

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



June 30, 1977

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



NSL - 870
Rule 14(3) R 4549B

Attn: Mr. Joe Ramey

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

One July 26

Gentlemen:

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

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

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

Very truly yours,

J. L. Tweed

J. L. Tweed

WWC/agp

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

660' outer boundary
10' 1/4

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

Eddy Co.



June 30, 1977

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

Attn: Mr. Joe Ramey

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

Gentlemen:

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

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

Very truly yours,

J. L. Tweed

WWC/agp

Enc.

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

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

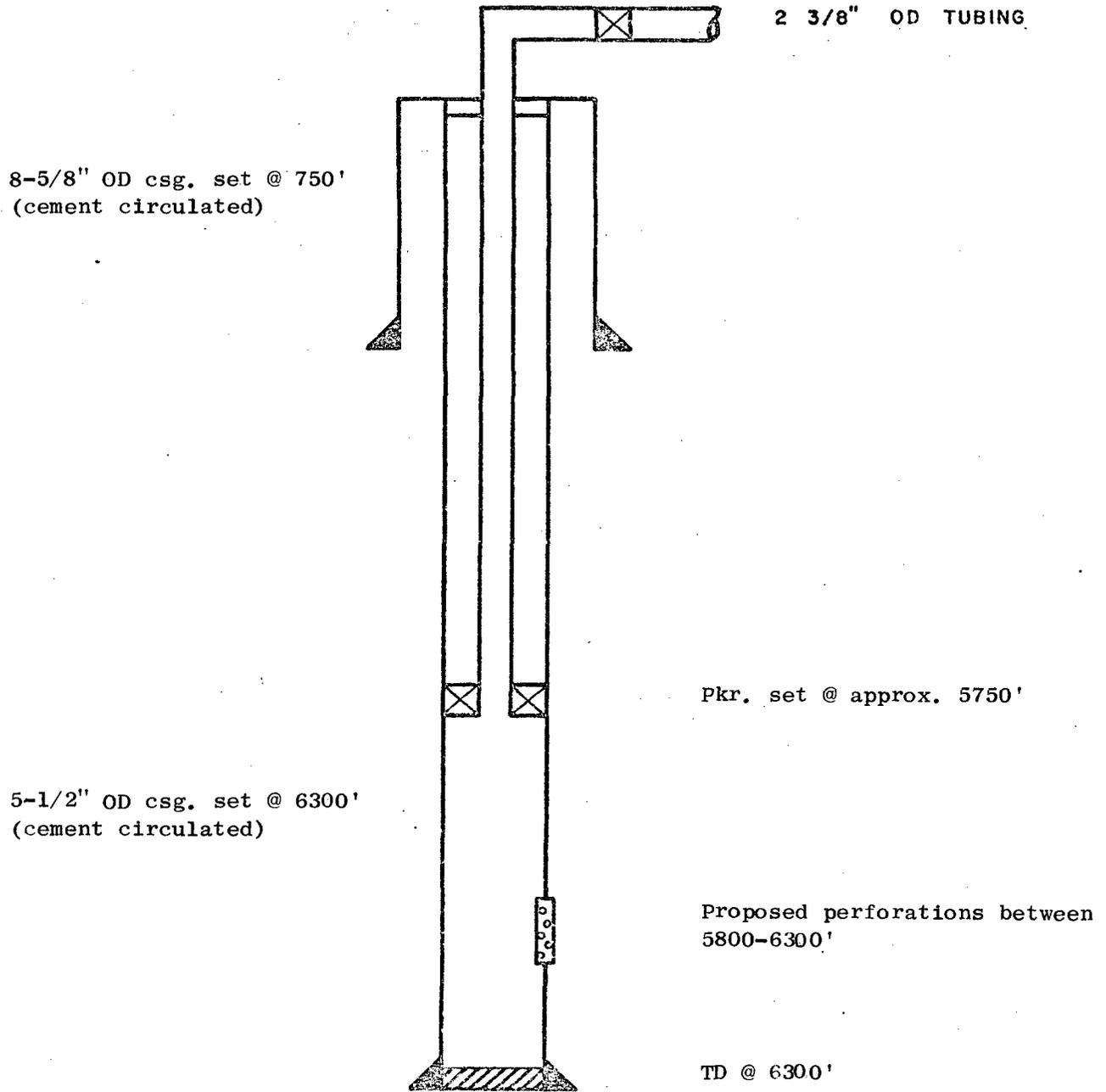
ATLANTIC RICHFIELD COMPANY
Empire Abo Unit
Eddy County, New Mexico

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

EXHIBIT 3

PROPOSED PRODUCING WELL DIAGRAM

ATLANTIC RICHFIELD COMPANY
EMPIRE ABO UNIT F-333
1602' FNL & 1286' FWL, Sec. 34, T-17S, R-28E
Eddy County, New Mexico



NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

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

All distances must be from the outer boundaries of the Section

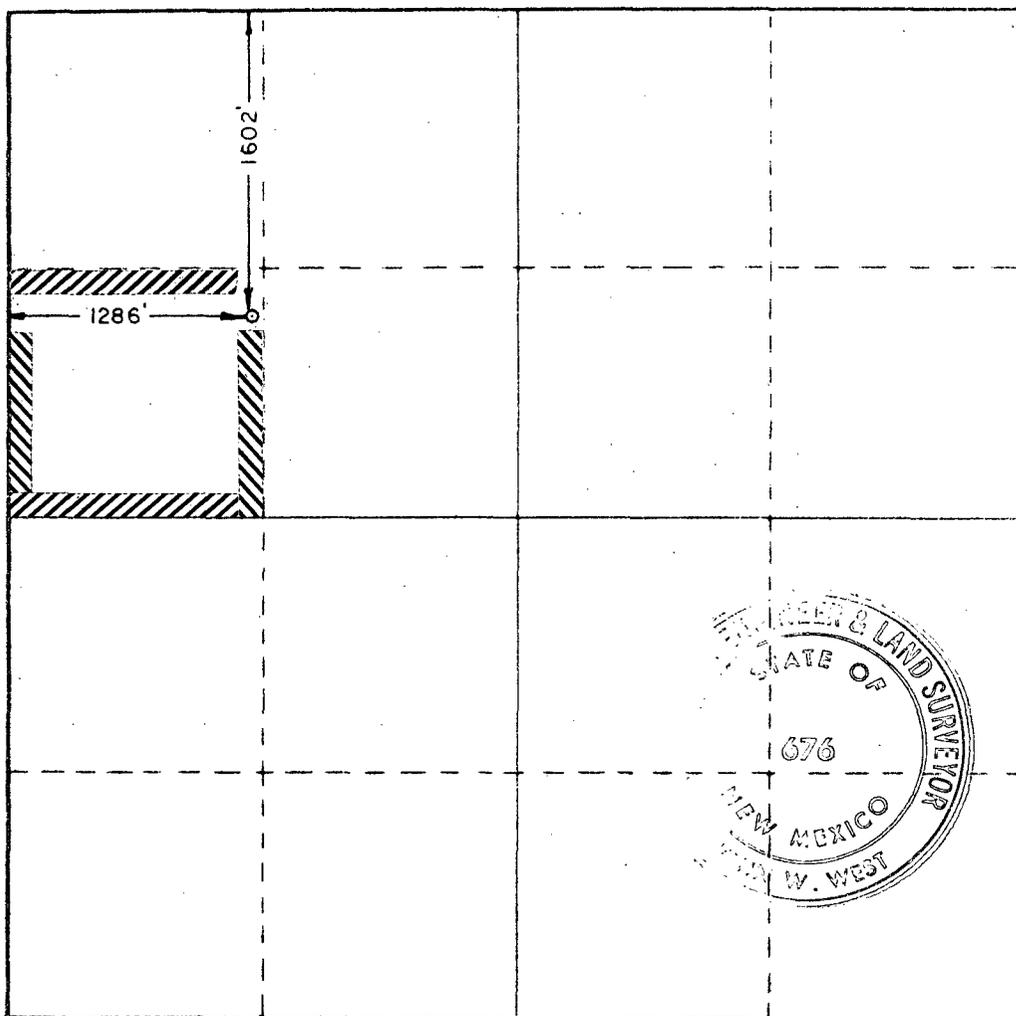
Operator Atlantic Richfield Co.		Lease Empire Abo Unit F			Well No. 333
Unit Letter E	Section 34	Township 17 South	Range 28 East	County Eddy	
Actual Footage Location of Well: 1286 feet from the West line and 1602 feet from the North line					
Ground Level Elev. 3672.7	Producing Formation Abo Reef		Pool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

Woodrow Coleman
Name

Woodrow Coleman
Position

Operations Engineer
Company

Atlantic Richfield Company
Date

June 28, 1977

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

Date Surveyed

June 23, 1977

Registered Professional Engineer and/or Land Surveyor

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



**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.

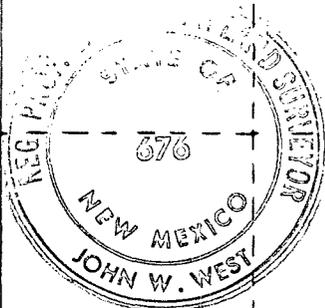
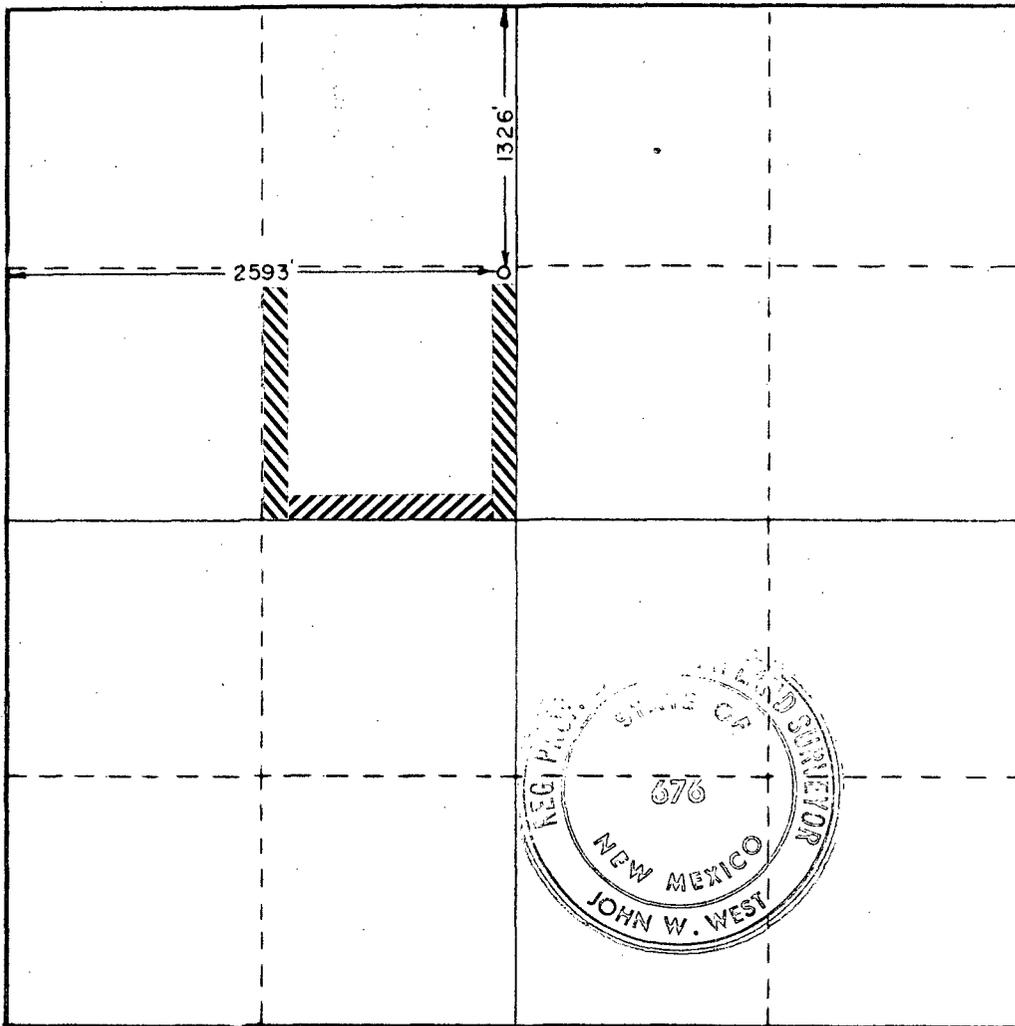
Operator Atlantic Richfield Co.		Lease Empire Abo Unit F			Well No. 341
Unit Letter F	Section 34	Township 17 South	Range 28 East	County Eddy	
Actual Footage Location of Well: 1326 feet from the North line and 2593 feet from the West line					
Ground Level Elev. 3673.0	Producing Formation Abo Reef	Pool Empire Abo			Dedicated Acreage: 40 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.

Woodrow Coleman
Name

Woodrow Coleman
Position

Operations Engineer
Company

Atlantic Richfield Company
Date

June 28, 1977

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Date Surveyed

June 23, 1977

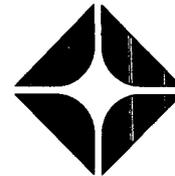
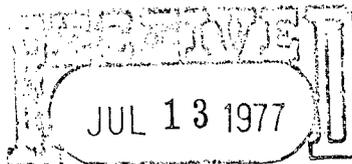
Registered Professional Engineer and/or Land Surveyor

John W. West
Certificate No.

676



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



July 11, 1977

OIL CONSERVATION COMM.
Santa Fe

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

Attn: Mr. Capitano

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

Gentlemen:

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

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

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

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

Very truly yours,

J. L. Tweed

WC/ad

WELL LOCATION AND ACREAGE DEDICATION PLAT

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. 341
Unit Letter F	Section 34	Township 17 South	Range 28 East	County CONSERVATION COMM. Eddy	

Actual Footage Location of Well:

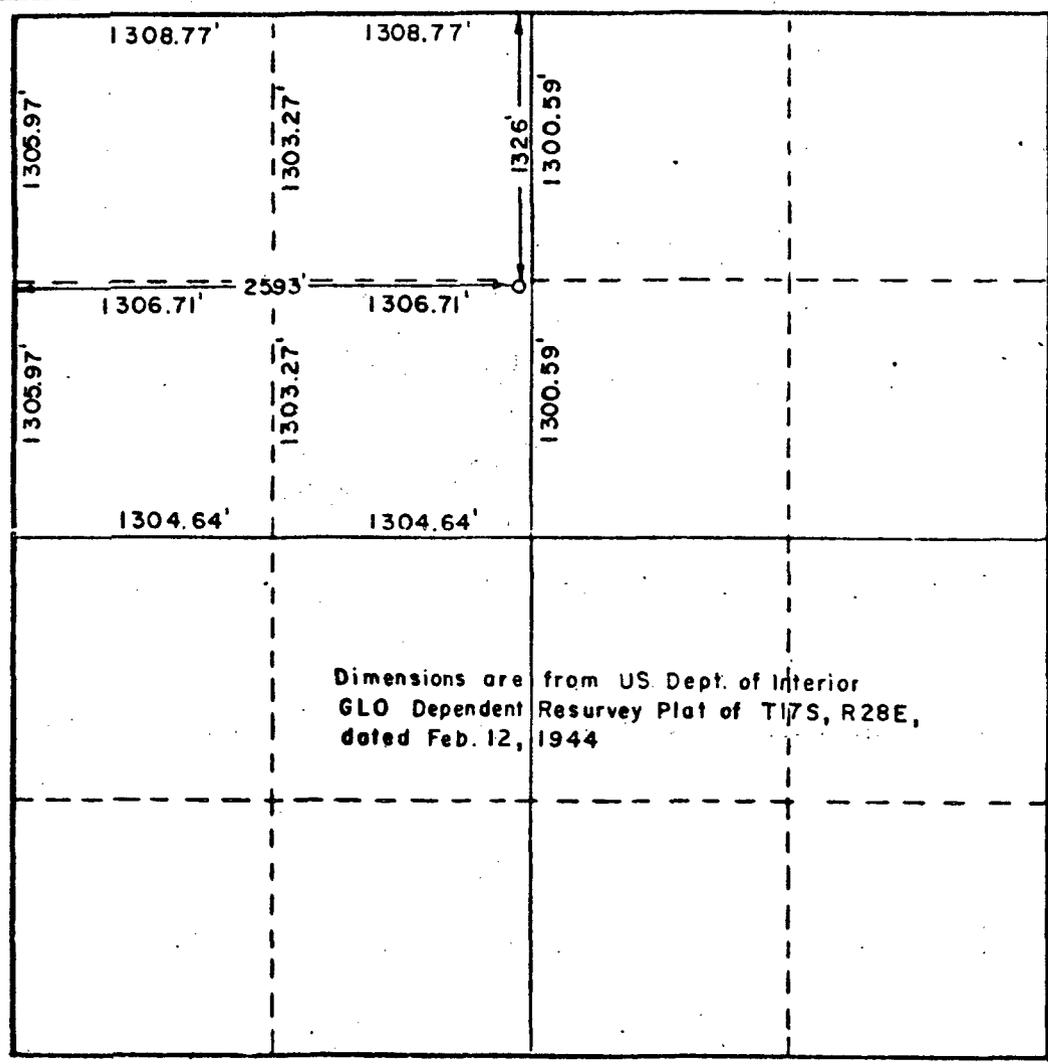
1326 feet from the **North** line and **2593** feet from the **West** line

Ground Level Elev. 3673.0	Producing Formation Abo Reef	Pool Empire Abo	Dedicated Acreage: 40 Acres
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1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
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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.



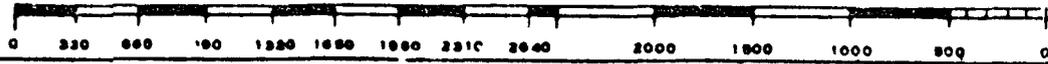
CERTIFICATION

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

Name Woodrow Coleman
Position Operations Engineer
Company Atlantic Richfield Company
Date July 11, 1977

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

Date Surveyed June 23, 1977
Registered Professional Engineer and/or Land Surveyor <i>John W. West</i>
Certificate No. 676

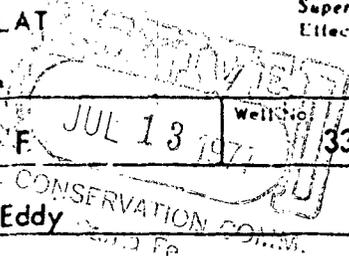


NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-12A
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. 333
Unit Letter E	Section 34	Township 17 South	Range 28 East	County Eddy
Actual Footage Location of Well: 1286 feet from the West line and 1602 feet from the North line				
Ground Level Elev. 3672.7	Producing Formation Abo Reef	Pool Empire Abo	Dedicated Acreage: 40 Acres	

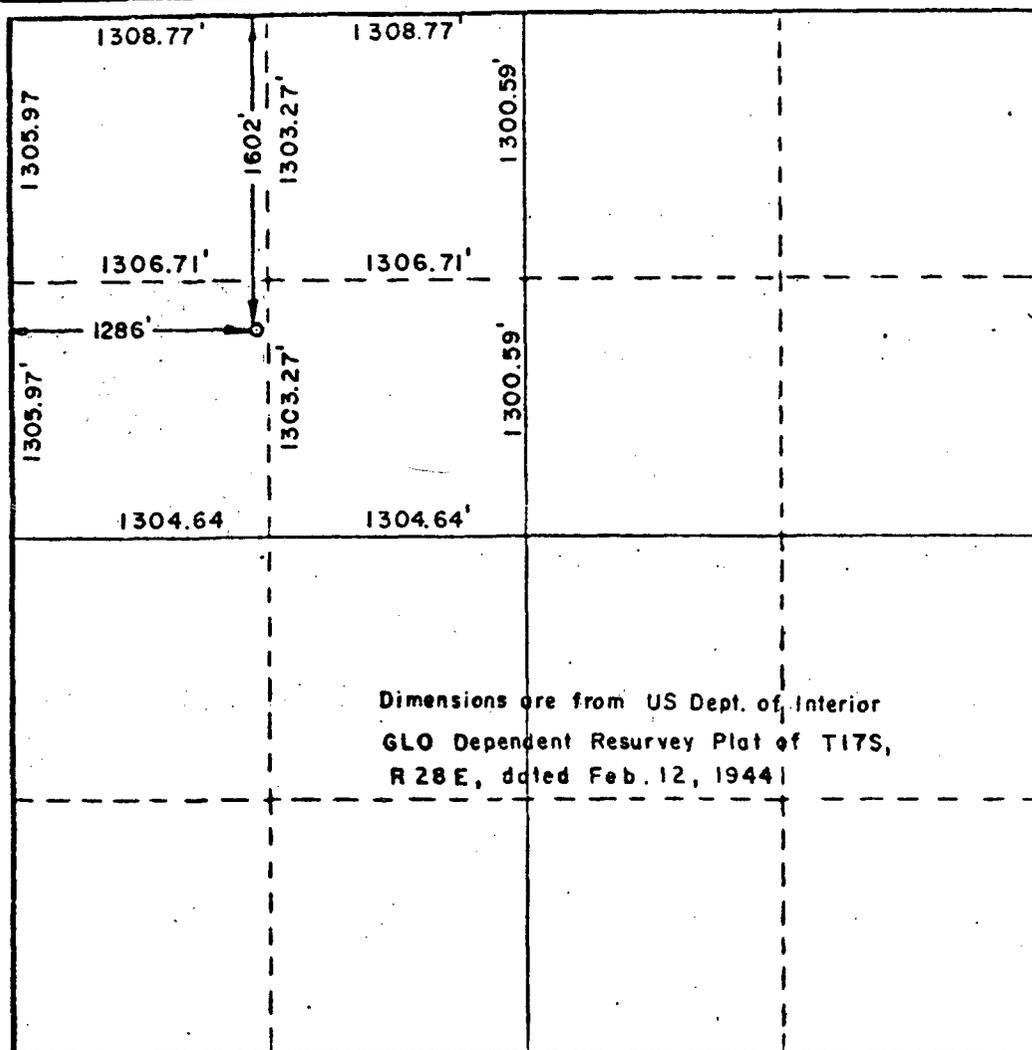


1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
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3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, 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.



Dimensions are from US Dept. of Interior
GLO Dependent Resurvey Plat of T17S,
R 28 E, dated Feb. 12, 1944

CERTIFICATION

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

Name
Woodrow Coleman

Position
Operations Engineer

Company
Atlantic Richfield Company

Date
July 11, 1977

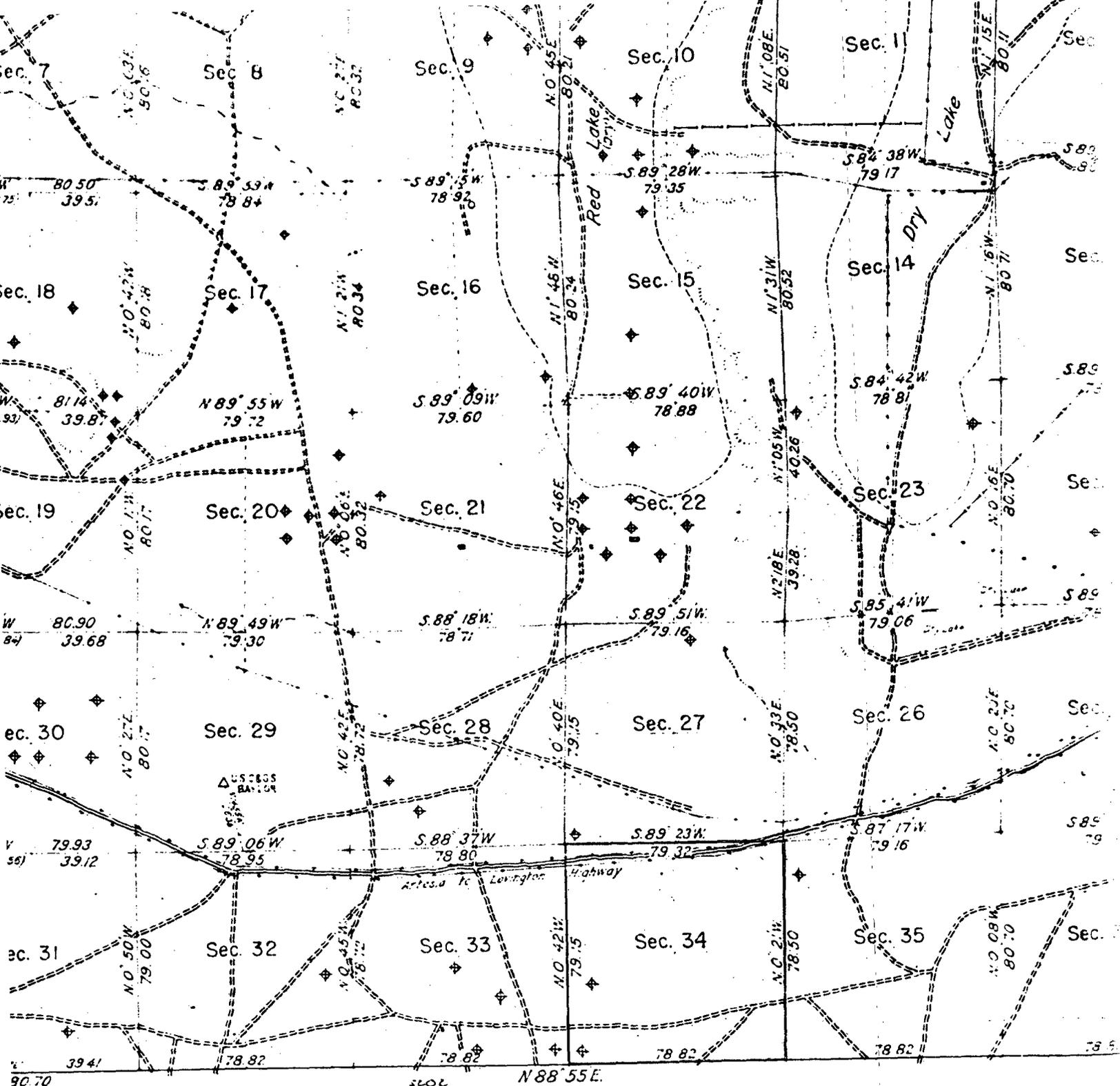
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
June 23, 1977

Registered Professional Engineer
and/or Land Surveyor

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





1 20 40 80

1 INCH EQUALS 40 CHAINS. AREA RESURVEYED, 23131.92 ACRES.

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

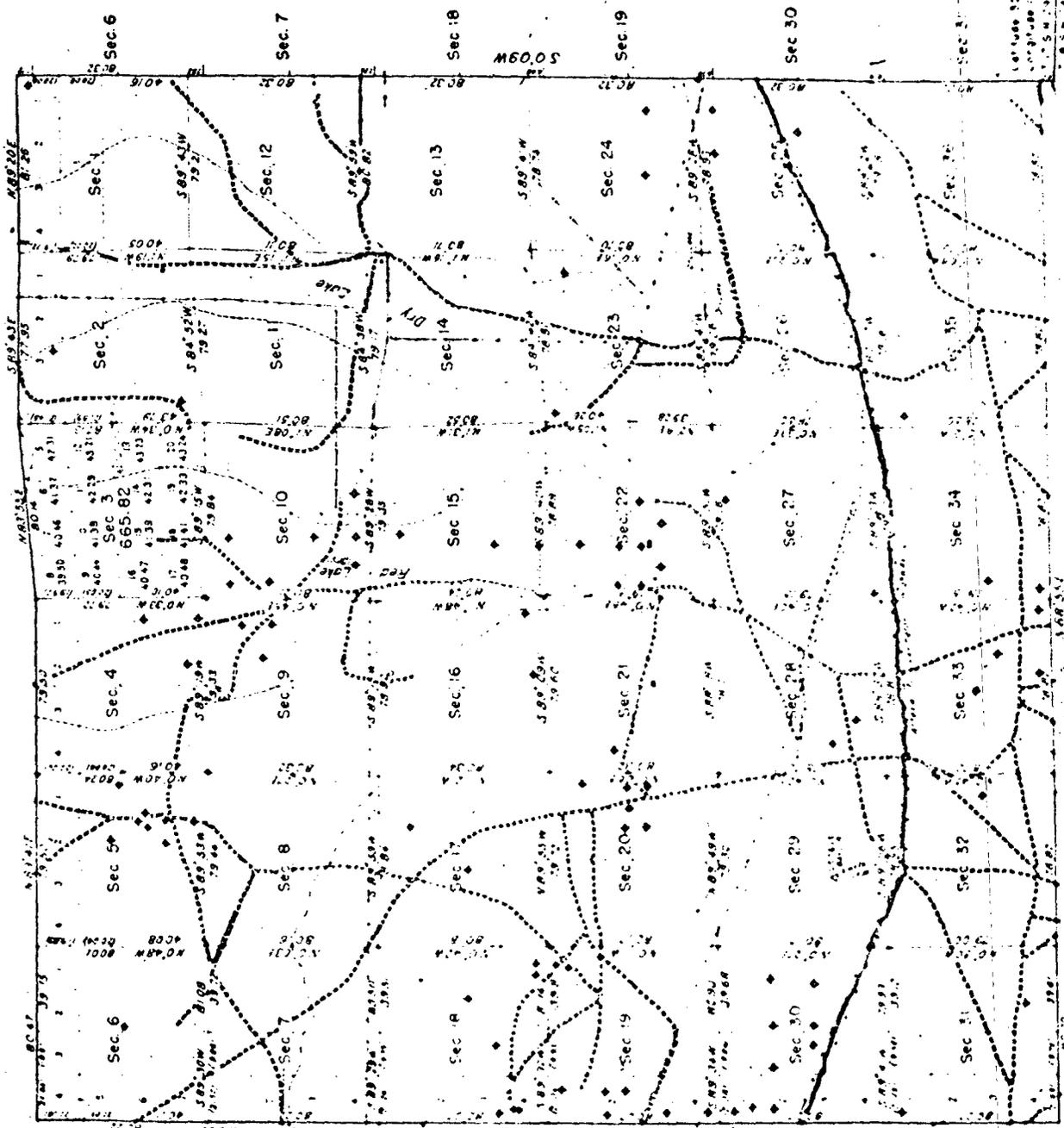
DENVER, COLORADO, FEBRUARY 12, 1944
 THIS PLAT OF TOWNSHIP NO. 17 SOUTH, RANGE 28 EAST, OF THE NEW MEXICO PRINCIPAL MERIDIAN, NEW MEXICO, IS STRICTLY CONFORMABLE TO THE FIELD NOTES OF THE SURVEY THEREOF WHICH HAVE BEEN EXAMINED AND APPROVED.

Diana Johnson
 SURVEYOR OF SURVEY

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

T17S - R28E - R

ent Resurvey



THIS PLAN OF THE DEPARTMENT OF THE INTERIOR OF THE UNITED STATES, RANGE NO. 28 EAST, TOWNSHIP NO. 17 SOUTH, RANGE NO. 28 EAST, DECLARED A PUBLIC LAND AND RESURVEYED BY THE COMMISSIONER OF THE GENERAL LAND OFFICE, AS SHOWN ON THE PLAN APPROVED BY THE COMMISSIONER OF THE GENERAL LAND OFFICE, IN 1893, IN THEIR ORIGINAL POSITIONS, ACCORDING TO THE BEST AVAILABLE EVIDENCE OF THE SURVEY OF THE ORIGINAL COORDINATES. ALL DIFFERENCES BETWEEN THE PRESENT SURVEY AND THE ORIGINAL PLAN AND THE ORIGINAL COORDINATES HAVE BEEN CORRECTED TO THE ORIGINAL PLAN AND THE ORIGINAL COORDINATES, EXCEPT FOR THE AREAS AND DISTANCES SET FORTH IN THIS PLAN, WHICH HAVE BEEN CORRECTED TO THE ORIGINAL PLAN AND THE ORIGINAL COORDINATES, EXCEPT FOR THE AREAS WHICH ARE SHOWN HEREON.

REVISION AUTHORIZED BY COMMISSIONER'S LETTERS DATED DECEMBER 31, 1902 AND JANUARY 1, 1903.

UNITED STATES DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

NEED MAGNETIC DECLINATION, 1898	SCALE (INCH=EQUALS 40 CHAINS)	AREA RESURVEYED, 2553.97 ACRES
UNLESS DESIGNATED	GROUP	DATE OF WHEN SURVEYED
SECTION 18	SECTION 19	SECTION 20
SECTION 21	SECTION 22	SECTION 23
SECTION 24	SECTION 25	SECTION 26
SECTION 27	SECTION 28	SECTION 29
SECTION 30	SECTION 31	SECTION 32
SECTION 33	SECTION 34	SECTION 35
SECTION 36	SECTION 37	SECTION 38
SECTION 39	SECTION 40	SECTION 41
SECTION 42	SECTION 43	SECTION 44
SECTION 45	SECTION 46	SECTION 47
SECTION 48	SECTION 49	SECTION 50
SECTION 51	SECTION 52	SECTION 53
SECTION 54	SECTION 55	SECTION 56
SECTION 57	SECTION 58	SECTION 59
SECTION 60	SECTION 61	SECTION 62
SECTION 63	SECTION 64	SECTION 65
SECTION 66	SECTION 67	SECTION 68
SECTION 69	SECTION 70	SECTION 71
SECTION 72	SECTION 73	SECTION 74
SECTION 75	SECTION 76	SECTION 77
SECTION 78	SECTION 79	SECTION 80
SECTION 81	SECTION 82	SECTION 83
SECTION 84	SECTION 85	SECTION 86
SECTION 87	SECTION 88	SECTION 89
SECTION 90	SECTION 91	SECTION 92
SECTION 93	SECTION 94	SECTION 95
SECTION 96	SECTION 97	SECTION 98
SECTION 99	SECTION 100	SECTION 101
SECTION 102	SECTION 103	SECTION 104
SECTION 105	SECTION 106	SECTION 107
SECTION 108	SECTION 109	SECTION 110
SECTION 111	SECTION 112	SECTION 113
SECTION 114	SECTION 115	SECTION 116
SECTION 117	SECTION 118	SECTION 119
SECTION 120	SECTION 121	SECTION 122
SECTION 123	SECTION 124	SECTION 125
SECTION 126	SECTION 127	SECTION 128
SECTION 129	SECTION 130	SECTION 131
SECTION 132	SECTION 133	SECTION 134
SECTION 135	SECTION 136	SECTION 137
SECTION 138	SECTION 139	SECTION 140
SECTION 141	SECTION 142	SECTION 143
SECTION 144	SECTION 145	SECTION 146
SECTION 147	SECTION 148	SECTION 149
SECTION 150	SECTION 151	SECTION 152
SECTION 153	SECTION 154	SECTION 155
SECTION 156	SECTION 157	SECTION 158
SECTION 159	SECTION 160	SECTION 161
SECTION 162	SECTION 163	SECTION 164
SECTION 165	SECTION 166	SECTION 167
SECTION 168	SECTION 169	SECTION 170
SECTION 171	SECTION 172	SECTION 173
SECTION 174	SECTION 175	SECTION 176
SECTION 177	SECTION 178	SECTION 179
SECTION 180	SECTION 181	SECTION 182
SECTION 183	SECTION 184	SECTION 185
SECTION 186	SECTION 187	SECTION 188
SECTION 189	SECTION 190	SECTION 191
SECTION 192	SECTION 193	SECTION 194
SECTION 195	SECTION 196	SECTION 197
SECTION 198	SECTION 199	SECTION 200

REVISION AUTHORIZED BY COMMISSIONER'S LETTERS DATED DECEMBER 31, 1902 AND JANUARY 1, 1903.

Red River

Red River

OIL CONSERVATION COMMISSION
Artesia DISTRICT

OIL CONSERVATION COMMISSION
BOX 2088
SANTA FE, NEW MEXICO

RECEIVED
JUL -5 1977
OIL CONSERVATION COMMISSION
Santa Fe

DATE 7-1-77

RECOMMENDATIONS
Proposed MC _____
Proposed DHC _____
Proposed NSL X _____
Proposed SWD _____
Proposed WFX _____
Proposed PMX _____

Gentlemen:

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

and my recommendations are as follows:

approval

Yours very truly,

W.A. Grasset