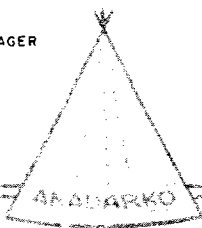


RAY MASSA  
REGIONAL GENERAL MANAGER



# ANADARKO PRODUCTION COMPANY

TWO GREENWAY PLAZA EAST, SUITE 410, HOUSTON, TEXAS, 77046. (713) 626-7610

March 23, 1973

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

392  
Anadarko Square Lake "JJ"  
Waterflood Project and  
Anadarko Square Lake "R"  
Waterflood Project (Proposed)  
Square Lake Field  
Eddy County, New Mexico

Gentlemen:

Anadarko Production Company hereby requests administrative approval of the Oil Conservation Commission of the State of New Mexico to inject water into the Federal "JJ" Well #3, a new well drilled 660' FSL and 1980' FWL of Section 3, T-17S, R-30E and into the Federal "R" Well #7, a new well drilled at a location 660' FNL and 1980' FEL of Section 10, T-17S, R-30E, both in Eddy County, New Mexico.

The Federal "JJ" Well #3 is proposed as an expansion of Anadarko's Square Lake "JJ" waterflood project which was approved in Order No. R-4049 of the Oil Conservation Commission. The Federal "R" Well #7 will be the first water injection well on Anadarko's Square Lake "R" waterflood project. The Commission's Order No. R-4049 specified that the Secretary Director of the Commission could approve the institution of a waterflood project on Anadarko's Federal "R" lease, consisting of the N/2 of Section 10, T-17S, R-30E, Eddy County, New Mexico, at the time that a water injection well was completed on said lease. The formation of said waterflood project is hereby requested.

March 23, 1973

Rule No. 701-B of the Commission Rules and Regulations has been complied with by the enclosure herewith of (1) a plat showing the proposed water injection wells and offset operations, (2) a diagrammatic sketch of the proposed water injection well completions on which we have indicated the zone to be opened for injection and the type and quantity of water to be injected and, (3) a log of the proposed water injection wells. A copy of this application has been furnished to offset operators with the request that they advise the Commission of their waiver of any objections at their earliest convenience.

The expansion of these projects by the conversion of the above wells to water injection will increase the recovery of oil from the subject leases.

Your approval at your earliest convenience will be appreciated.

Yours very truly,

ANADARKO PRODUCTION COMPANY



D. G. Kernaghan  
Division Evaluation Engineer

DGK:sc

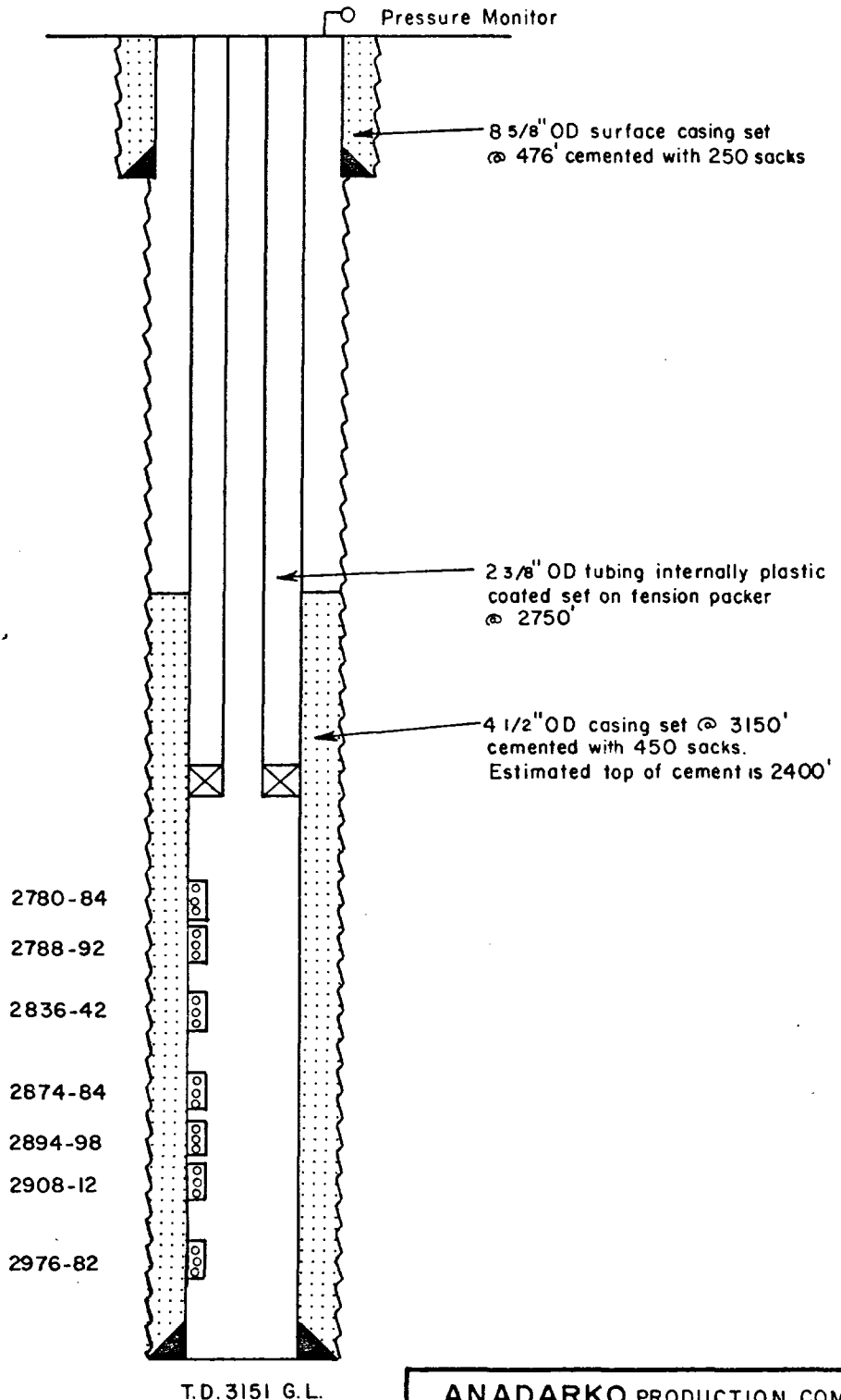
T  
16  
ST  
17  
ST  
16  
ST  
17  
S

A horizontal scale bar with tick marks at 0, 1500, 3000, 4500, and 6000 feet. The text "SCALE FEET" is centered below the bar.

EXHIBIT 1

- Oil Well
- ✦ Plugged & Abandoned
- ✧ Temporarily Abandoned
- ✧ Dry & Abandoned
- ✧ Water Injection Well
- ◎ Proposed W.L.W.
- Proposed Producing Well
- ◎ Proposed Conversion
- Producing Well to W.L.W.
- Anadarko Acreage

FEDERAL "R" WELL NO. 7  
NW/4 NE/4 SECTION 10-T17S-R30E

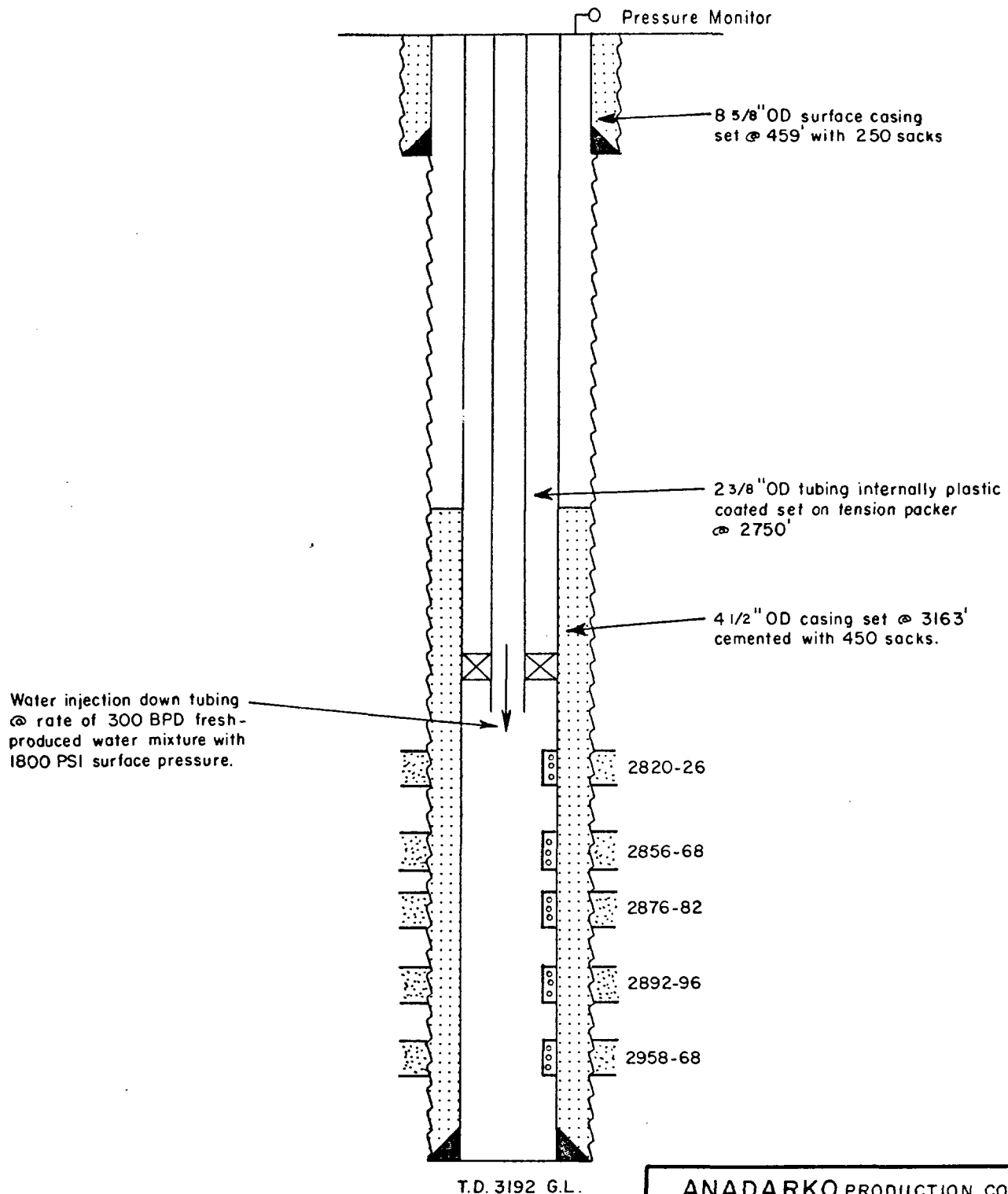


ANADARKO PRODUCTION COMPANY

WEST SQUARE LAKE FIELD  
EDDY COUNTY, NEW MEXICO

DIAGRAMMATIC SKETCH  
OF  
WATER INJECTION WELL COMPLETION  
WEST SQUARE LAKE WATERFLOOD PROJECT

FEDERAL "JJ" WELL NO.3  
SE/4 SW/4 SECTION 3-T17S-R30E



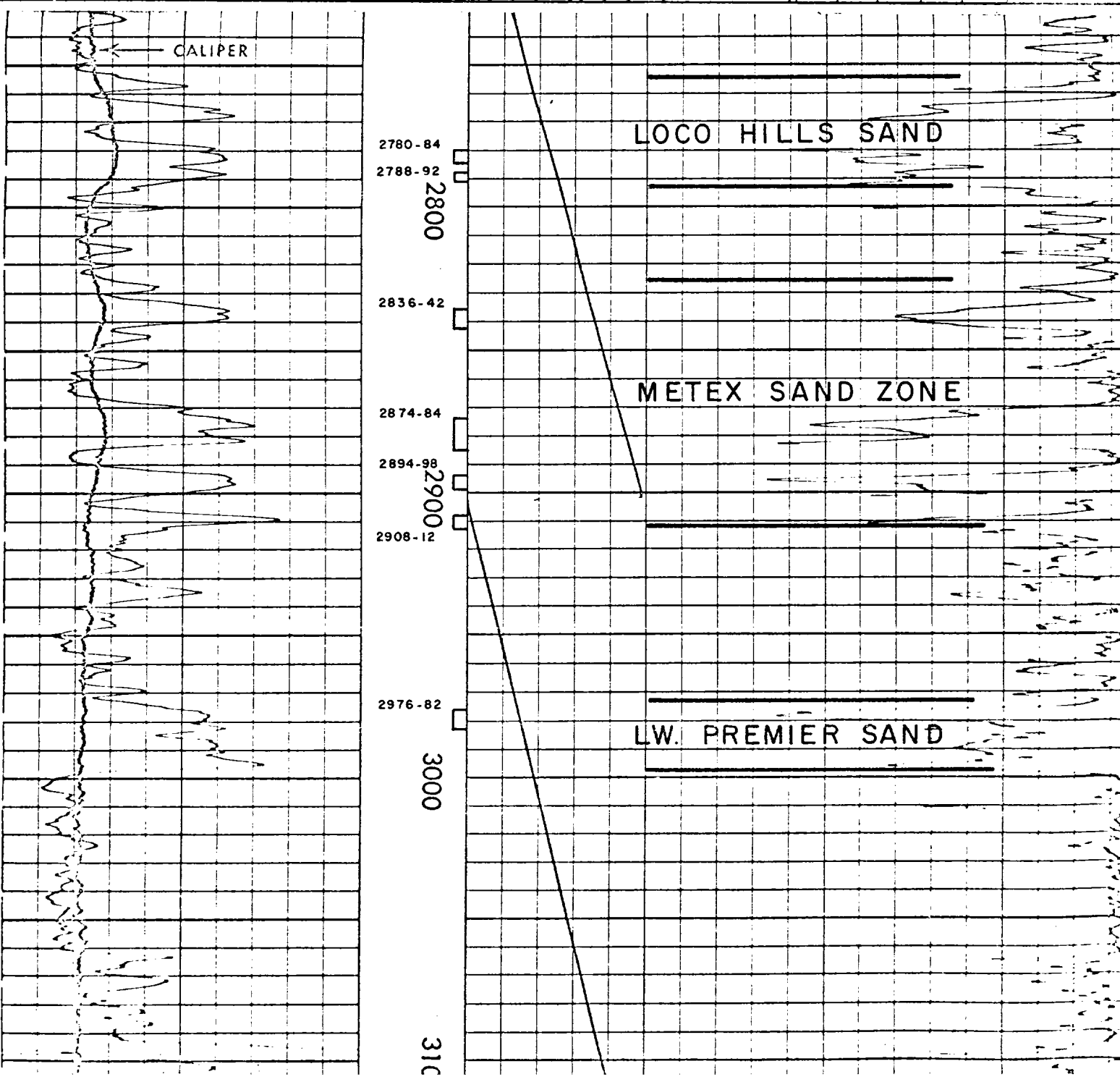
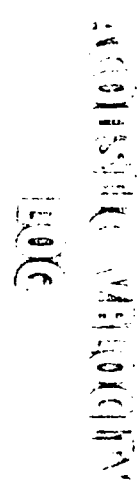
ANADARKO PRODUCTION COMPANY

WEST SQUARE LAKE FIELD  
EDDY COUNTY, NEW MEXICO

DIAGRAMMATIC SKETCH  
OF

WATER INJECTION WELL COMPLETION  
WEST SQUARE LAKE WATERFLOOD PROJECT

Exhibit - 2





COMPANY ANADARKO PRODUCTION COMPANY

WELL FEDERAL "JJ" NO. 3

FIELD SQUARE LAKE

COUNTY EDDY STATE NEW MEXICO

LOCATION:

## Other Services

660' FSL &amp; 1980' FWL

SEC 3 TWP 17-S RGE 30-E

GROUND LEVEL \_\_\_\_\_ Elev. 3718

Elevations:  
3727.5

G. L. \_\_\_\_\_ 0 \_\_\_\_\_ Ft. Above Permanent Datum

K. B. (9.5' ABOVE G.L.)

Gl 3718

12-14-72

ONE

3175 K.B.

3164 G.L.

3161 Gall

SURFACE

8897 38/5 88

46009

77/8"

## BRINE GEL

1000 JOURNAL OF CLIMATE

10.1	38
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350

CIRCULATED

49 @ 40.

04 79 @ 70

1 2 3

MEAS.	
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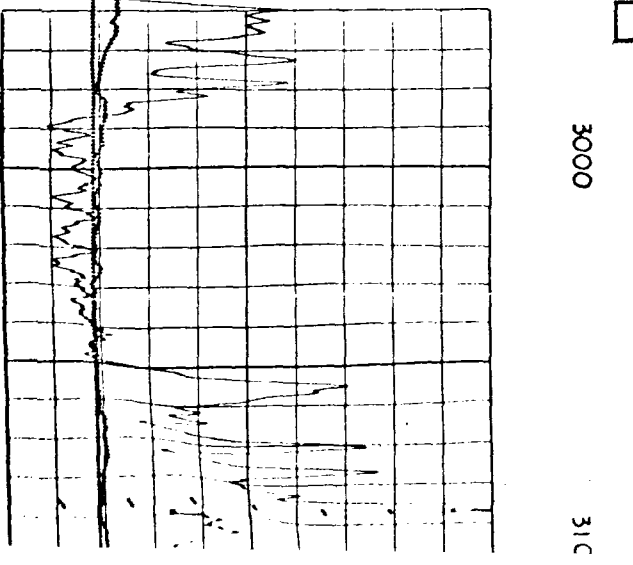
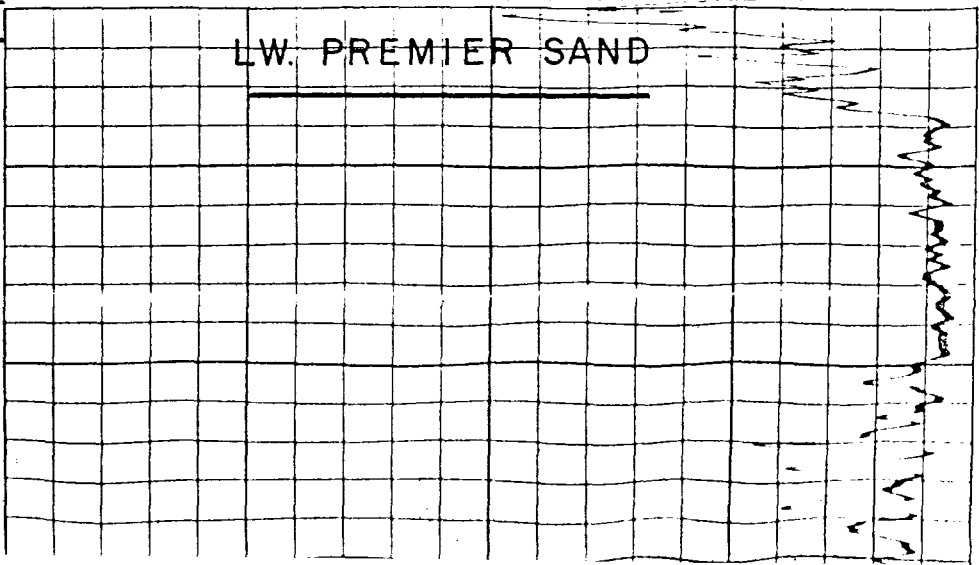
027 @ 95

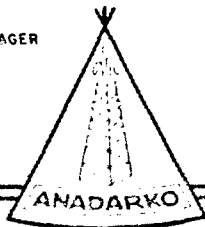
3- HOURS

950

6028	HOBBS
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MC ATTEE





ANADARKO PRODUCTION COMPANY

TWO GREENWAY PLAZA EAST, SUITE 410, HOUSTON, TEXAS, 77046, (713) 626-7610

March 23, 1973

Newmont Oil Company  
P. O. Box 1305  
Artesia, New Mexico 88210

Windfohr Oil Company  
120 First Nat'l. Bank Bldg.  
Fort Worth, Texas 76102

J. Cleo Thompson  
4500 Republic Nat'l. Bank Tower  
Dallas, Texas 75201

Arwood Limited  
P. O. Box 20200  
Dallas, Texas 75202

Atlantic Richfield  
P. O. Box 634  
Midland, Texas 79701

General American Oil Company  
Meadows Building  
Dallas, Texas 75206

Re: Waterflood Project Expansion  
Square Lake Field  
Eddy County, New Mexico

Gentlemen:

We are enclosing a copy of a letter to the Oil Conservation Commission of the State of New Mexico in which Anadarko Production Company requests administrative approval to add an additional water injection well on our Square Lake "JJ" waterflood project and to institute a waterflood project on our Federal "R" lease by the approval of Well #7 as a water injection well.

To obtain administrative approval in this matter, it is requested that we furnish a notice to offset operators of our intentions. With this letter, we are asking that you advise the Commission at your earliest convenience if you do not oppose the addition of the two referenced wells as water injection wells.

Yours very truly,

ANADARKO PRODUCTION COMPANY

D. G. Kernaghan  
Division Evaluation Engineer

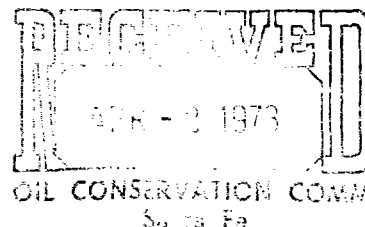
DGK:sc

cc: Oil Conservation Commission

# **GENERAL AMERICAN OIL COMPANY OF TEXAS**

MEADOWS BUILDING  
**DALLAS, TEXAS 75206**

March 29, 1973




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

Re: Anadarko Square Lake "JJ"  
Waterflood Project and  
Anadarko Square Lake "R"  
Waterflood Project (Proposed)  
Square Lake Field  
Eddy County, New Mexico

Gentlemen:

This is to advise that General American has no objections to Anadarko's request to convert two wells to injection as set out in their letter of March 23, 1973.

Yours very truly,

  
J. T. Reynolds  
Vice President, Production

JTR:jm

cc: Anadarko Production Company  
Two Greenway Plaza East, Suite 410  
Houston, Texas 77046  
Attn: Mr. D. G. Kernaghan  
Division Evaluation Engineer

W. E. Walter, District Superintendent, Loco Hills, New Mexico

N. W. Krouskop

File (2), C-1, PLW-1

**NEWMONT OIL COMPANY**

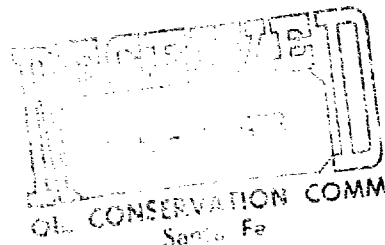
**ROOM 303, FIRST NATIONAL BANK BUILDING**

**P. O. Box 1305**

**ARTESIA, NEW MEXICO 88210**

March 30, 1973

NEW MEXICO  
DISTRICT OFFICE



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

Re: Anadarko Square Lake "JJ"  
Waterflood Project and  
Anadarko Square Lake "R"  
Waterflood Project (Proposed)  
Square Lake Field, Eddy County,  
New Mexico


Gentlemen:

Newmont Oil Company has been notified by Anadarko Production Company that they are requesting administrative approval to inject water into their "JJ" Well No. 3 located 660' FSL and 1980' FWL of Section 3, and their Federal "R" Well No. 7 located 660' FNL and 1980' FEL of Section 10, both in T-17S, R-30E, Eddy County, New Mexico.

As offset operator Newmont has no objection to Anadarko's request.

Yours truly,

NEWMONT OIL COMPANY

  
Charles C. Joy  
District Superintendent

CCJ/saf

J. CLEO THOMPSON & JAMES CLEO THOMPSON, JR.

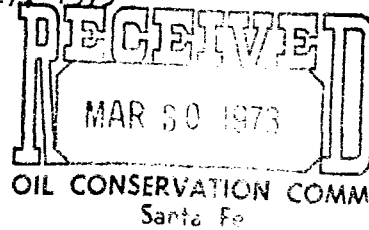
OIL PRODUCERS

4500 REPUBLIC NATIONAL BANK TOWER

DALLAS, TEXAS 75201

March 27, 1973

RIVERSIDE 2-1991



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

Gentlemen:

Re: Anadarko Square Lake "JJ"  
Waterflood Project and  
Anadarko Square Lake "R"  
Waterflood Project (Proposed)  
Square Lake Field  
Eddy County, New Mexico

It is our understanding that Anadarko Production Company has requested permission to inject water into their Federal "JJ" Well #3 and Federal "R" Well #7 in the above mentioned project. This is to advise you that J. Cleo Thompson, as offset operator, has no objections to this request.

Yours truly,

A handwritten signature in cursive script that reads 'Jimmie Thompson'. Below the signature, the name 'JIMMIE THOMPSON' is printed in all caps.

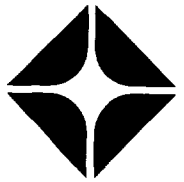
JIMMIE THOMPSON

JT:lc

cc: Mr. D. G. Kernaghan  
Anadarko Production Company  
Two Greenway Plaza East, Suite 410  
Houston, Texas 77046

AtlanticRichfieldCompany

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



March 27, 1973

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

Re: Anadarko Square Lake "JJ"  
Waterflood Project and  
Anadarko Square Lake "R"  
Waterflood Project (Proposed)  
Square Lake Field  
Eddy County, New Mexico

Gentlemen:

With reference to Anadarko Production Company's letter of March 23, 1973, this is to advise that Atlantic Richfield Company does not oppose Anadarko's request to inject water into the Federal "JJ" Well No. 3, a new well drilled 660' FSL and 1980' FWL of Section 3, T-17S, R-30E, and into the Federal "R" Well No. 7, a new well drilled at a location 660' FNL and 1980' FEL of Section 10, T-17S, R-30E, both in Eddy County, New Mexico.

Very truly yours,

ATLANTIC RICHFIELD COMPANY

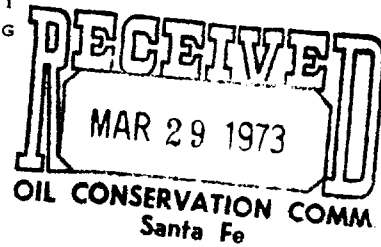
K. C. Kubik  
Senior Engineer

KCK/agp

cc: Anadarko Production Company  
Two Greenway Plaza East  
Suite 410  
Houston, Texas 77046

WINDFOHR OIL COMPANY  
1202 FIRST NATIONAL BANK BUILDING  
FORT WORTH, TEXAS 76102

March 27, 1973



332-5108

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

Re: Anadarko Square Lake "JJ"  
Waterflood Project and  
Anadarko Square Lake "R"  
Waterflood Project (Proposed)  
Square Lake Field  
Eddy County, New Mexico

Gentlemen:

Windfohr Oil Company has been notified by Anadarko Production Company of their intention to add an additional water injection well on the Square Lake "JJ" Waterflood Project and to install a waterflood project on their Federal "R" Lease using well #7 as a water injection well. This is to advise that Windfohr Oil Company as an offset operator has no objection to their proposed program.

Yours very truly,

WINDFOHR OIL COMPANY

A handwritten signature in cursive script, appearing to read "John Rush Vann".

John Rush Vann

JRV/mf  
cc: Mr. D. G. Kernaghan  
Anadarko Production Company

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

March 27, 1973

Anadarko Production Company  
Two Greenway Plaza East, Suite 410  
Houston, Texas 77046

Attention: Mr. D. G. Kernaghan

Re: Anadarko's Federal "R"  
Waterflood Project

Gentlemen:

New Mexico Oil Conservation Commission Order No. R-4049 established an administrative procedure whereby the Secretary-Director may approve the institution of a waterflood project on Anadarko's R lease in Section 10, Township 17 South, Range 30 East, NMPM, upon completion of an injection well on said lease. Inasmuch as Anadarko Production Company has complied with the terms of Order R-4049 by the completion of Federal "R" Well No. 7, located 660 feet FNL and 1980 feet FEL of said Section 10 as a water injection well, I hereby grant approval of a waterflood project designated the Anadarko Square Lake R Waterflood Project. The subject waterflood project shall be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

Very truly yours,

A. L. PORTER, Jr.  
Secretary-Director

ALP/JEK/og

cc: Oil Conservation Commission  
Drawer DD  
Artesia, New Mexico

