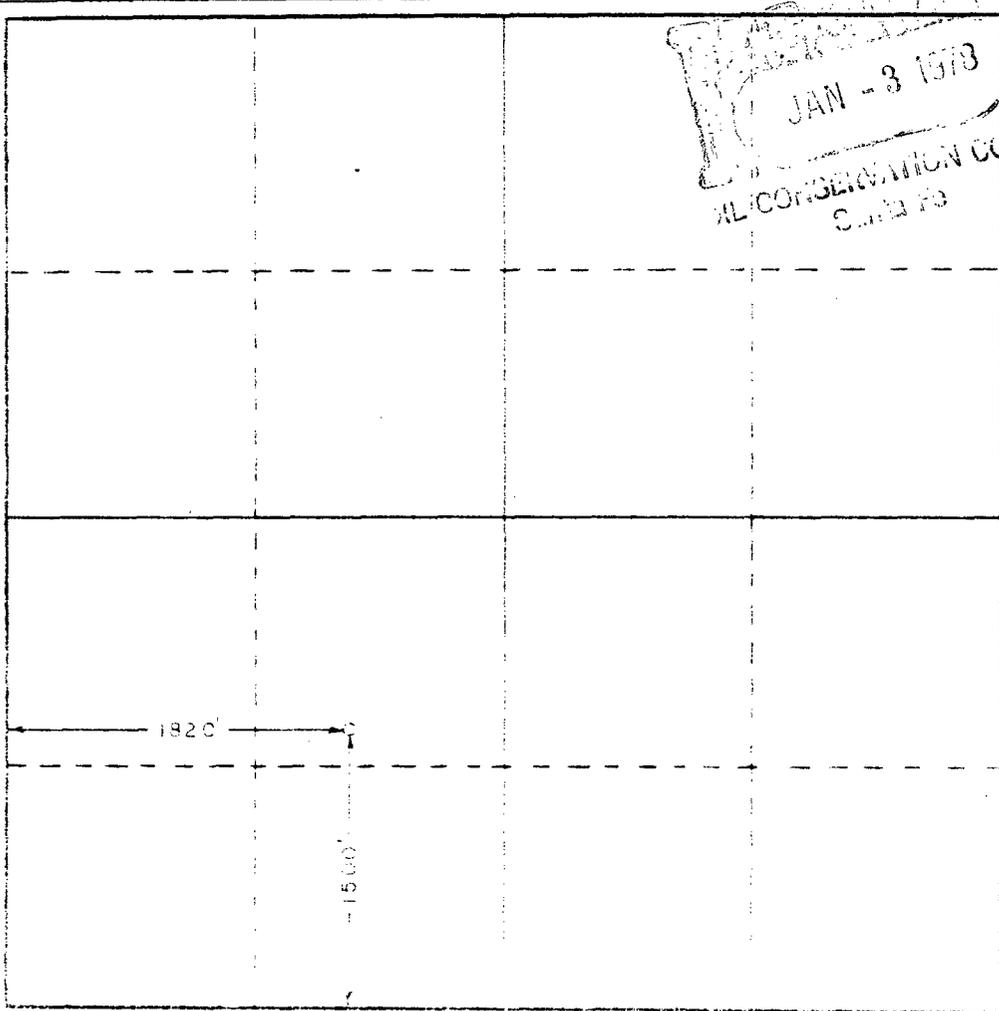
County Atlantic Richfield Co.		Lease Empire Abo Unit - G			Well No. 343
Quarter K	Section 34	Township 17 South	Range 28 East	County Eddy	
Well Location Location of Well:					
1500	feet from the	South	line and	1820	feet from the
					West
Ground Level Elev. 3659.5	Producing Formation		Depth	Estimated Acreage	

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: **December 27, 1977**

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

December 15, 1977

**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

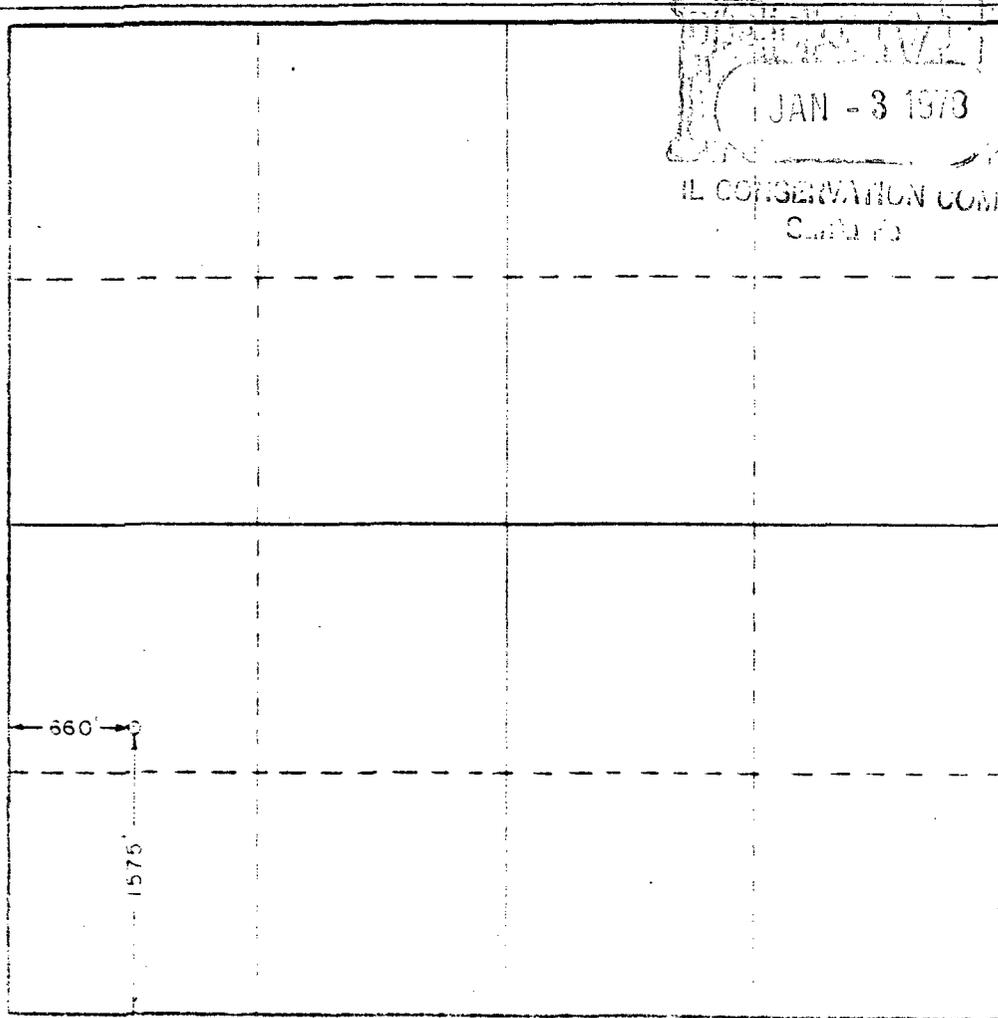
Operator Atlantic Richfield Co.		Lease Empire Abo Unit - G		Section 332
Unit Letter L	Section 34	Township 17 South	Range 28 East	County Eddy
Actual Footage Location of Well: 1575 feet from the South line and 660 feet from the West line				
Ground Level Elev. 3658.4	Producing Formation	Pool	Estimated Acreage	

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 communization, 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 communization, 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

I. J. Natour

Operations Engineer

Atlantic Richfield Company

December 27, 1977

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

December 16, 1977

[Signature]

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

Form O-100
Supersedes O-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

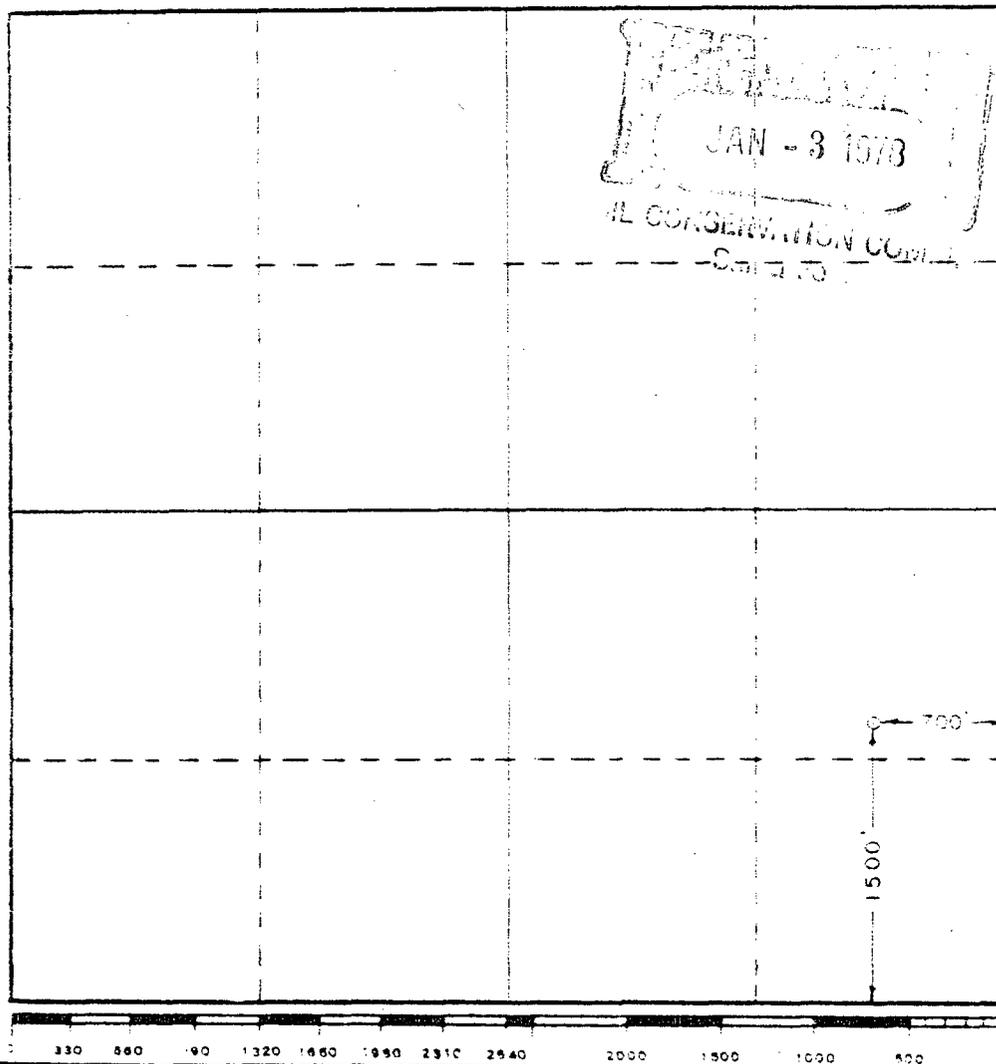
Operator Atlantic Richfield Co.		Lease Empire Abo Unit - G		Well No. 323
East Corner 1	Section 33	Township 17 South	Range 29 East	County Eddy
Actual Surface Location of Well: 1500 feet from the South line and 700 feet from the East line				
Ground Level Elev. 3663.9	Producing Formation		Feet	Deviator's Azimuth

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

I. J. Natour

Operations Engineer

Atlantic Richfield Company

December 27, 1977

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

December 16, 1977

Registered Professional Engineer
and of Land Surveyor

John W. West

Certificate No. **676**

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

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

All distances must be from the outer boundaries of the Section

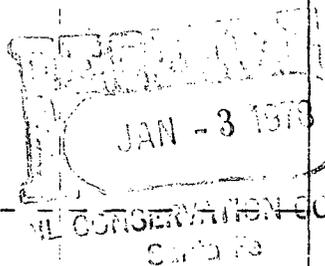
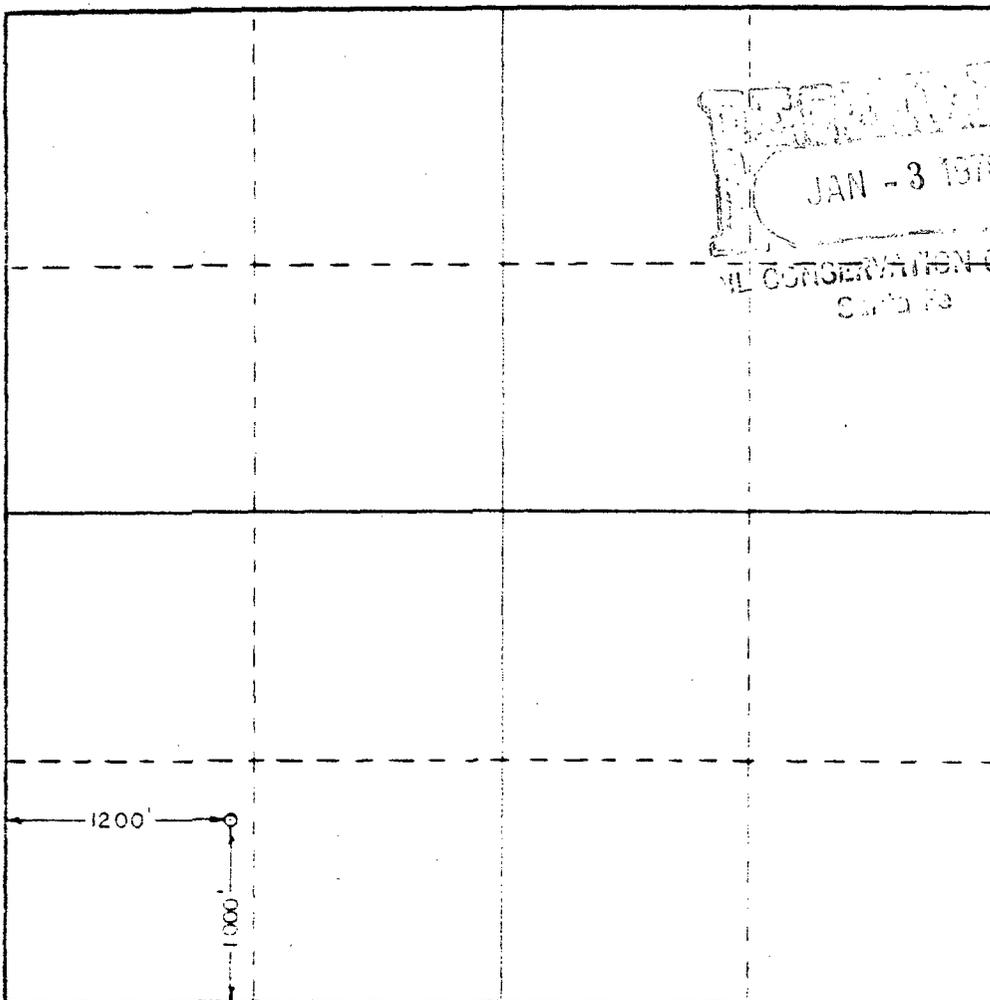
Operator Atlantic Richfield Co.		Lease Empire Abo Unit - H		Section 331
Unit Letter M	Section 34	Range 17 South	Block 28 East	County Eddy
Actual Footage Location of Well: 1000 feet from the South line and 1200 feet from the West line				
Ground Level Elev. 3658.4	Producing Formation	Pool	Estimated Acreage	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes No If answer is "yes" type of consolidation 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

I. J. Natour

Position

Operations Engineer

Company

Atlantic Richfield Company

Date

December 27, 1977

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

December 16, 1977

Date Surveyed

Registered Professional Engineer and 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 O-112
Supersedes O-112
Effective 1-1-75

All distances must be from the outer boundaries of the Section

Operator Atlantic Richfield Co.		Lease Empire Abo Unit - H		Section 321
Well Letter P	Section 33	Township 17 South	Range 28 East	County Eddy
Actual Footage Location of Well: 1050 feet from the South line and 250 feet from the East line				
Ground Level Elev. 3662.4	Producing Formation	Pool	Remarks	

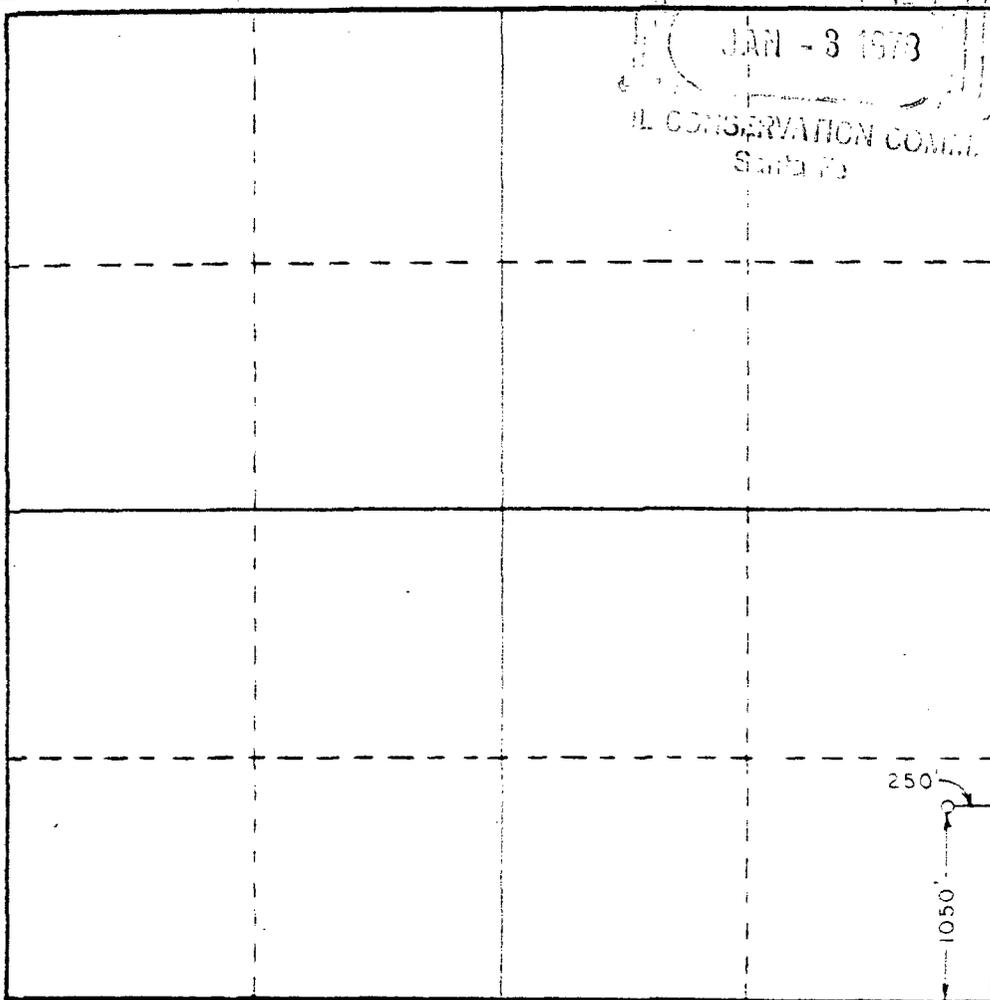
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is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

RECEIVED
JAN - 3 1978
OIL CONSERVATION COMMISSION
SANTA FE



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

December 27, 1977

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

December 16, 1977
Date surveyed

Registered Professional Engineer
and 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

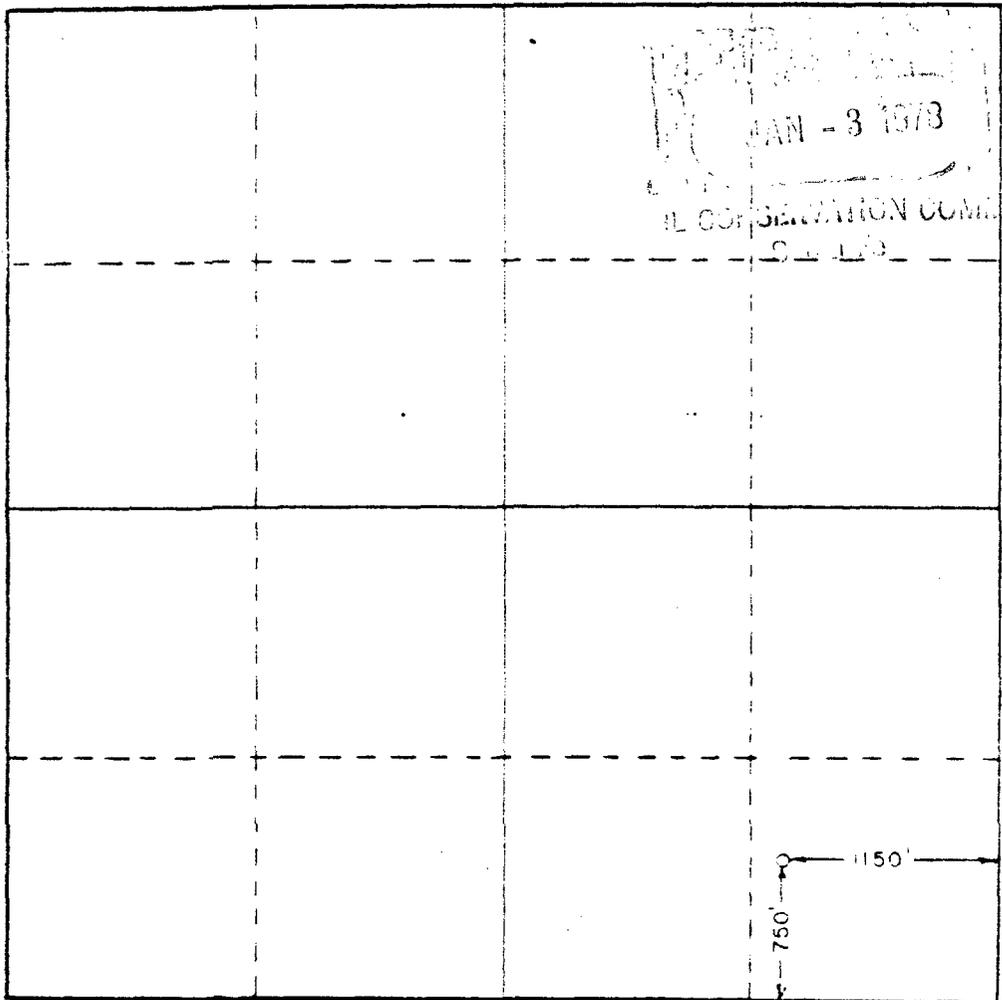
Operator Atlantic Richfield Co.		Lease Empire Abo Unit - H		Well No. 322
Grid Letter P	Section 33	Township 17 South	Range 28 East	County Eddy
Actual Footage Location of Well: 750 feet from the South line and 1150 feet from the East line				
Ground Level Elev. 3662.4	Producing Formation	Pool	Deed/Lease Acquired	

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.



JAN - 3 1978
 OIL CONSERVATION COM.

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

December 27, 1977

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

December 16, 1977
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.

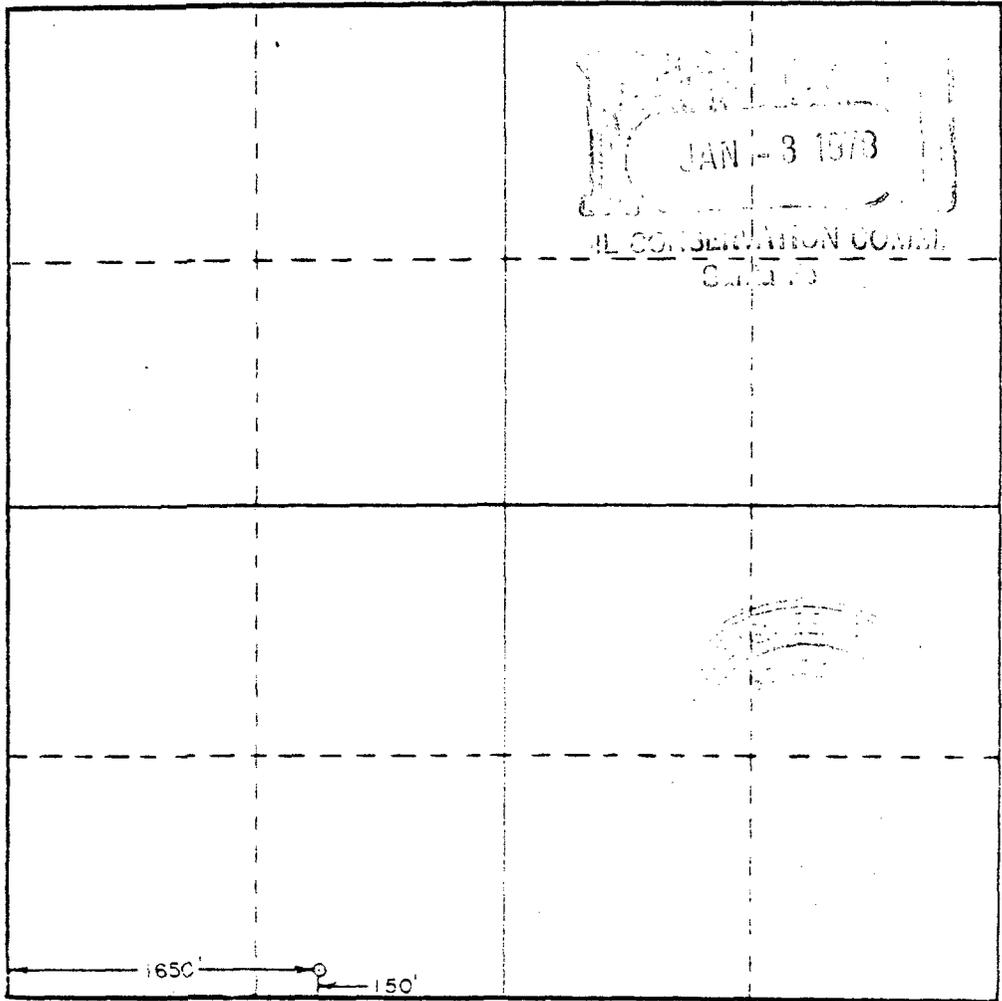
Operator Atlantic Richfield Co.		Lease Empire Abo Unit - H			Well No. 301
Grid Letter N	Section 33	Township 17 South	Range 28 East	County Eddy	
Actual Footage Location of Well: 150 feet from the South line and 1650 feet from the West line					
Ground Level Elev. 3659.8	Producing Formation		Pool	Designated Acreage: Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes No If answer is "yes," type of consolidation 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

December 27, 1977

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

December 16, 1977

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 O-102
Supersedes O-128
Effective 1-1-55

All distances must be from the outer boundaries of the Section

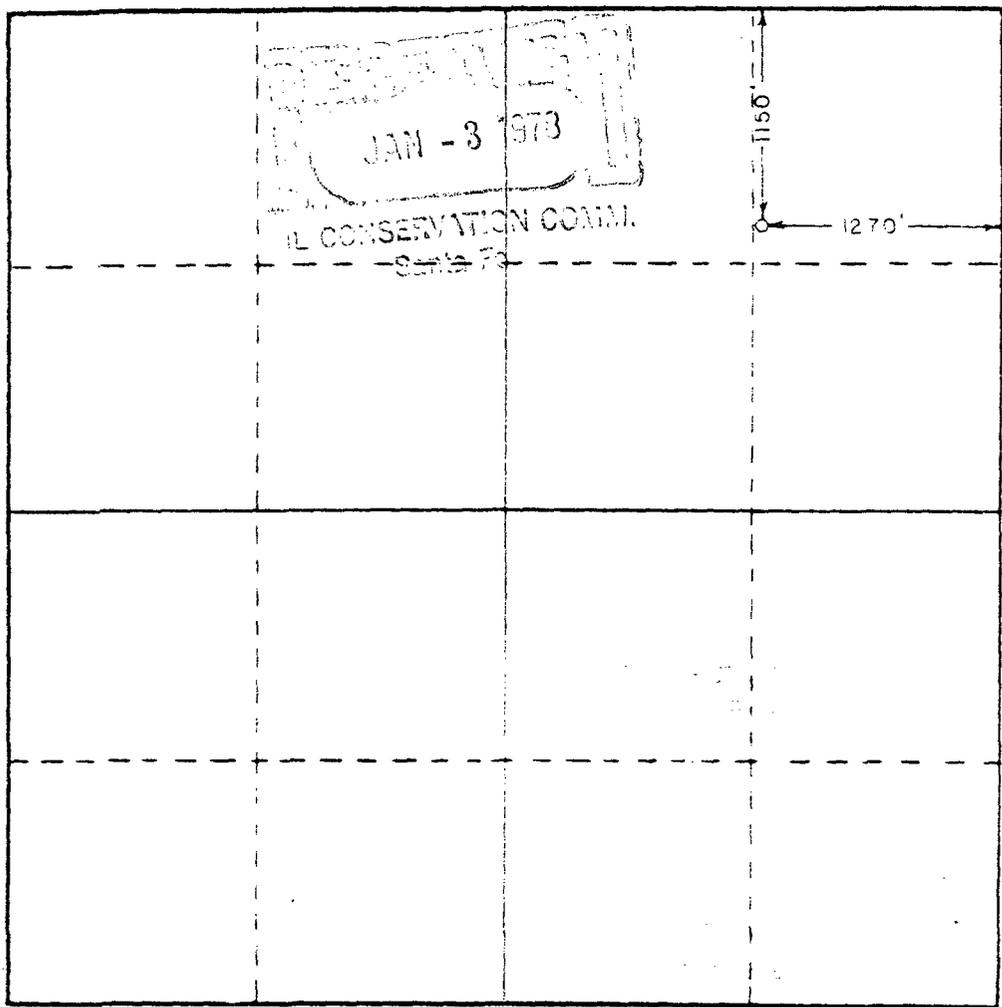
Operator Atlantic Richfield Co.		Lease Empire Abo Unit - I		Section 282
Tract Letter A	Section 5	Township 13 South	Range 28 East	County Eddy
Actual Footage Location of Well:				
1150	feet from the	North	line and	1270
				feet from the
				East
Ground Level Elev. 3655.1	Producing Formation		Pool	Estimated Acreage

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
December 27, 1977

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

December 16, 1977

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 O-102
Supersedes O-128
Effective 12-85

All distances must be from the outer boundaries of the Section

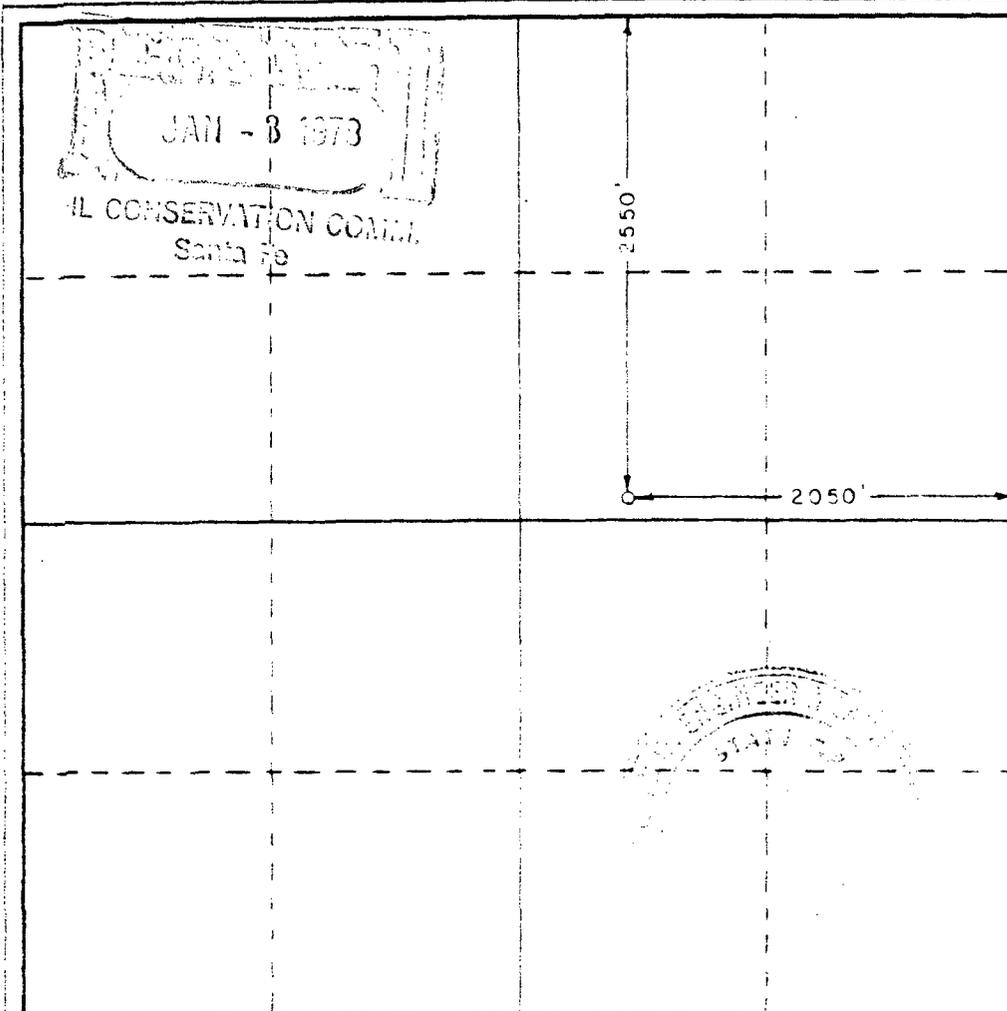
Operator Atlantic Richfield Co.		Lease Empire Abo Unit - J		Well No. 233
Grid Letter G	Section 6	Township 18 South	Range 28 East	County Eddy
Actual Footage Location of Well: 2550 feet from the North line and 2050 feet from the East line				
Ground Level Elev. 3668.9	Producing Formation	Pool	Estimated Acreage	

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
December 27, 1977

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

December 10, 1977

Date Surveyed
Registered Professional Engineer and 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

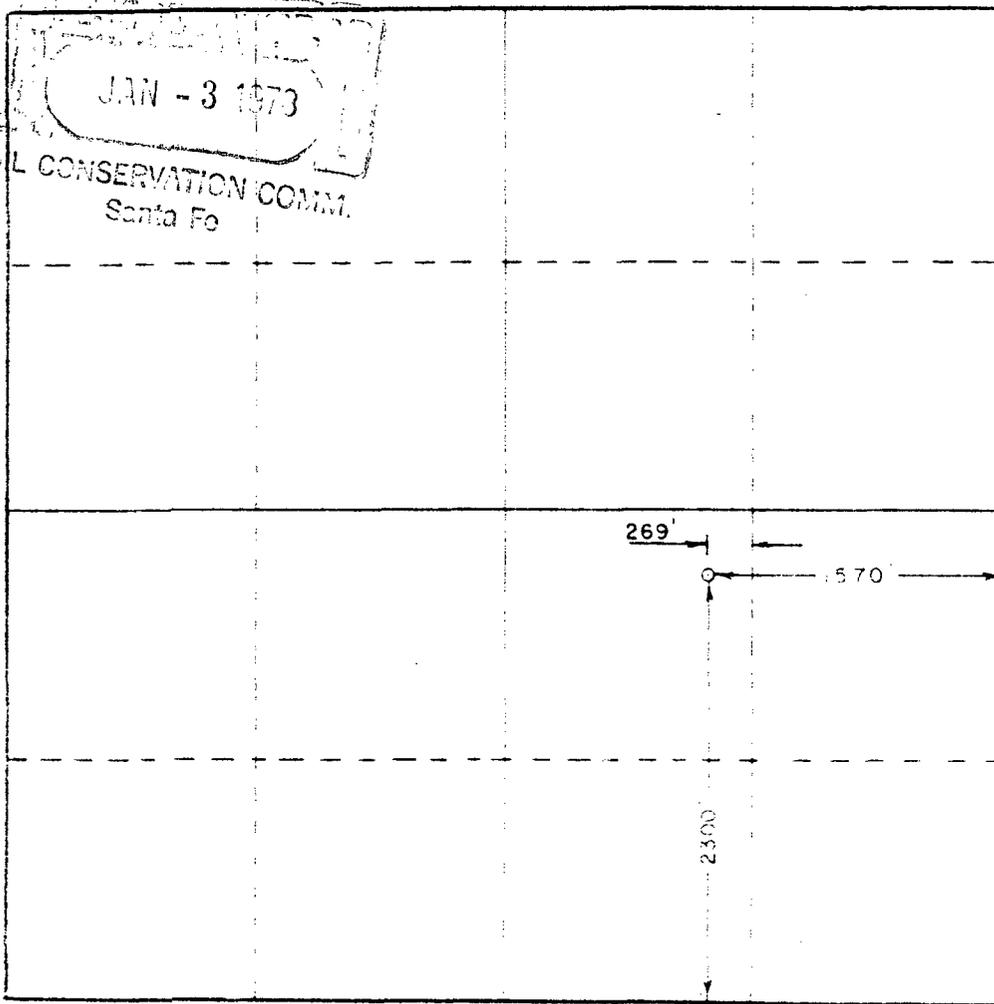
Operator Atlantic Richfield Co.		Lease Empire Abo Unit - K		Section 232
Tract J	Section 6	Range 18 South	Meridian 28 East	County Eddy
Well Location (Location of well)				
Distance from the 2300		Direction South	Distance from the 1570	
Direction East		Distance from the 3653.1		
Ground Level Elev.		Producing Formation	Pool	Estimated Acreage

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes No If answer is "yes," type of consolidation 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

Operations Engineer

Company
Atlantic Richfield Company

Date
December 27, 1977

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

December 19, 1977

Name Surveyed

Registered Professional Engineer
No. 11, 111 Surveyor

Chris W. West
Name of the No.

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

Form O-102
Supersedes O-108
Effective 10-65

All distances must be from the outer boundaries of the Section

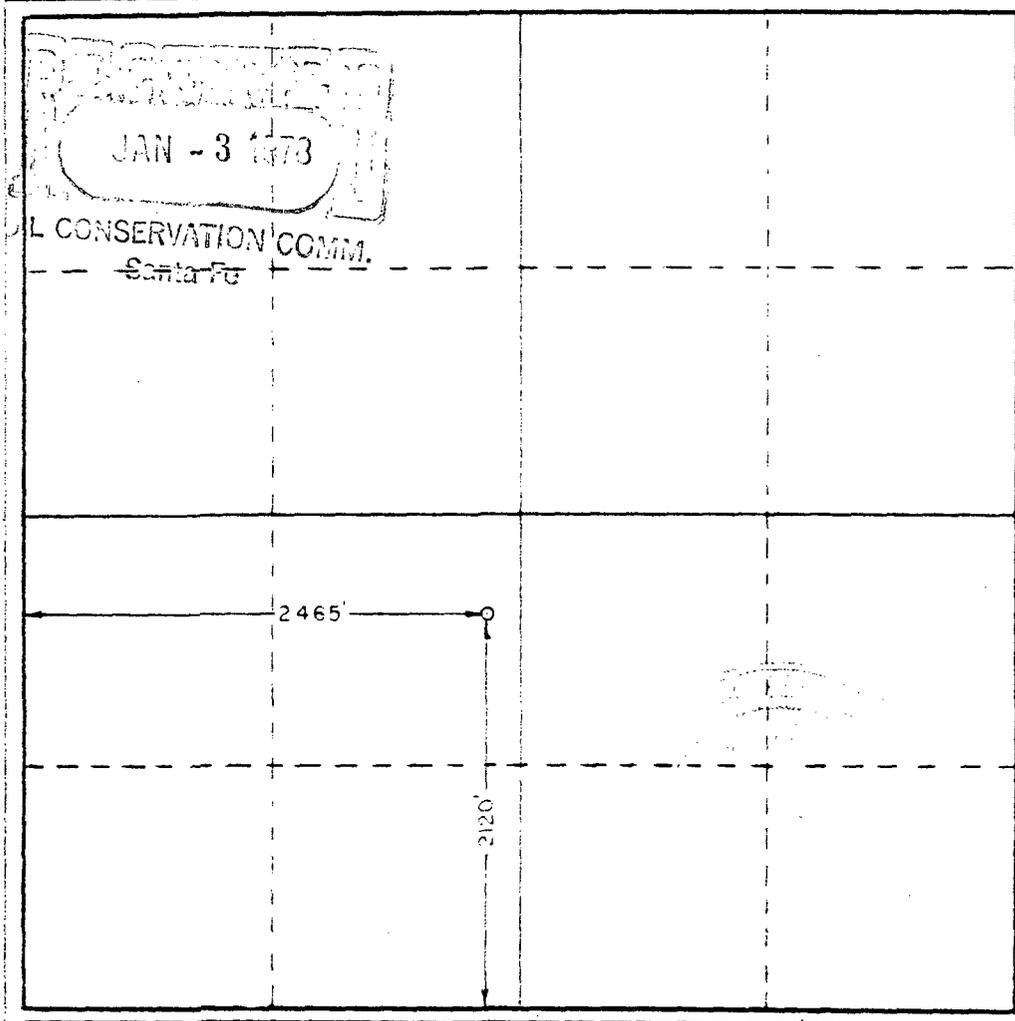
Operator Atlantic Richfield Co.		Lease Empire Aco Unit - K		Section 184
Section K	Section 1	Range 18 South	Range 27 East	County Eddy
Actual Well Location of Well:				
2120	feet from the South	line and	2465	feet from the West
Ground Level Elev. 3623.3	Producing Formation	Pool	Dedicated Acreage	

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
December 27, 1977

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

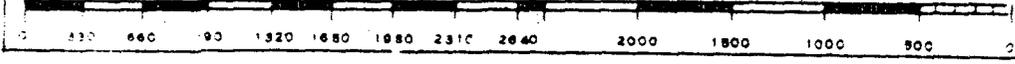
December 14, 1977

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 O-102
Supersedes O-128
Effective 12-65

All distances must be from the outer boundaries of the Section

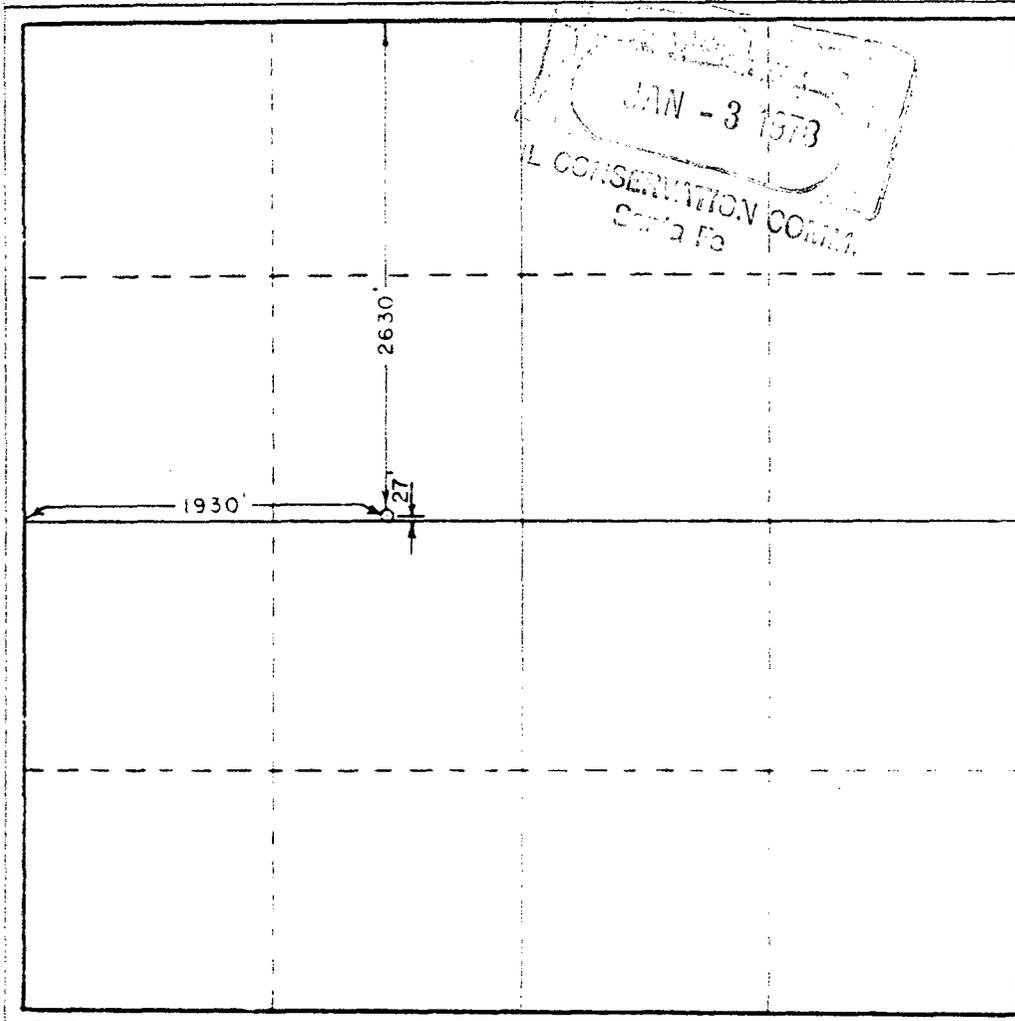
Operator Atlantic Richfield Co.		Lease Empire Abo Unit - J		223
Tract Letter F	Section 6	Township 18 South	Range 28 East	County Eddy
Actual Footage Location of Well:				
2630	feet from the	North	line and	1930
			feet from the	West
Ground Level Elev. 3644.3	Producing Formation		Per	County

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

I. J. Natour

Operations Engineer

Atlantic Richfield Company

December 27, 1977

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

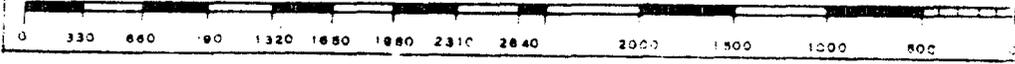
December 19, 1977

Registered Professional Engineer
No. 12,121 Surveyor

John W. Wolf

Certificate No.

676



NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-101
Supersedes O-128
Effective 1-1-65

All distances must be from the outer boundaries of the Township

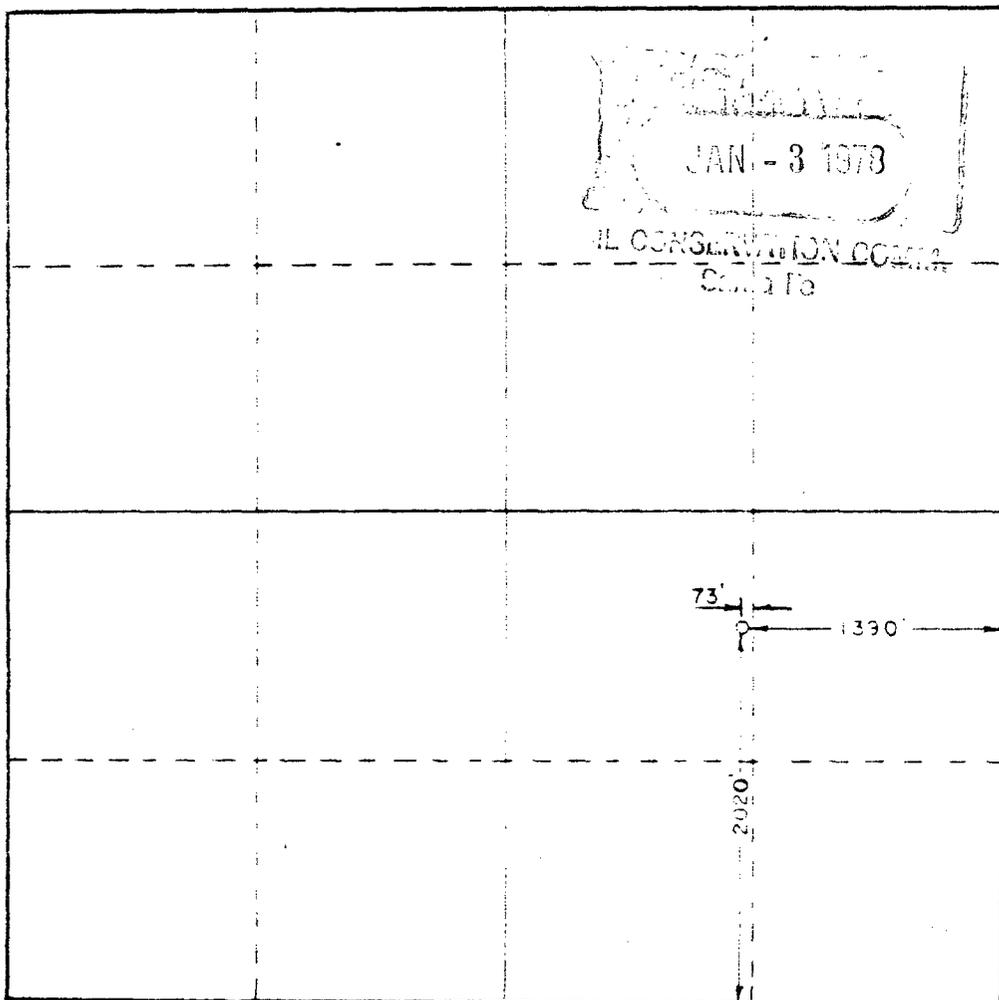
Atlantic Richfield Co.		Empire Acre Unit - K		192
J	1	13 South	27 East	Eddy
2020	South	1390	East	
3636.7				

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes No If answer is "yes," type of consolidation 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

I. J. Natour

Operations Engineer

Atlantic Richfield Company

December 27, 1977

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

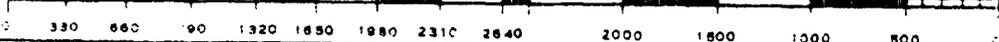
December 14, 1977

Registered Professional Engineer and Land Surveyor

John W. West

Certificate No.

676



NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-102
Supersedes C-128
Effective 11-45

All distances must be from the outer boundaries of the Section

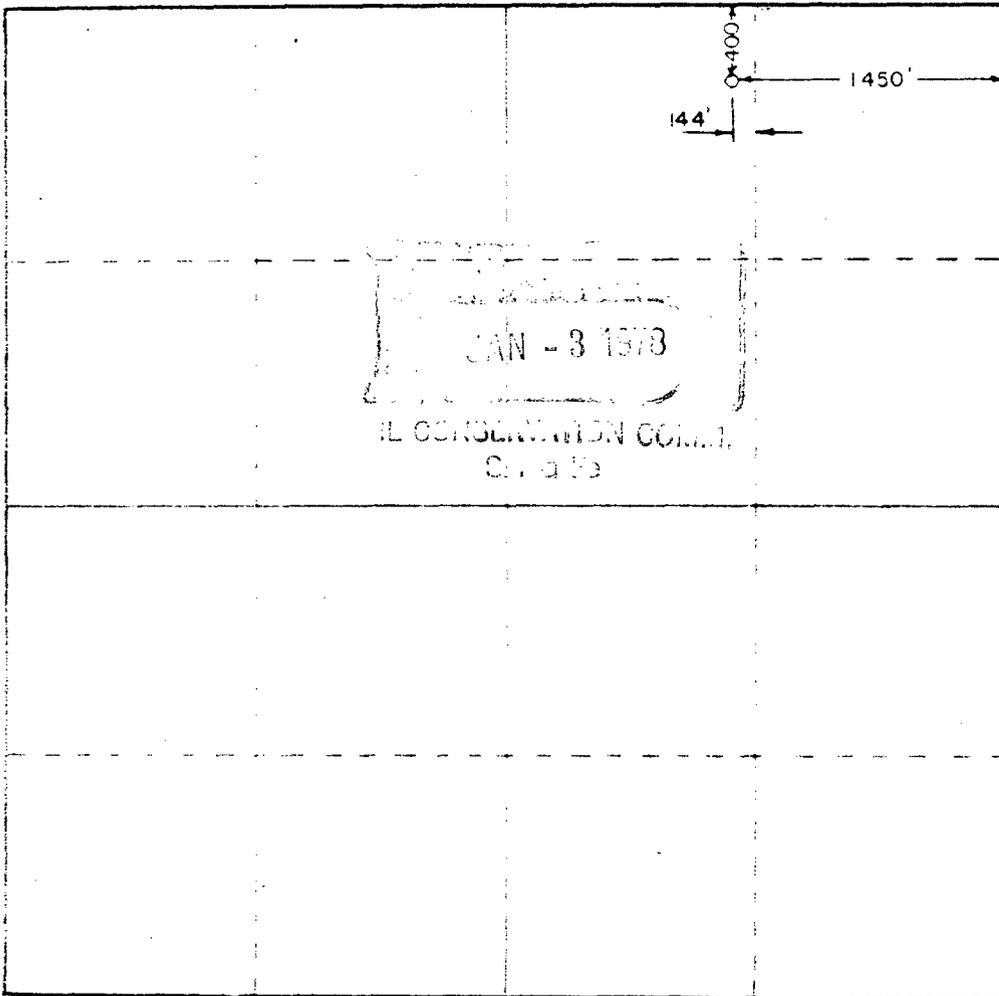
Atlantic Richfield Co.		Empire Aco Unit - M		151	
B	11	18 South	27 East	Eddy	
400	North	1450	East	Dedicated Acreage:	
3604.1			Area		

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes No If answer is "yes," type of consolidation 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

I. J. Natour

Operations Engineer

Atlantic Richfield Company

December 27, 1977

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

December 14, 1977

Date Surveyed

Registered Professional Engineer and Land Surveyor

John W. West

Certificate No.

676

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

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

Form C-102
Supersedes C-128
Effective 1-4-65

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

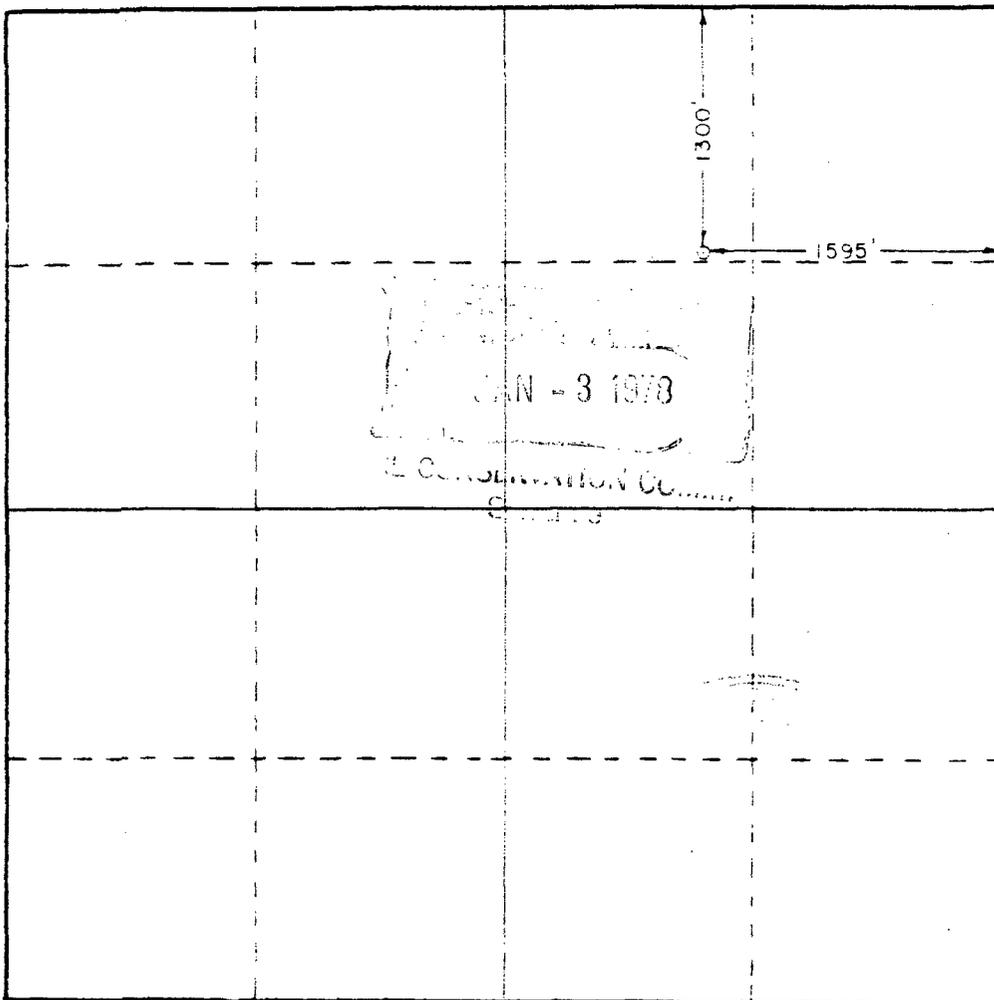
Operator Atlantic Richfield Co.		Lease Empire Abo Unit - 1			Acres 270
Unit Letter B	Section 5	Township 18 South	Range 28 East	County Eddy	
Actual Footage Location of Well:					
1300	feet from the	North	line and	1595	feet from the East line
Ground Level Elev. 3651.3	Producing Formation		Foot	Dedicated 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

December 27, 1977

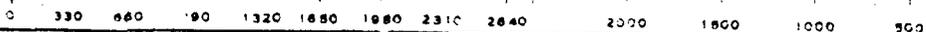
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

December 19, 1977

By the Surveyor

Registered Professional Engineer
in the State of New Mexico

John W. West
John W. West



PROPOSED PRODUCING WELL DIAGRAM

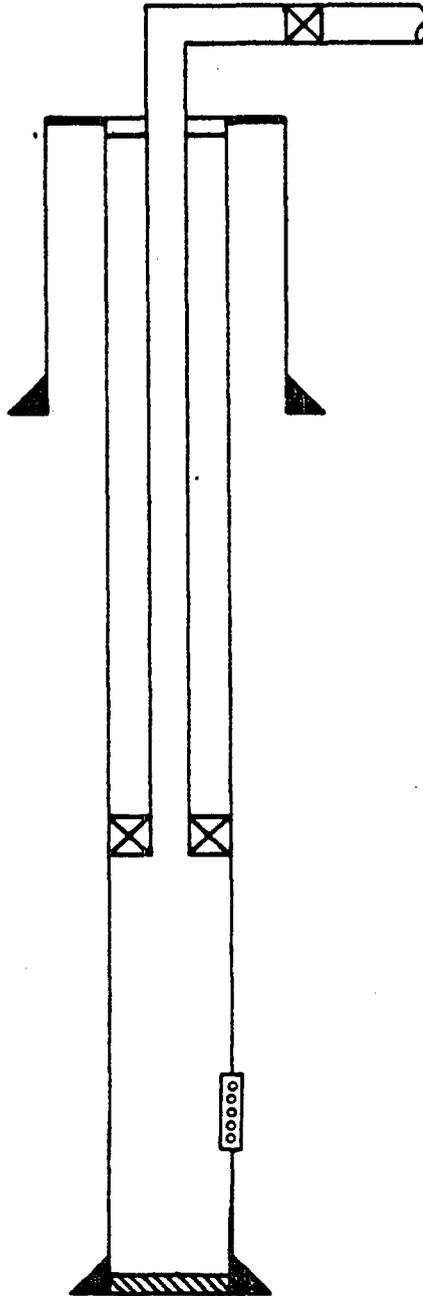
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well E-373
150' FNL & 15' FWL, Section 35, T-17S, R-28E

Eddy County, New Mexico

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

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



2-3/8" OD tubing

Pkr set @ approx. 5900'

Proposed perforations
between 5900-6275'

TD @ 6275'

PROPOSED PRODUCING WELL DIAGRAM

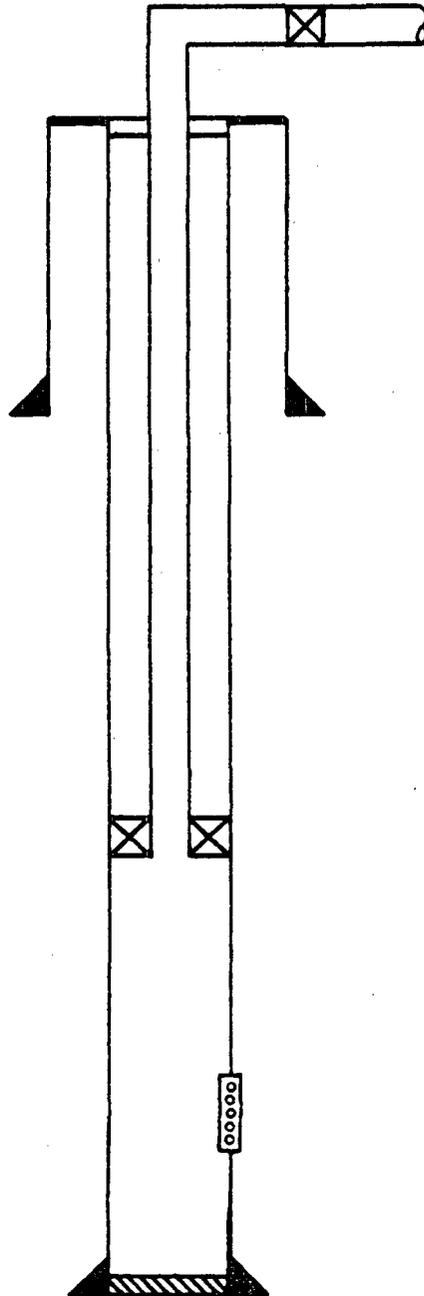
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well E-361
620' FNL & 1200' FEL, Section 34, T-17S, R-28E

Eddy County, New Mexico

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

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



2-3/8" OD tubing

Pkr set @ approx. 5900'

Proposed perforations
between 5900-6250'

TD @ 6250'

PROPOSED PRODUCING WELL DIAGRAM

ATLANTIC RICHFIELD COMPANY

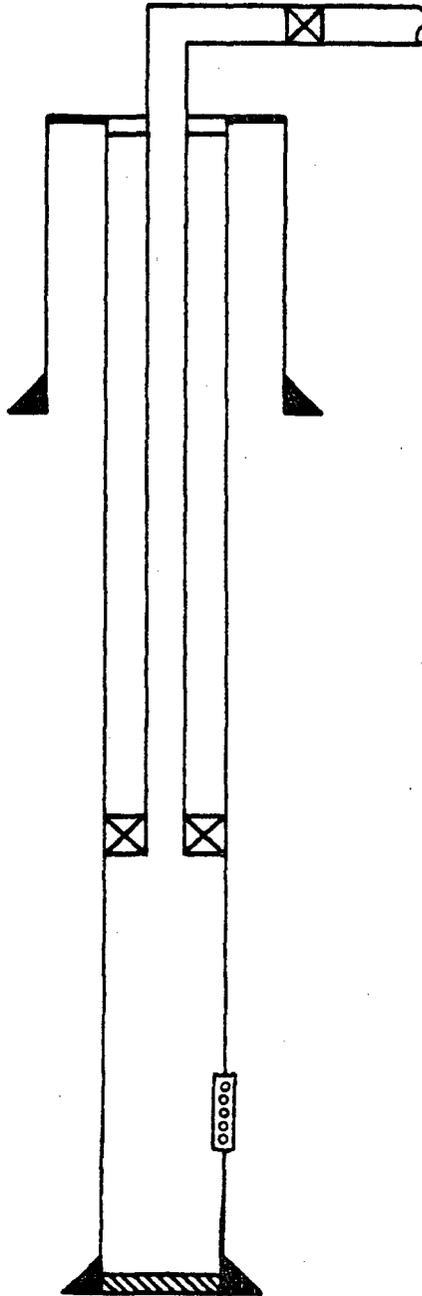
Empire Abo Unit Well E-351

610' FNL & 2601' FEL, Section 34, T-17S, R-28E

Eddy County, New Mexico

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

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



2-3/8" OD tubing

Pkr set @ approx. 5900'

Proposed perforations
between 5900-6250'

TD @ 6250'

PROPOSED PRODUCING WELL DIAGRAM

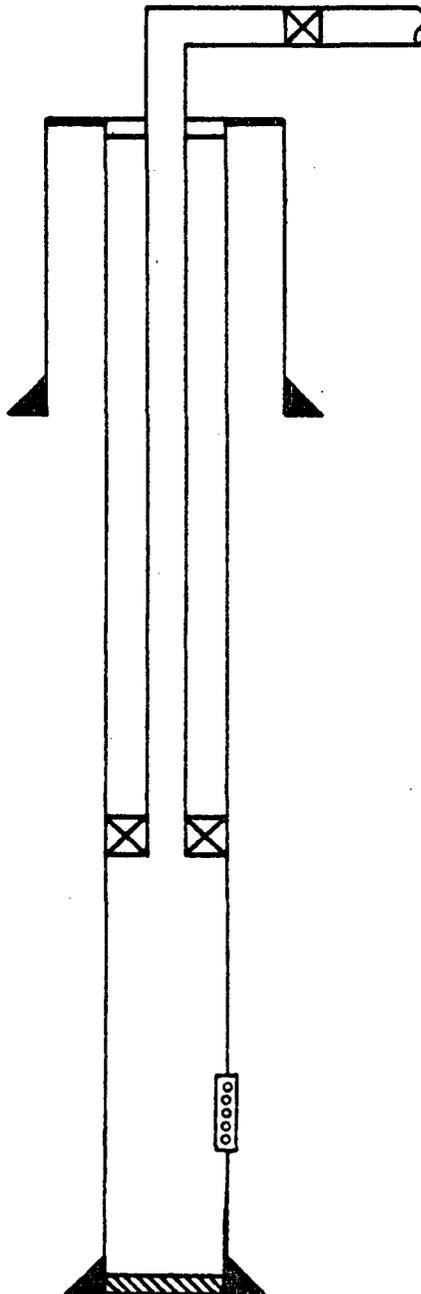
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well F-321

1610' FNL & 250' FEL, Section 33, T-17S, R-28E
Eddy County, New Mexico

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

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



2-3/8" OD tubing

Pkr set @ approx. 5800'

Proposed perforations
between 5850-6200'

TD @ 6200'

PROPOSED PRODUCING WELL DIAGRAM

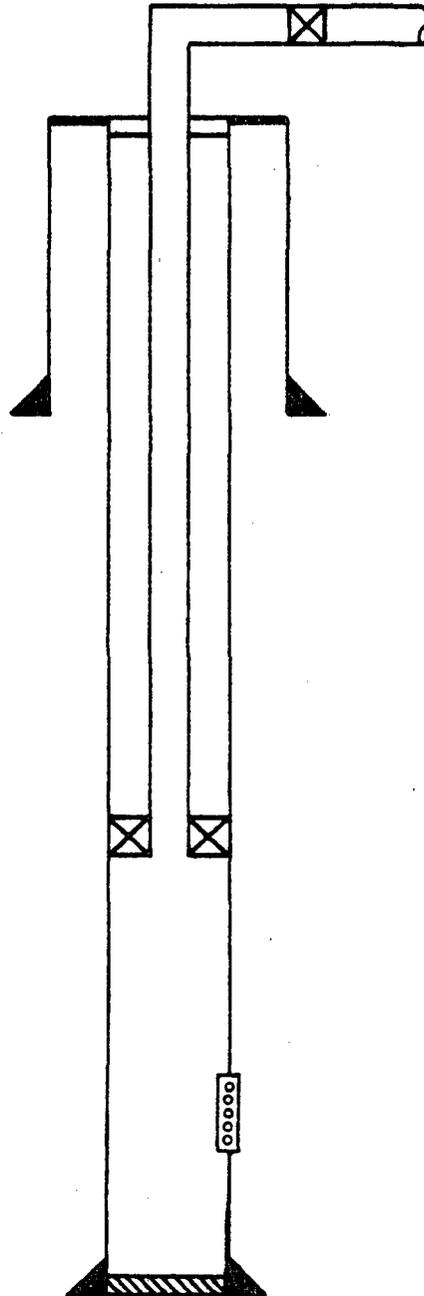
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well G-322

2350' FSL & 1100' FEL, Section 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. 5800'

Proposed perforations
between 5800-6350'

TD @ 6350'

PROPOSED PRODUCING WELL DIAGRAM

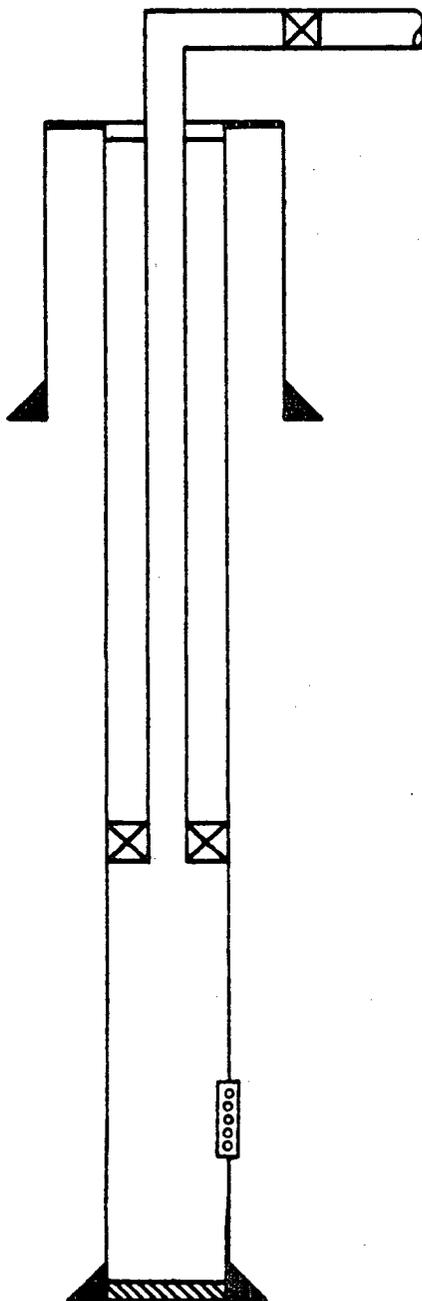
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well E-341

660' FNL & 1560' FWL, Section 34, T-17S, R-28E
Eddy County, New Mexico

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

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



2-3/8" OD tubing

Pkr set @ approx. 5900'

Proposed perforations
between 5900-6200'

TD @ 6200'

PROPOSED PRODUCING WELL DIAGRAM

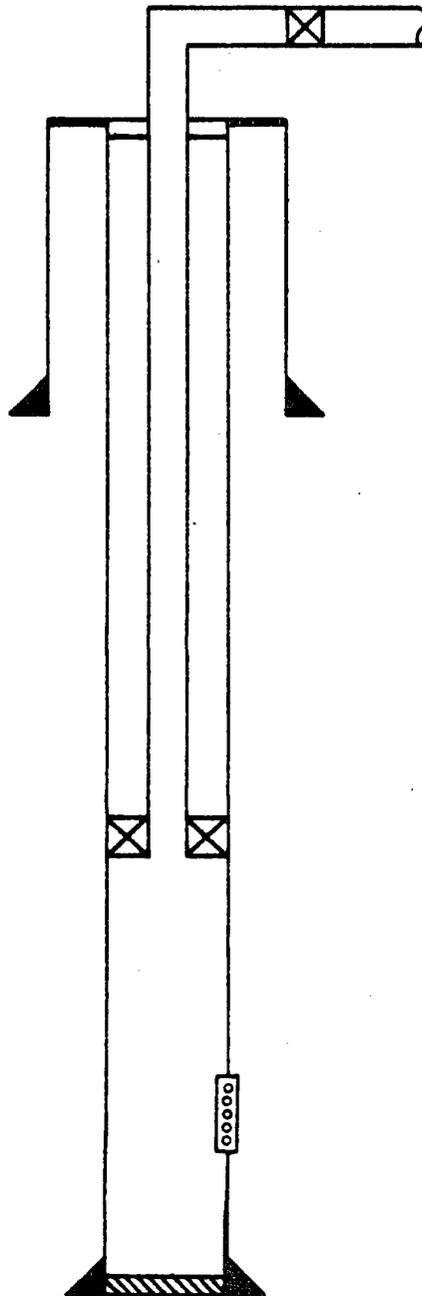
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well I-272

1300' FNL & 2345' FEL, Section 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. 6000'

Proposed perforations
between 6000-6350'

TD @ 6350'

PROPOSED PRODUCING WELL DIAGRAM

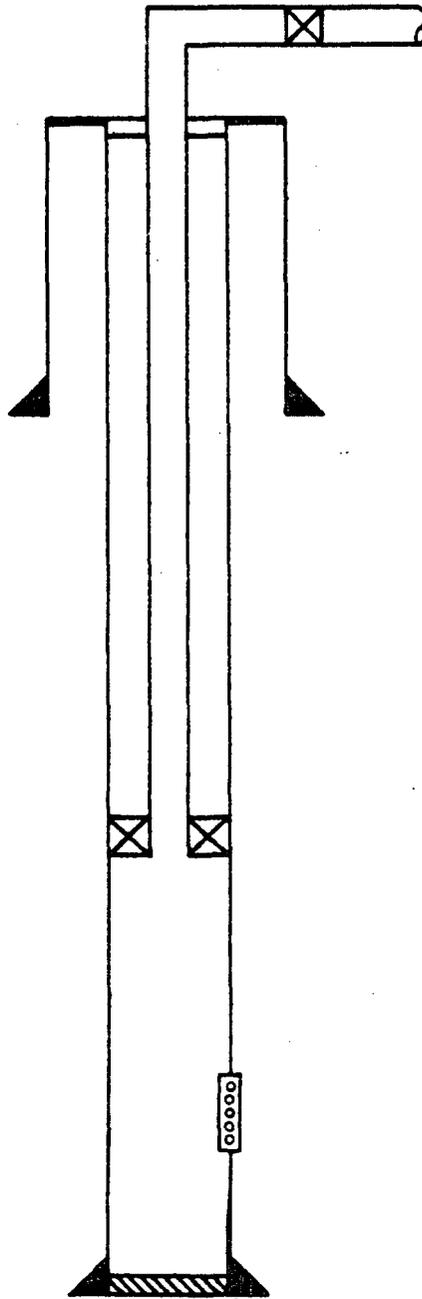
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well K-231

1700' FSL & 2350' FEL, Section 6, 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. 6100'

Proposed perforations
between 6100-6350'

TD @ 6350'

PROPOSED PRODUCING WELL DIAGRAM

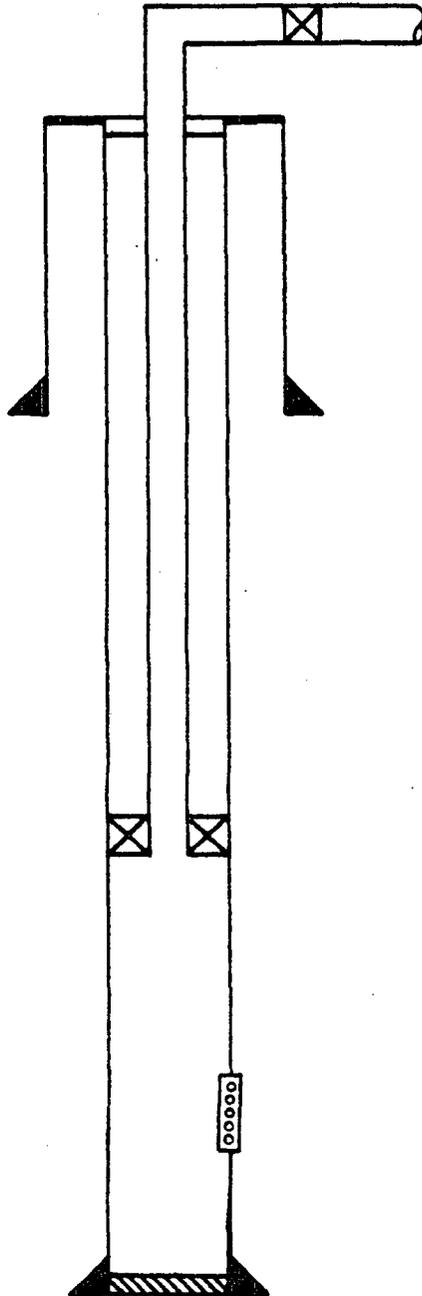
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well M-152

560' FNL & 2588' FEL, Section 11, 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
between 6000-6300'

TD @ 6300'

PROPOSED PRODUCING WELL DIAGRAM

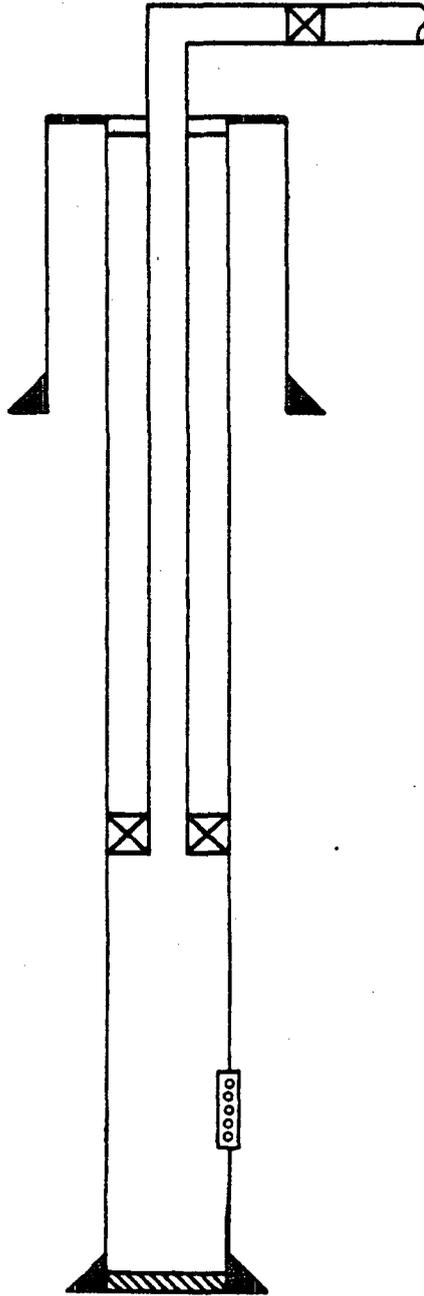
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well M-131

1100' FNL & 1200' FWL, Section 11, 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
between 6000-6300'

TD @
6300'

PROPOSED PRODUCING WELL DIAGRAM

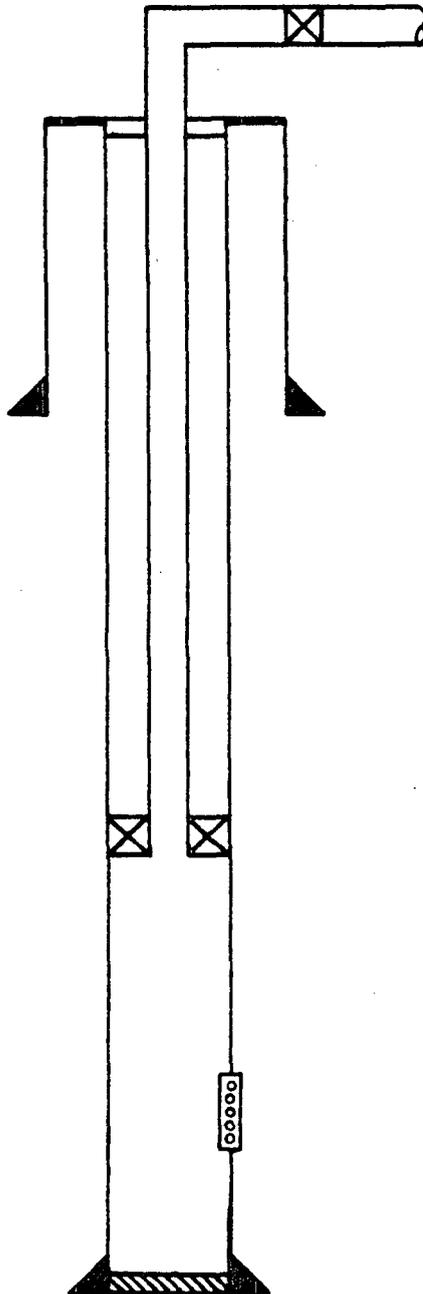
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well G-343

1500' FSL & 1820' FWL, Section 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. 6000'

Proposed perforations
between 6000-6370'

TD @ 6370'

PROPOSED PRODUCING WELL DIAGRAM

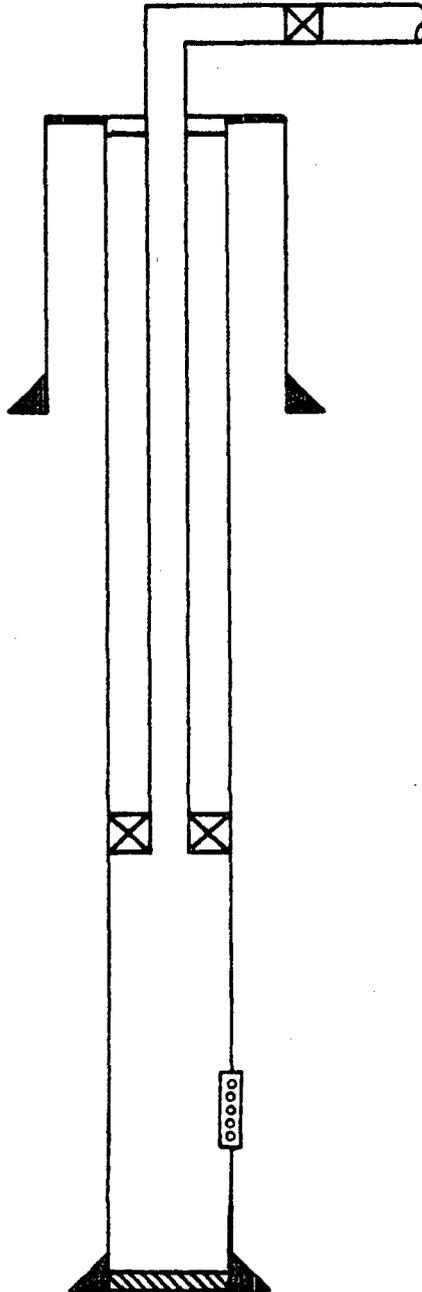
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well G-332

1575' FSL & 660' FWL, Section 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. 5900'

Proposed perforations
between 5900-6370'

TD @ 6370'

PROPOSED PRODUCING WELL DIAGRAM

ATLANTIC RICHFIELD COMPANY

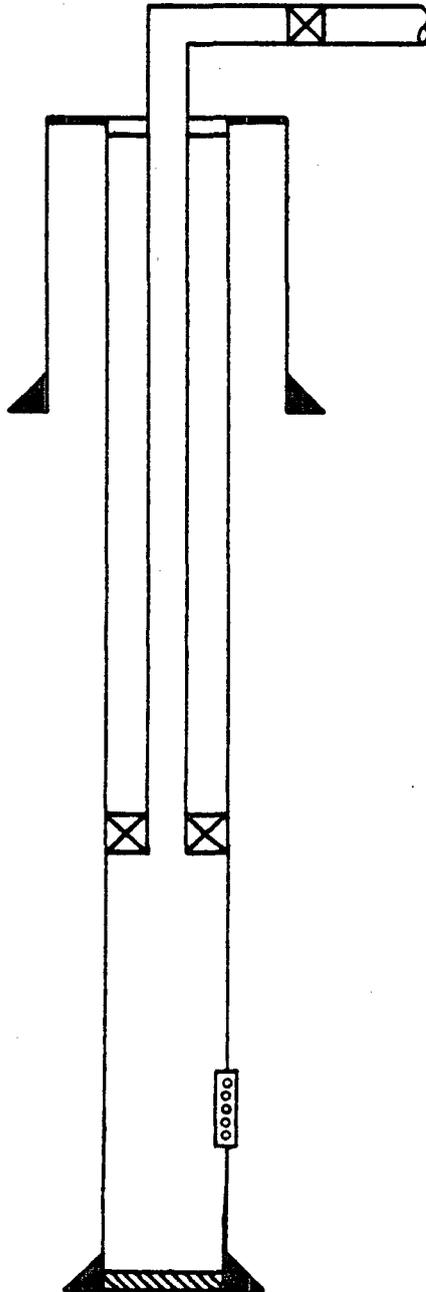
Empire Abo Unit Well G-323

1500' FSL & 700' FEL, Section 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. 5900'

Proposed perforations
between 5900-6370'

TD @ 6370'

PROPOSED PRODUCING WELL DIAGRAM

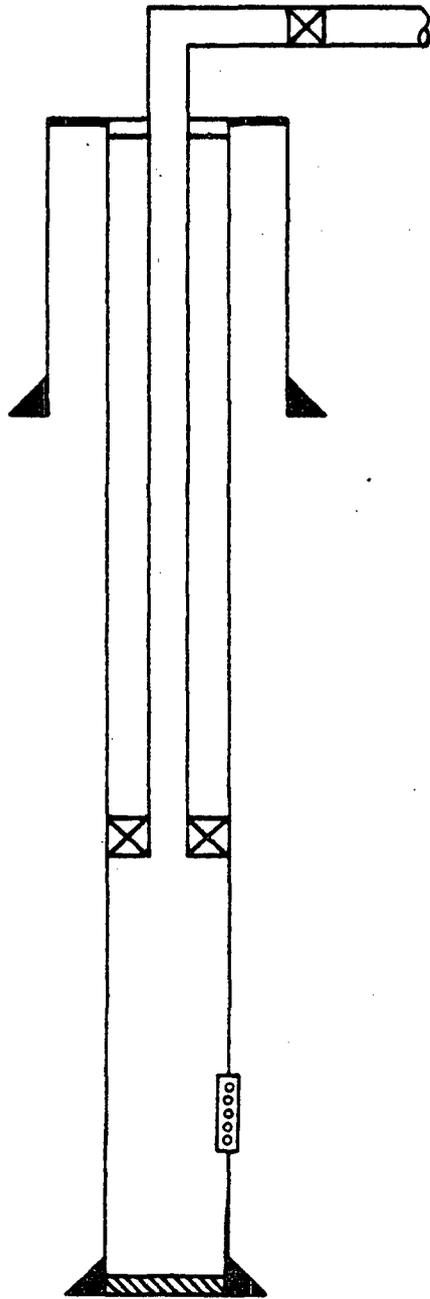
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well H-331

1000' FSL & 1200' FWL, Section 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. 6000'

Proposed perforations
between 6000-6370'

TD @ 6370'

PROPOSED PRODUCING WELL DIAGRAM

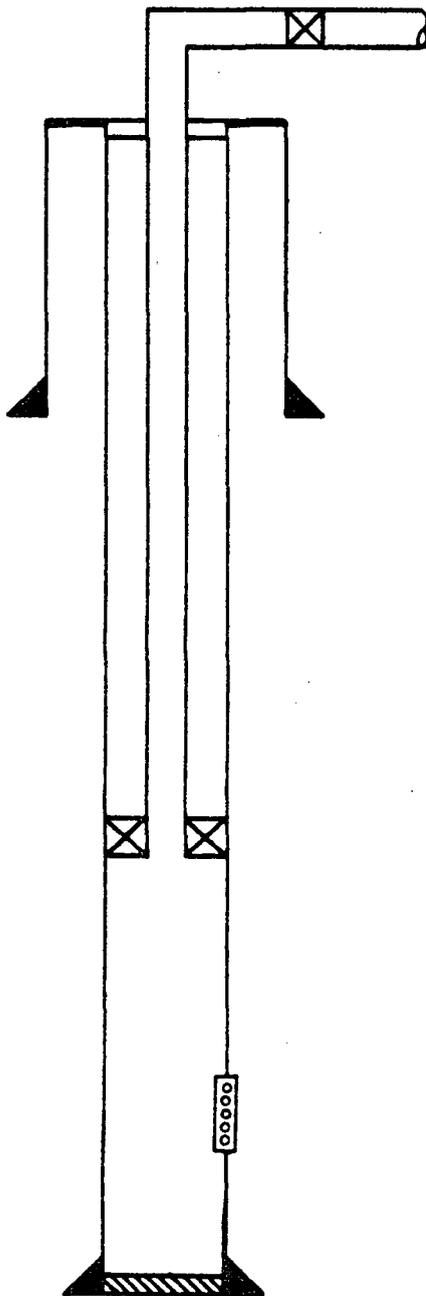
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well H-321

1050' FSL & 250' FEL, Section 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. 6000'

Proposed perforations
between 6000-6370'

TD @ 6370'

PROPOSED PRODUCING WELL DIAGRAM

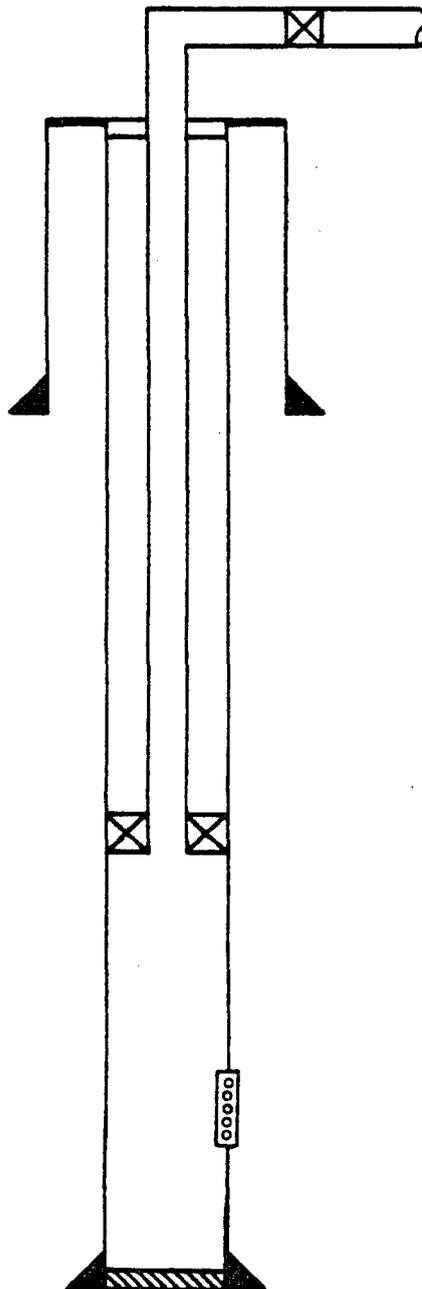
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well H-322

750' FSL & 1150' FEL, Section 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. 5900'

Proposed perforations
between 5900-6370'

TD @ 6370'

PROPOSED PRODUCING WELL DIAGRAM

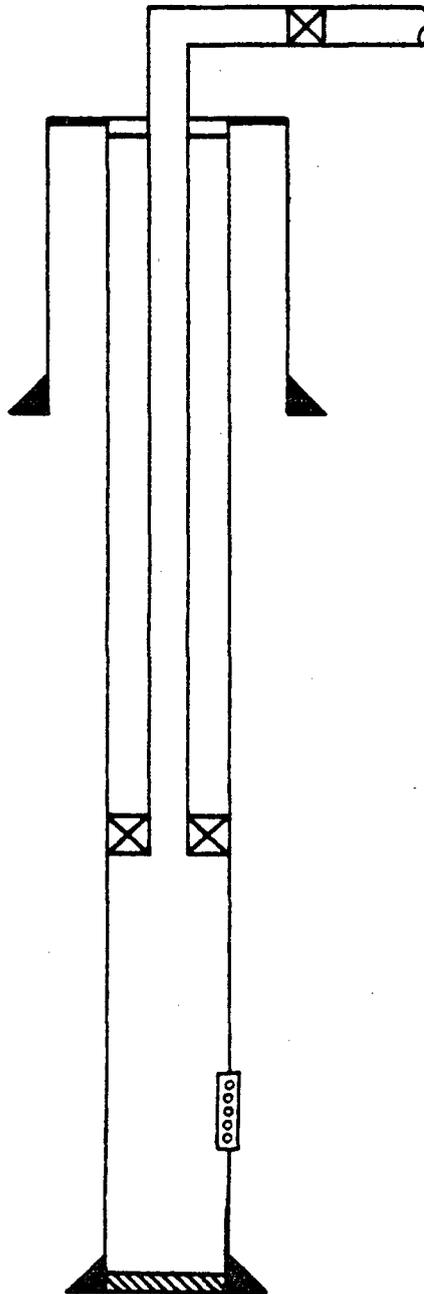
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well H-301

150' FSL & 1650' FWL, Section 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. 5900'

Proposed perforations
between 5900-6370'

TD @ 6370'

PROPOSED PRODUCING WELL DIAGRAM

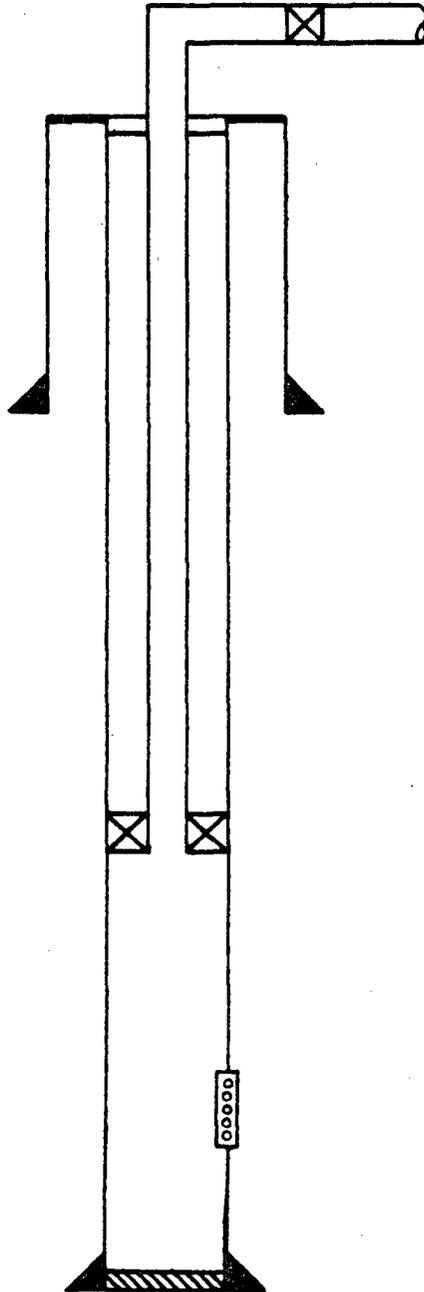
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well I-282

1150' FNL & 1270' FEL, Section 5, T-18S, R-28E
Eddy County, New Mexico

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

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



2-3/8" OD tubing

Pkr set @ approx. 6000'

Proposed perforations
between 6000-6370'

TD @ 6370'

PROPOSED PRODUCING WELL DIAGRAM

ATLANTIC RICHFIELD COMPANY

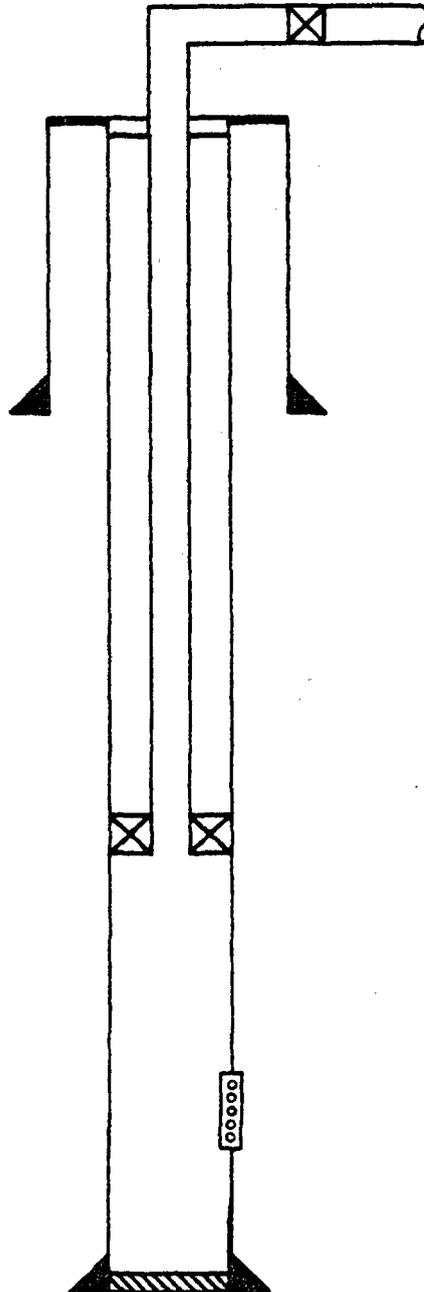
Empire Abo Unit Well J-233

2550' FNL & 2050' FEL, Section 6, T-18S, R-28E

Eddy County, New Mexico

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

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



2-3/8" OD tubing

Pkr set @ approx. 6000'

Proposed perforations
between 6000-6300'

TD @ 6300'

PROPOSED PRODUCING WELL DIAGRAM

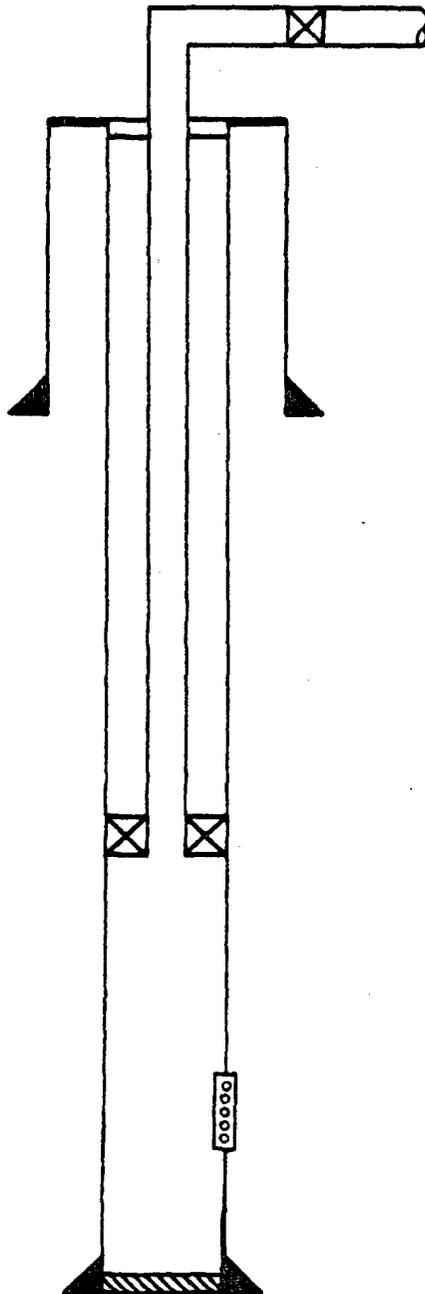
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well K-232

2300' FSL & 1570' FEL, Section 6, 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. 6100'

Proposed perforations
between 6100-6350'

TD @
6350'

PROPOSED PRODUCING WELL DIAGRAM

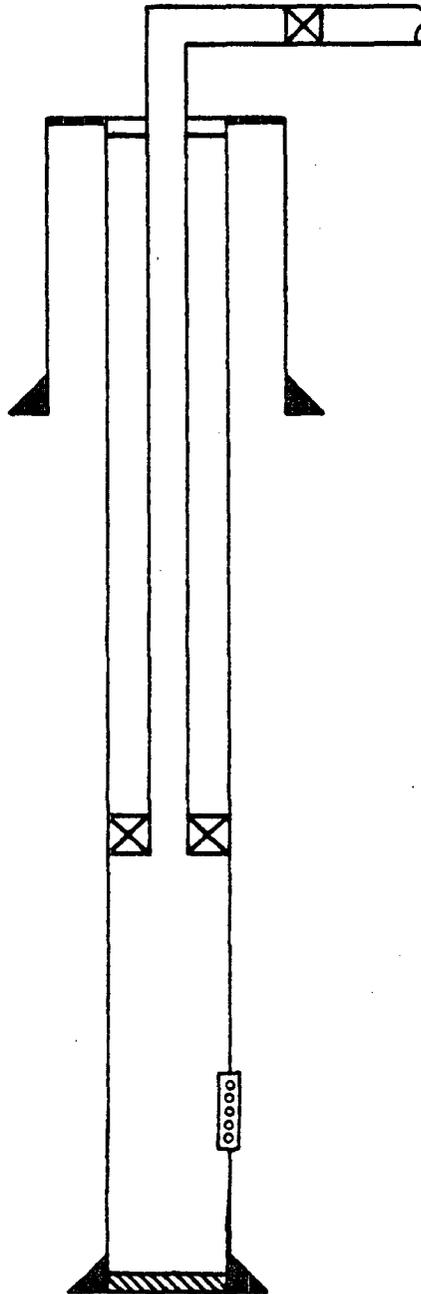
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well K-184

2120' FSL & 2465' FWL, Section 1, T-18S, R-27E
Eddy County, New Mexico

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

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



2-3/8" OD tubing

Pkr set @ approx. 5900'

Proposed perforations
between 5900-6250'

TD @ 6250'

PROPOSED PRODUCING WELL DIAGRAM

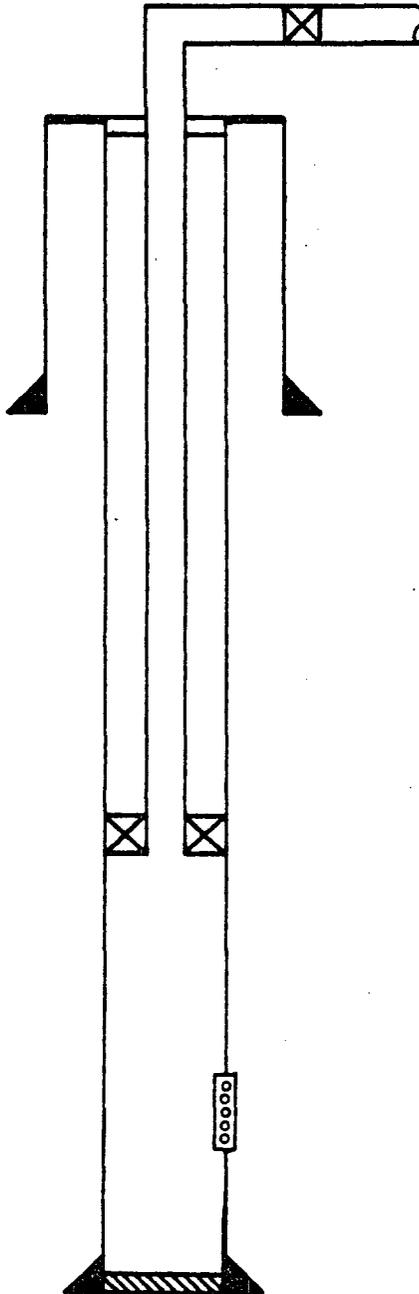
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well J-223

2630' FNL & 1930' FWL, Section 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
between 5700-6250'

TD @ 6250'

PROPOSED PRODUCING WELL DIAGRAM

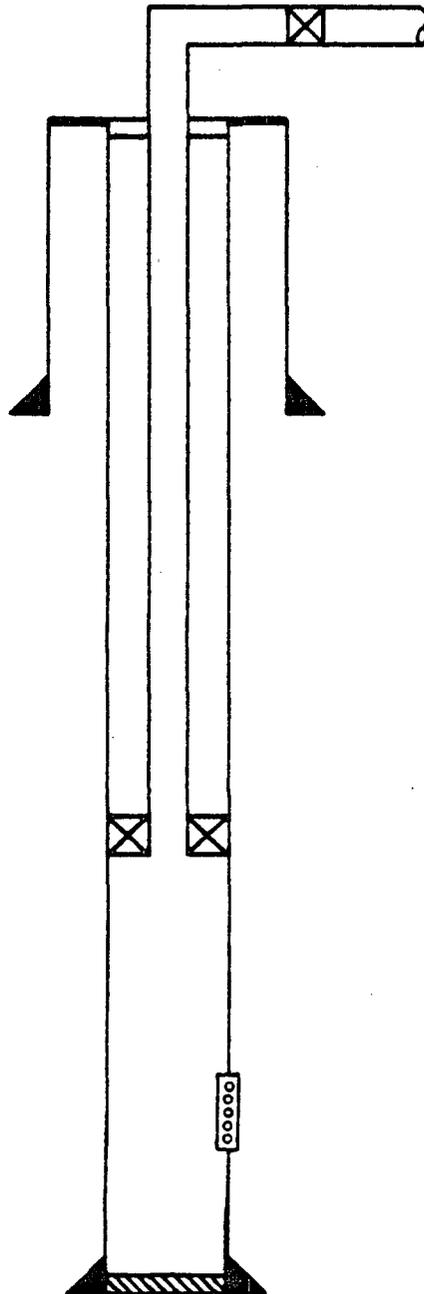
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well K-192

2020' FSL & 1390' FEL, Section 1, T-18S, R-27E
Eddy County, New Mexico

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

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



2-3/8" OD tubing

Pkr set @ approx. 6000'

Proposed perforations
between 6000-6250'

TD @ 6250'

PROPOSED PRODUCING WELL DIAGRAM

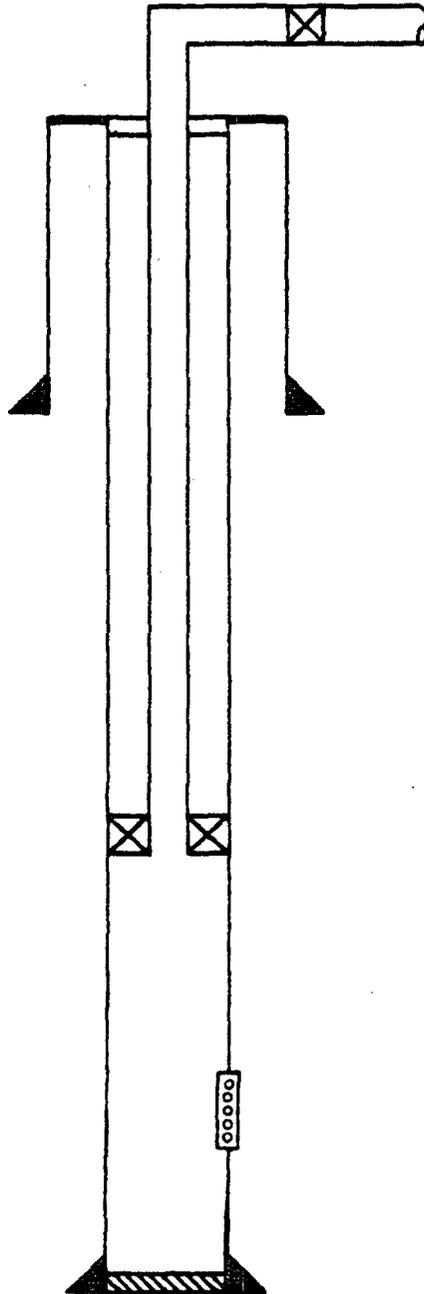
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well M-151

400' FNL & 1450' FEL, Section 11, 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. 6100'

Proposed perforations
between 6100-6300'

TD @ 6300'

PROPOSED PRODUCING WELL DIAGRAM

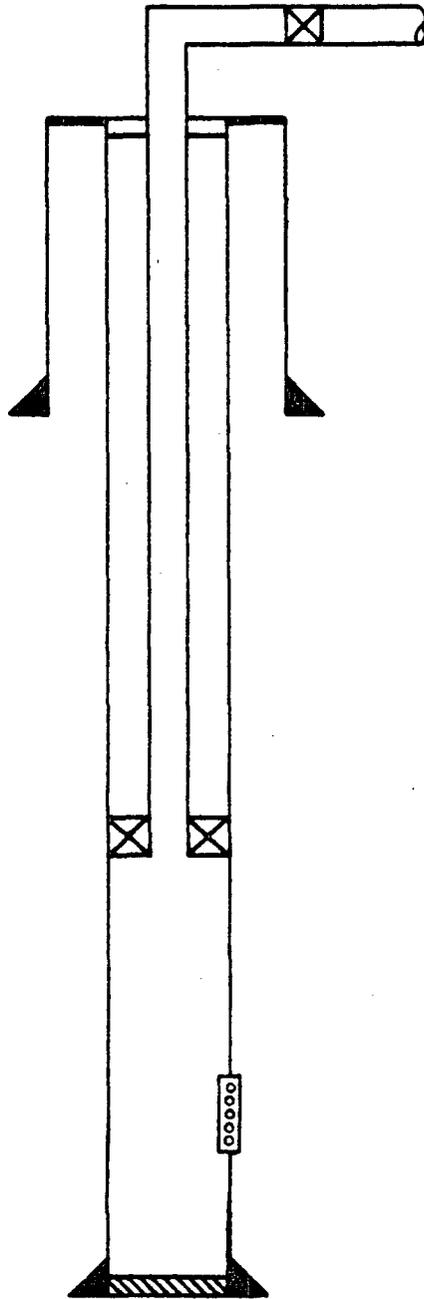
ATLANTIC RICHFIELD COMPANY

Empire Abo Unit Well I-273

1300' FNL & 1595' FEL, Section 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. 6000'

Proposed perforations
between 6000-6350'

TD @ 6350'