

# **DEPCO, Inc.**

## **PRODUCTION & EXPLORATION**

November 3, 1978

Mr. Joe D. Ramey  
State Petroleum Engineer  
Secretary-Director  
New Mexico Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico 87501

RE: DEPCO, Inc.  
Artesia Flood  
Waterflood Expansion  
Convert 4 Wells To Injection  
No.'s: 18, 24, 34, and 39

Dear Mr. Ramey:

DEPCO, Inc. is asking the Commission to approve administratively the application to convert four (4) additional wells, numbers 18, 24, 34, and 39, to water injection in the Artesia Flood. These injectors are necessary to expand the flood. The Artesia Flood was approved by R-2876 and R-3311.

Injection will be into the Grayburg at an approximate depth of 2400 feet. Fresh water will be injected at approximately 300 barrels per day per well. The fresh water will be obtained from a system owned by the City of Carlsbad.

The location of each well to be converted to injection is marked on the attached plat. This plat shows the location of present injection wells. These wells are located as follows: No. 24 Unit I in Sec. 34-T17S-R28E, No. 18 Unit K in Sec. 36-T17S-R28E, No. 34 Unit B in Sec. 2-T18S-R28E and No. 39 Unit C in Sec. 3-T18S-R28E, Eddy County, New Mexico. These wells are necessary to complete injection patterns and expand the flood.

Enclosed for your information are copies of logs available over the Grayburg of these wells and a diagrammatic sketch of each well to be converted.

Yours very truly,

DEPCO, INC.



R. L. Flowers, Jr.  
Chief Engineer

Enc.  
RLF:jz

# **DEPCO, Inc.**

**PRODUCTION & EXPLORATION**

March 29, 1978

To: Offset Operators  
(See Attached List)

RE: DEPCO, Inc.  
Artesia Flood  
Artesia Field  
Eddy County, New Mexico

Gentlemen:

DEPCO, Inc. is asking the Commission to approve administratively, the application to convert four additional wells to water injection in the Artesia Flood. These wells are Artesia Unit No. 18, 24, 34, and 39. Injection will be into the Grayburg formation at an approximate depth of 2400 feet.

A copy of the application is attached, DEPCO would appreciate your waiver of objection to this application. Three copies of a waiver letter are attached. Please sign, send one copy to the Commission, and return one copy to DEPCO.

Yours very truly,

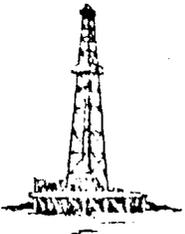
DEPCO, INC.



R. L. Flowers, Jr.  
Chief Engineer

RLF:jz

Enc.



Artesia Flood  
Waterflood Expansion

OFFSET OPERATORS

Atlantic Richfield  
Box 129  
Artesia, New Mexico 88210

Shenandoah Oil Corporation  
Box 1326  
Maljamar, New Mexico 88210

William E. Jeffers  
Box 65  
Artesia, New Mexico 88210

Featherstone Development Corporation  
1717 W. 2nd Street  
Roswell, New Mexico 88201

American Petrofina  
Box 1311  
Big Spring, Texas 79720

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

Donnelly Drilling Company  
Box 433  
Artesia, New Mexico 88210

Yates Petroleum Corporation  
Yates Building  
207 South 4th Street  
Artesia, New Mexico 88210

C. E. LaRue & B. M. Muncy, Jr.  
Box 196  
Artesia, New Mexico 88210

Marbob Energy Corporation  
Box 304  
Artesia, New Mexico 88210

T. L. Ingram  
Box 1757  
Roswell, New Mexico 88201

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

Cities Service Oil Company  
Box 4906  
Midland, Texas 79701

March 28, 1978

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

Attention: Mr. J. E. Kapteina  
Engineer

Gentlemen:

As an offset operator, \_\_\_\_\_ hereby waives any objection to the conversion and injection of water into DEPCO, Inc. Artesia Unit Nos. 18, 24, 34, and 39 in the Grayburg formation as requested in their application for expansion of the Artesia Unit dated March 28, 1978.

For \_\_\_\_\_

By \_\_\_\_\_

Date \_\_\_\_\_

ARTESIA UNIT WELL NO. 34  
 Unit B Sec 2-T18S-R28E  
 Eddy County, New Mexico

8-5/8" Csg Set @ 559'  
 Cmt'd w/75 sx

Hole Size Unknown

Calculated Top of Cement  
 Unknown

5 1/2" Csg set @ 2700'  
 Cmt'd w/100 sx

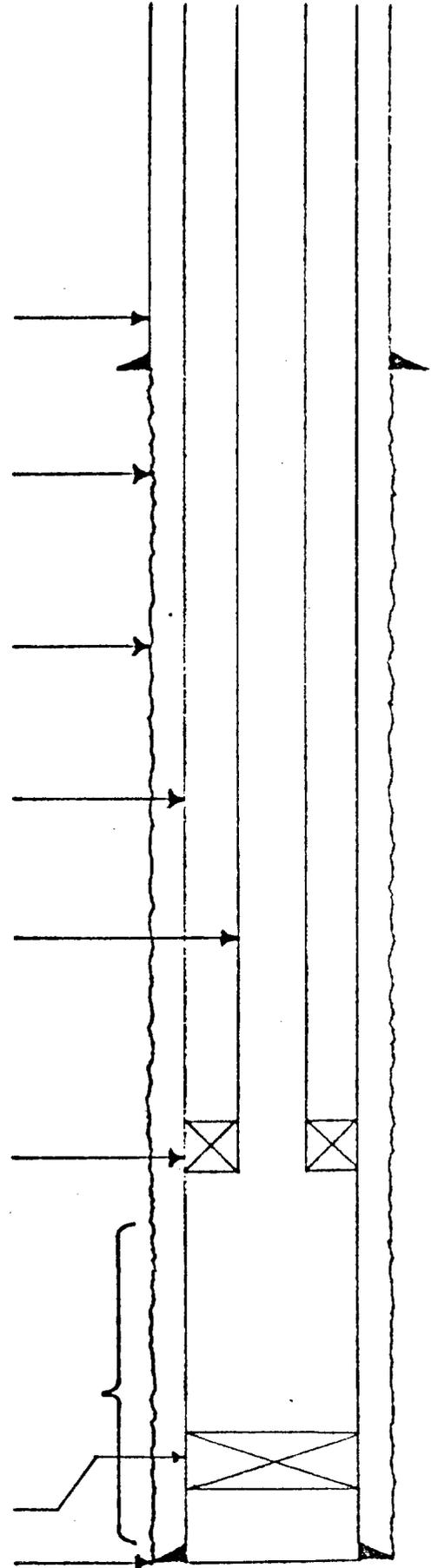
2-3/8" Plastic Coated Tbg

Plastic-Coated Packer Set  
 @ 2430'

2460' - 66'  
 2518' - 23'  
 Perforations @ 2544' - 49'  
 2556' - 62'  
 2678' - 86'

Bridge Plug @ 2600'

TD - 2706'



ARTESIA UNIT WELL NO. 39  
Unit C Sec 3-T18S-R28E  
Eddy County, New Mexico

8-5/8" csg set @ 521'  
Cmt'd w/50 sx

Hole Size - 8"

Calculated Top of Cement  
@ 1995'

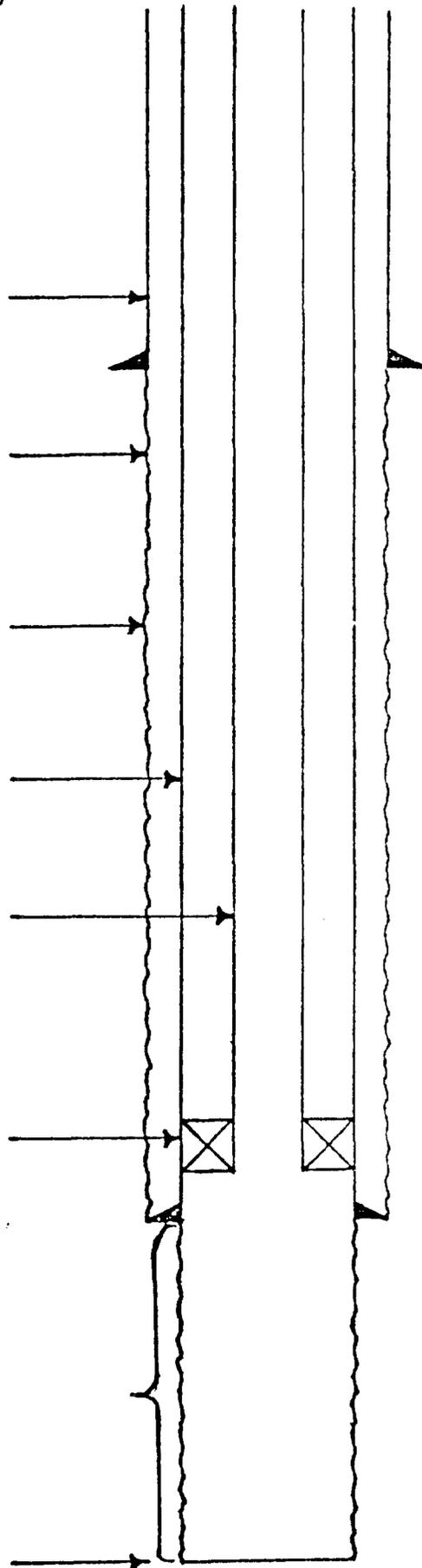
5 1/2" csg set @ 2315'  
Cmt'd w/75 sx

2-3/8" Plastic-Coated Tubing.  
Annulus Loaded w/Corrosion -  
Inhibited Water.

Plastic-Coated Packer  
Set @ 2300'

Open Hole 2315' - 2401'

TD - 2401'



ARTESIA UNIT WELL NO. 24  
Unit I Sec 34-T17S-R28E  
Eddy County, New Mexico

7" csg set @ 580'  
Cmt'd w/75 sx

Hole size 6 $\frac{1}{4}$ "

Calculated Top of Cement  
@ 1313'

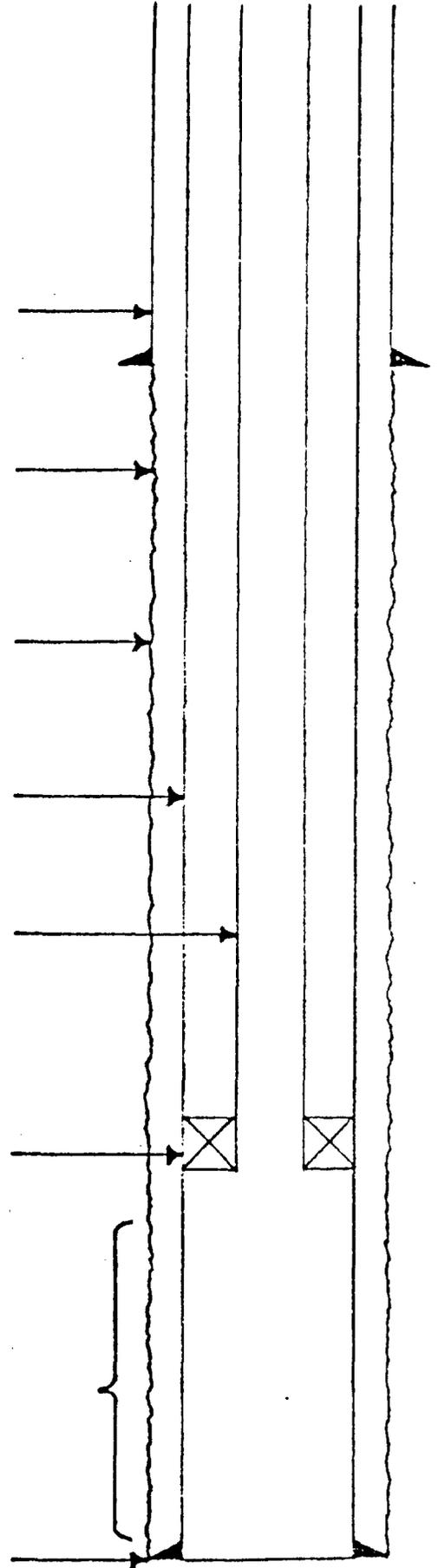
4 $\frac{1}{2}$ " csg set @ 2317'  
Cmt'd w/150 sx

2-3/8" Plastic-Coated Tbg  
Annulus Loaded w/Corrosion  
Inhibited Water

Plastic-Coated Packer Set  
@ 1950'

Perforated @ 2014'-28'  
2250'-58'  
2286'-94'

TD - 2317'



ARTESIA UNIT WELL NO. 18  
 Unit K Sec 36-T17S-R28E  
 Eddy County, New Mexico

8-5/8" csg set @ 445'  
 Cmt'd w/75 sx

Hole size - 8"

Calculated Top of Cement  
 @ 1689'

4 1/2" csg set @ 2782'  
 Cmt'd w/200 sx

2-3/8" Plastic Coated Tubing

Plastic-Coated Packer @ 2300'

Perforated @  
 2356' - 2361'  
 2587' - 2591'  
 2597' - 2600'  
 2614' - 2620'  
 2624' - 2630'  
 2742' - 2750'

TD - 2784'

