



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

JERRY APODACA  
GOVERNOR

NICK FRANKLIN  
SECRETARY

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-2434

January 2, 1979

Atlantic Richfield Company  
P. O. Box 1612  
Midland, Texas 79702

Re: Administrative Order No. PMX-73

Gentlemen:

Enclosed herewith please find Administrative Order PMX No. 73  
for the following described well:

Empire Abo Unit Well No. J-12  
located in Unit H of Section 3,  
Township 18 South, Range 27  
East, NMPM, Eddy County,  
New Mexico.

Very truly yours,

JOE D. RAMEY  
Division Director

JDR/CU/og

cc: Oil Conservation Division  
Drawer DD  
Artesia, New Mexico

APPLICATION OF ATLANTIC RICHFIELD  
COMPANY TO EXPAND ITS PRESSURE  
MAINTENANCE PROJECT IN THE EMPIRE-  
ABO POOL IN EDDY COUNTY, NEW MEXICO

ORDER PMX NO. 73

ADMINISTRATIVE ORDER  
OF THE OIL CONSERVATION DIVISION

Under the provisions of Order Nos. R-4549 through R-4549-D, Atlantic Richfield Company has made application to the Division on December 18, 1978, for permission to expand its Empire Abo Unit Pressure Maintenance Project in the Empire-Abo Pool in Eddy County, New Mexico.

NOW, on this 2nd day of January, 1979, the Division Director finds:

1. That application has been filed in due form.
2. That satisfactory information has been provided that all offset operators have been duly notified of the application.
3. That no objection has been received within the waiting period as prescribed by Order Nos. R-4549 through R-4549-D.
4. That the proposed injection well is eligible for conversion to gas injection under the terms of Order Nos. R-4549 through R-4549-D.
5. That the proposed expansion of the above referenced Pressure Maintenance Project will not cause waste nor impair correlative rights.
6. That the application should be approved.

IT IS THEREFORE ORDERED:

That the applicant, Atlantic Richfield Company, be and the same is hereby authorized to inject gas into the Abo formation through internally coated tubing set in a packer at approximately 5550 feet in the following described well for purposes of pressure maintenance, to wit:

Empire Abo Unit Well No. J-12, located in Unit H  
of Section 3, Township 18 South, Range 27 East,  
NMPM, Eddy County, New Mexico;

IT IS FURTHER ORDERED:

That the operator shall take all steps necessary to ensure that the injected gas enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

That the casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge at the surface to facilitate detection of leakage in the casing, tubing, or packer.

That the operator shall notify the supervisor of the Division's Artesia District Office before injection is commenced through said well;

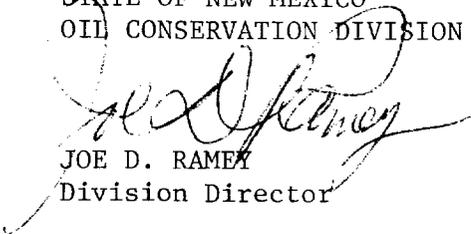
That the operator shall immediately notify the Supervisor of the Division's Artesia District Office of the failure of the tubing, casing, or packer in said well or the leakage of gas from or around said well and shall take such steps as may be timely or necessary to correct such failure of leakage.

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PMX NO. 73

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION



JOE D. RAMEY  
Division Director

S E A L

Oil Producing Division  
P.O. Box 1610  
S.F. 78702  
5081-1100



December 8, 1978

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

73  
1/2/78

Attn: Mr. Joe D. Ramey

Redesignation of Unit Well J-12  
to a Gas Injection Well  
ARCO-Empire Abo Unit Pressure Maintenance Project  
Eddy County, New Mexico

Gentlemen:

Atlantic Richfield Company, as operator of the Empire Abo Unit Pressure Maintenance Project, acting on behalf of all participating working interest owners, requests administrative approval under the provisions of Order No. R-4549, Rule 14, under "Special Rules and Regulations for the Empire Abo Pressure Maintenance Project," for redesignation of Unit Well J-12 to a gas injection well.

The redesignation of Unit well J-12 to a gas injection well meets all requirements of Order R-4549-B, Rule 14, said well 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 and provided that no well will be approved for gas or water injection when such well is located closer than 1650 feet to a tract which is not committed to the unit and on which is located a well producing from the same common source of supply."

The redesignation of Empire Abo Unit Well J-12 is necessary to complete a more efficient injection pattern, promote the greatest ultimate recovery of reserves, and prevent waste.

Very truly yours,

J. L. Tweed

WC:agp

cc: Mr. W. A. Gressett (4)  
P. O. Drawer DD  
Artesia, N. M. 88210

Offset Operators Notified December 8, 1978

OPERATOR

DEPCO, Inc.  
800 Central  
Odessa, Texas 79761

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

E. F. Motter  
Cities Service  
P. O. Box 1919  
Midland, Texas 79702

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

Herman Ledbetter  
874 Amarillo  
Abilene, Texas 79602

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

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

Brunham and Company  
P. O. Box 162  
Artesia, New Mexico  
88210

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

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

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

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

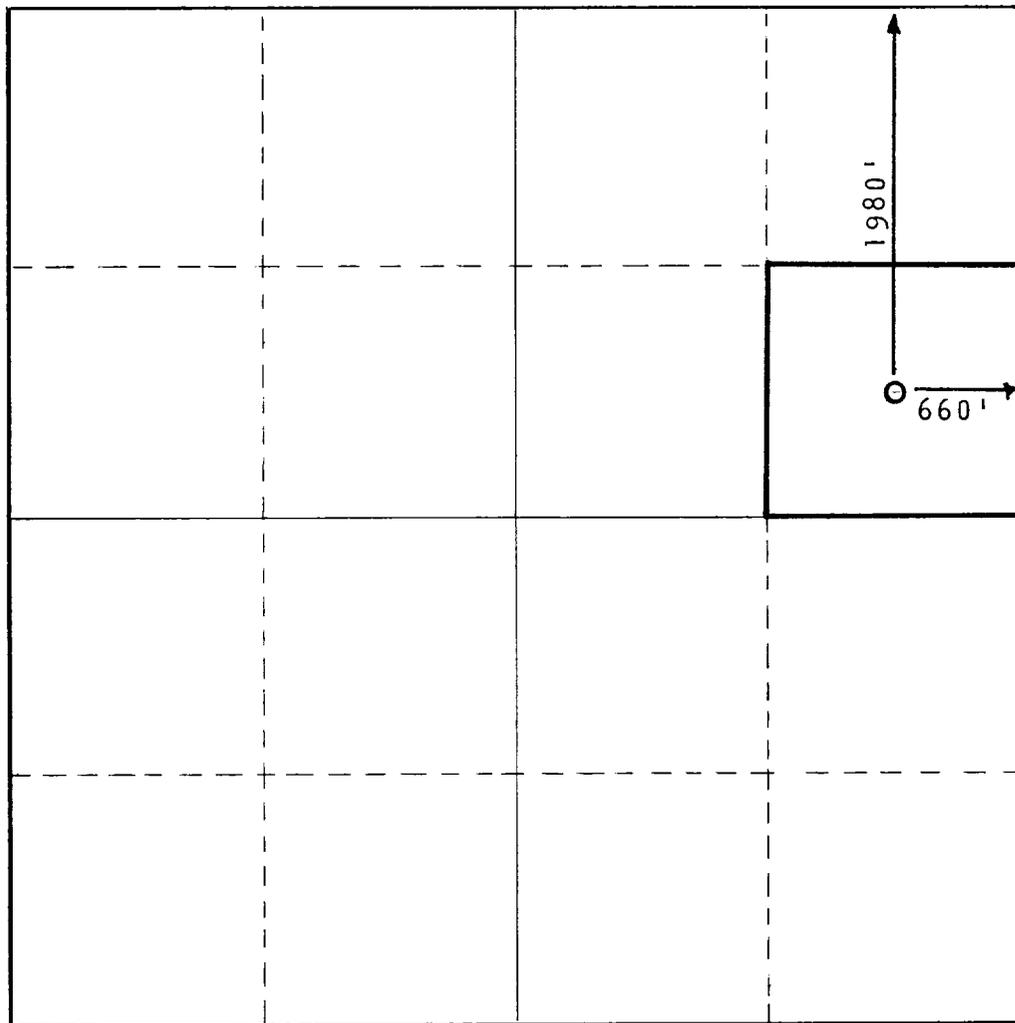
Operator <b>Atlantic Richfield Company</b>		Lease <b>Empire Abo Unit</b>			Well No. <b>J-12</b>
Unit Letter <b>H</b>	Section <b>3</b>	Township <b>18 South</b>	Range <b>27 East</b>	County <b>Eddy</b>	
Actual Footage Location of Well: <b>1980'</b> feet from the <b>north</b> line and <b>660'</b> feet from the <b>east</b> line					
Ground Level Elev. <b>3564'</b>	Producing Formation <b>Abo Reef</b>		Pool <b>Empire Abo</b>	Dedicated Acreage: <b>40</b> Acres	

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

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.  
R-27E



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**

Date  
**December 11, 1978**

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

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

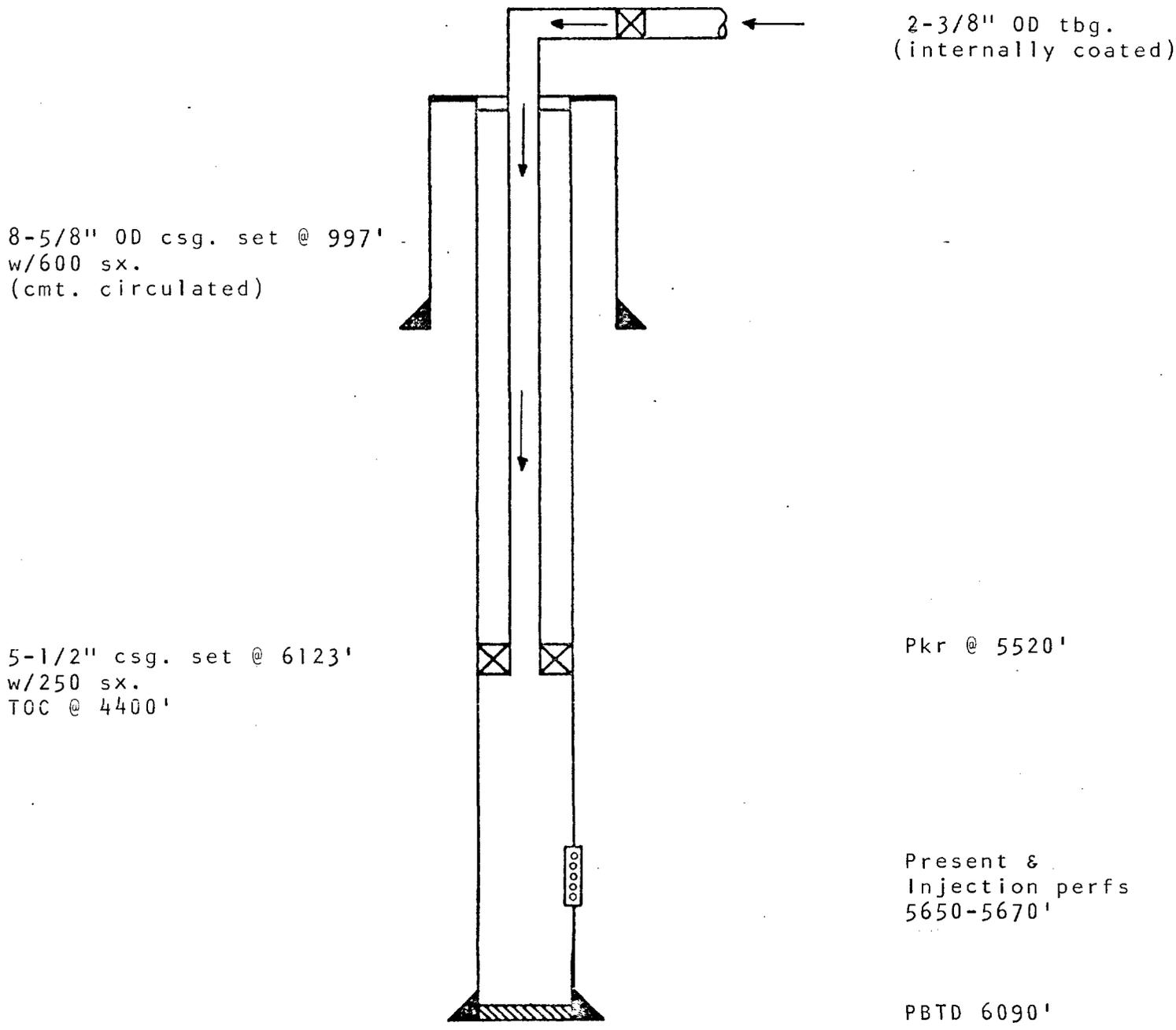
Certificate No.



T-18S

ATLANTIC RICHFIELD COMPANY  
Empire Abo Unit J-12  
(formerly Amoco Malco "H" Federal #2)  
1980' FNL & 660' FEL, Sec. 3, T-18S, R-27E  
Eddy County, New Mexico

INJECTION WELL PROGRAM



8-5/8" OD csg. set @ 997'  
w/600 sx.  
(cmt. circulated)

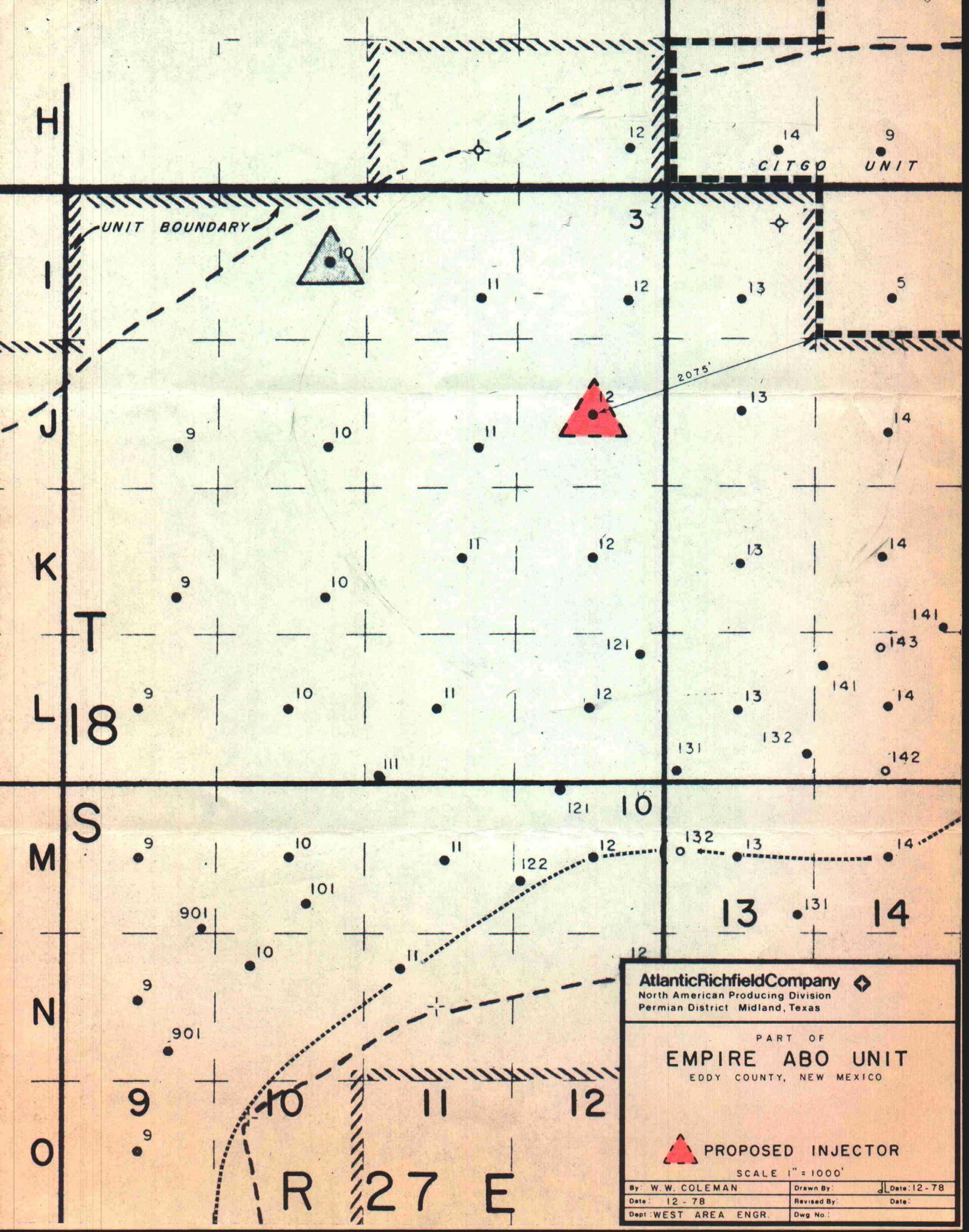
5-1/2" csg. set @ 6123'  
w/250 sx.  
TOC @ 4400'

2-3/8" OD tbg.  
(internally coated)

Pkr @ 5520'

Present &  
Injection perfs  
5650-5670'

PBTD 6090'



UNIT BOUNDARY

CITGO UNIT

2075'

Atlantic Richfield Company  
 North American Producing Division  
 Permian District Midland, Texas

PART OF  
**EMPIRE ABO UNIT**  
 EDDY COUNTY, NEW MEXICO

 PROPOSED INJECTOR

SCALE 1" = 1000'

By: W. W. COLEMAN	Drawn By:	Date: 12 - 78
Date: 12 - 78	Revised By:	Date:
Dept: WEST AREA ENGR.	Dwg No.:	

EMPIRE ABO UNIT J-12  
1980' FNL & 660' FEL  
Sec. 3, T-18S, R-27E  
Eddy County, New Mexico

5200

5300

5400

5500

5600

5700

Top of Abo Reef

Base of Abo Reef

