

## YATES DRILLING COMPANY

YATES BUILDING - 207 SOUTH 4TH ST. - (505) 746-3558

S. P. YATES,  
PRESIDENT

B. W. HARPER,  
SEC. TREAS.

JACK W. MCCAUL,  
ASST. SEC. TREAS.

ARTESIA, NEW MEXICO 88210

July 19, 1977

Mr. Joe D. Ramey  
New Mexico Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico 87501


Re: Administrative Order WFX-452

Gentlemen:

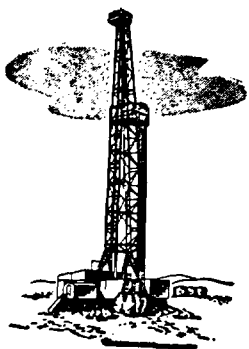
We have your letter of July 15, 1977 approving Artesia Metex Unit well no. 16 to an injection well. The Unit letter for the well was incorrectly shown as Unit N in our letter dated June 28, 1977 to the Commission requesting approval of this conversion to injection. The correct Unit letter is Unit M, located 330 FSL and 990 FWL, Section 24, T18S, R27E, Eddy County, New Mexico.

We apologize for the inconvenience to you.

Yours truly,

  
Juanita Goodlett  
Secretary

cc: OCC, Artesia  
Depco, Inc., Denver  
Exxon Company, USA, Midland



## YATES DRILLING COMPANY

YATES BUILDING - 207 SOUTH 4TH ST. - (505) 746-3558

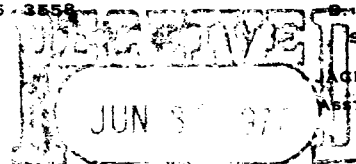
ARTESIA, NEW MEXICO 88210

June 28, 1977

S. P. YATES,  
PRESIDENT

B. W. HARPER,  
SEC. TREAS.

JACK W. MCCAUL,  
ASST. SEC. TREAS.



OIL CONSERVATION COMM.

Santa Fe

452

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

Re: Request for Administrative Approval  
Conversion to Water Injection  
Artesia Metex Unit Well #16  
Eddy County, New Mexico

Gentlemen:

We hereby request administrative approval of our proposal to convert Artesia Metex Unit well #16 to water injection under the administrative procedure set forth in Commission Order R-4609. The well (located in Unit N, Section 24, 18S, 27E) has recently been deepened, casing run and cemented across the Grayburg sands. A completion was attempted in the lower Grayburg sands as reported to the Commission. The well is presently making 1 BOPD and 1 BWPD.

We propose to perforate and frac the Metex zones as indicated on the attached C-103, and convert the well to water injection, as per the attached schematic drawing.

A plat is included showing offset well production or injected performance. As shown, we are unable to inject water satisfactorily into Artesia Metex Unit #26. We have experienced waterflood response at Artesia Metex Unit #17, a direct offset to the east of the subject well. The conversion of #16 to water injection is necessary to establish a boundary pressure sufficient to prevent loss of oil migrating towards the west under pressure from injection wells to the east.

We also enclose the following:

- (a) land plat showing the subject well location, all wells within the Unit area, offset operators and offset wells,
- (b) schematic drawing of proposed completion,
- (c) copy of letters to offset operators (Exxon, Depco) notifying them of our proposal and providing them with a copy of our application.

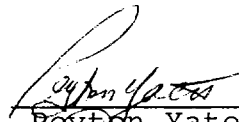
June 28, 1977  
Page - 2

New Mexico Oil Conservation Commission

In order to speed up the proceedings, we have requested waivers from the offset operators, and will forward them if and when we receive them. If you need any additional information, please let me know.

Yours truly,

YATES DRILLING COMPANY

  
\_\_\_\_\_  
Peyton Yates

PY:jg  
Encls.

cc: OCC, Artesia

*[Faint handwritten notes, possibly "copy to..." and "see..."]*

|                        |  |
|------------------------|--|
| NO. OF COPIES RECEIVED |  |
| DISTRIBUTION           |  |
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| U.S.G.S.               |  |
| LAND OFFICE            |  |
| OPERATOR               |  |

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

|   |                              |
|---|------------------------------|
| 5a. Indicate Type of Lease                |                              |
| State <input checked="" type="checkbox"/> | Fee <input type="checkbox"/> |
| 5. State Oil & Gas Lease No.<br>648       |                              |

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.  
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

|   |  |   |
|---|--|---|
| 1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER-   |  | 7. Unit Agreement Name                      |
| 2. Name of Operator<br>Yates Drilling Company   |  | 8. Farm or Lease Name<br>Artesia Metex Unit |
| 3. Address of Operator<br>207 So. 4th St., Artesia, NM 88210  |  | 9. Well No.<br>16                           |
| 4. Location of Well<br>UNIT LETTER <u>N</u> <u>330</u> FEET FROM THE <u>South</u> LINE AND <u>990</u> FEET FROM<br>THE <u>West</u> LINE, SECTION <u>24</u> TOWNSHIP <u>18S</u> RANGE <u>27E</u> NMPM. |  | 10. Field and Pool, or Wildcat<br>Artesia   |
| 15. Elevation (Show whether DF, RT, CR, etc.)<br>3568 GR  |  | 12. County<br>Eddy                          |

|  |   |
|--|---|
| 16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data   |   |
| NOTICE OF INTENTION TO:  | SUBSEQUENT REPORT OF:   |
| PERFORM REMEDIAL WORK <input type="checkbox"/><br>TEMPORARILY ABANDON <input type="checkbox"/><br>PULL OR ALTER CASING <input type="checkbox"/><br>OTHER <u>Convert to Injection</u> <input checked="" type="checkbox"/> | PLUG AND ABANDON <input type="checkbox"/><br>CHANGE PLANS <input type="checkbox"/><br>REMEDIAL WORK <input type="checkbox"/><br>COMMENCE DRILLING OPNS. <input type="checkbox"/><br>CASING TEST AND CEMENT JOBS <input type="checkbox"/><br>ALTERING CASING <input type="checkbox"/><br>PLUG AND ABANDONMENT <input type="checkbox"/><br>OTHER <input type="checkbox"/> |

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Propose: Pull tubing & rods, run tie-in log and perforate 1944-44, 1953-59, 1967-73 and 1983-88/2 shots/ft. Treat new perfs with 1000 gal 15% NE, 30000 gal treated water 24000# 20/40 6000# 10/20. Run approx 1900' of 2-3/8" plastic lined tubing and set on Guiberson packer. Load annulas with treated water and convert to injection well for injection into all zones.

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

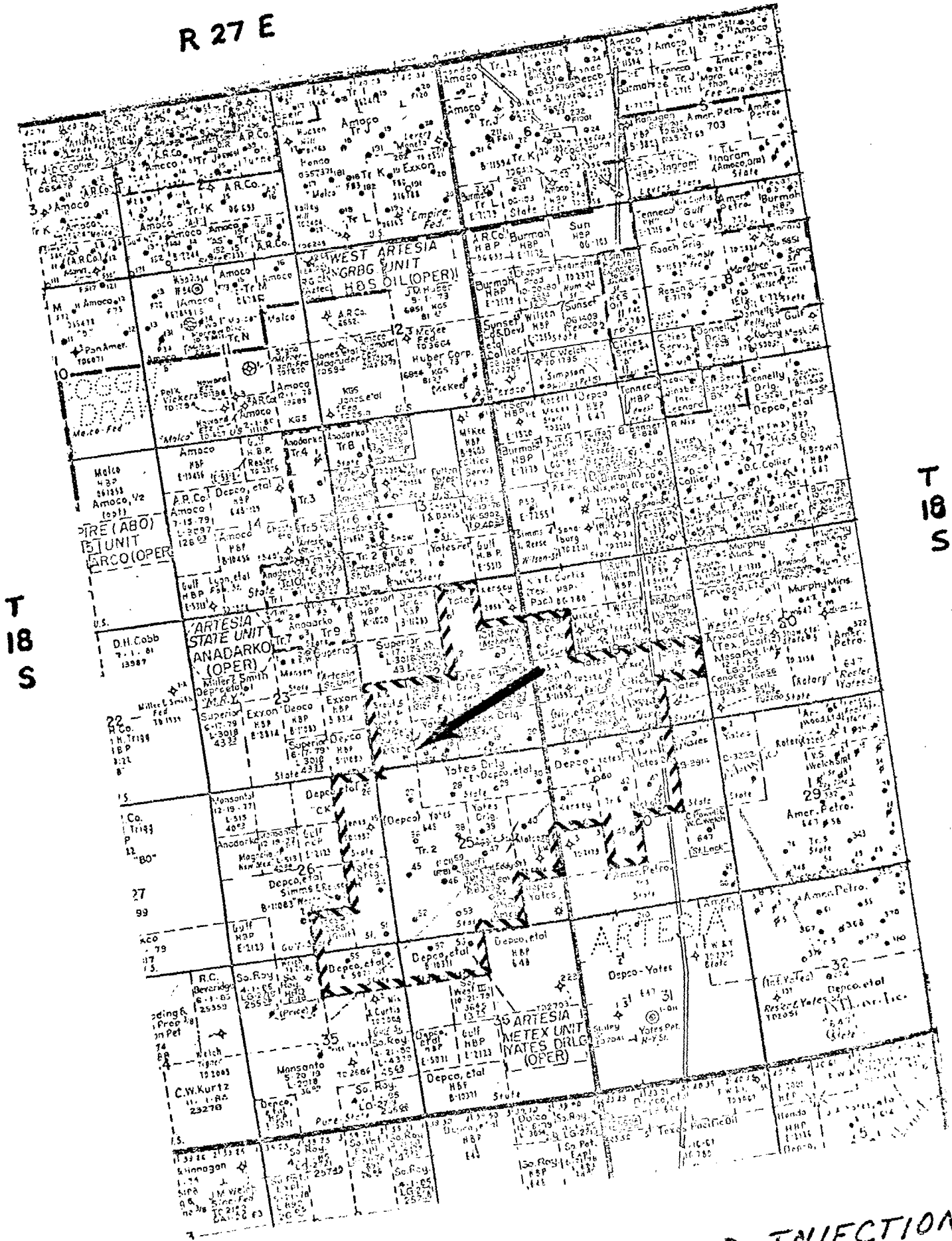
SIGNED [Signature] TITLE Engineer DATE 6/28/77

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

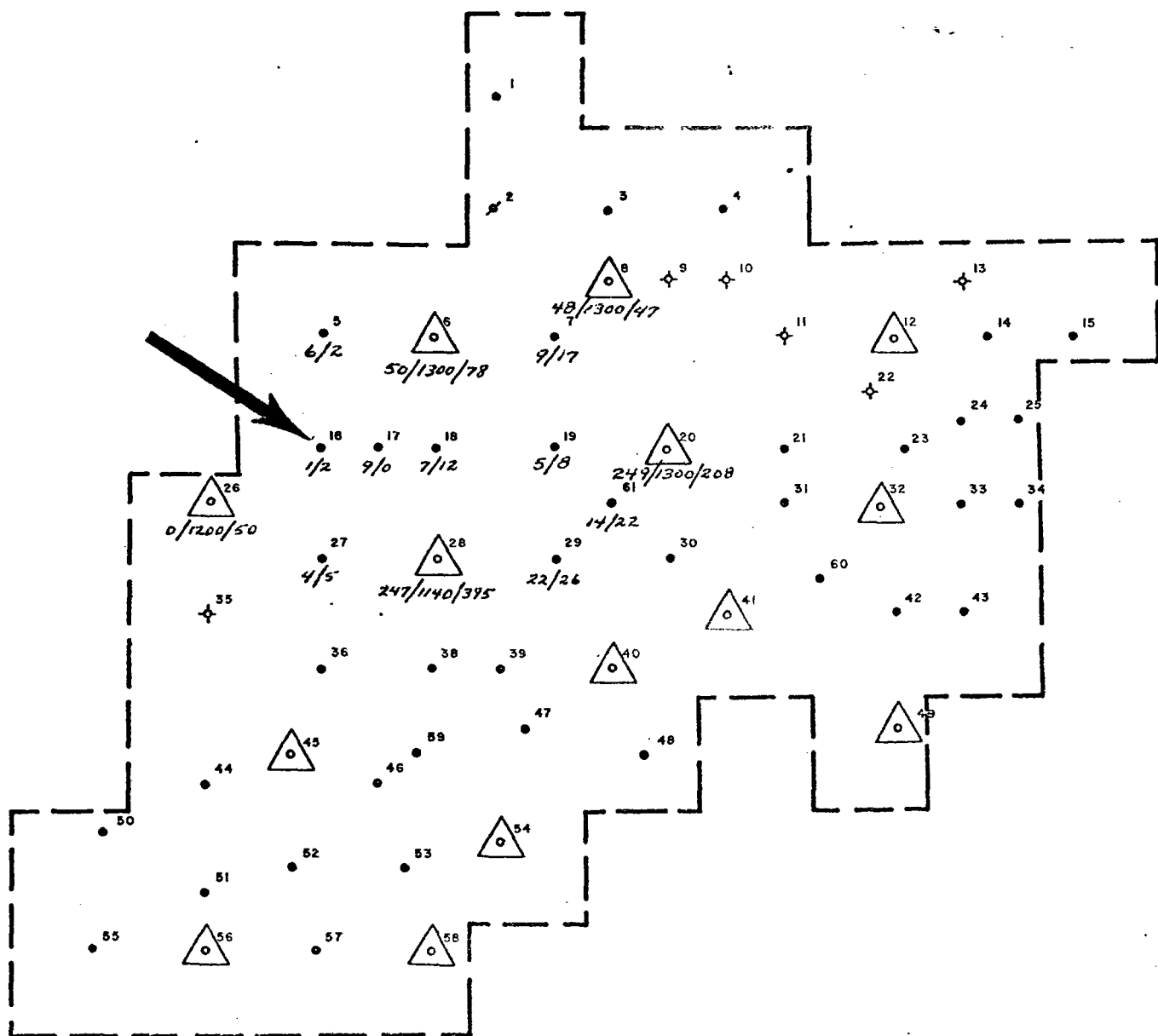
R 27 E


R 28 E



PROPOSED INJECTION WELL  
AMU #16  
330' FSL 990' FWL 24-T175-1  
YATES DRILLING COMPANY  
ARTESIA METEX UNIT  
EDDY COUNTY, NEW MEXICO

UNIT OUTLINE



BOPD/BWPD  
  
 BWIPD/PSIG/Cum MBW

YATES DRILLING COMPANY  
 PROPOSED INJECTION WELL

ARTESIA METEX UNIT

WELL No 16

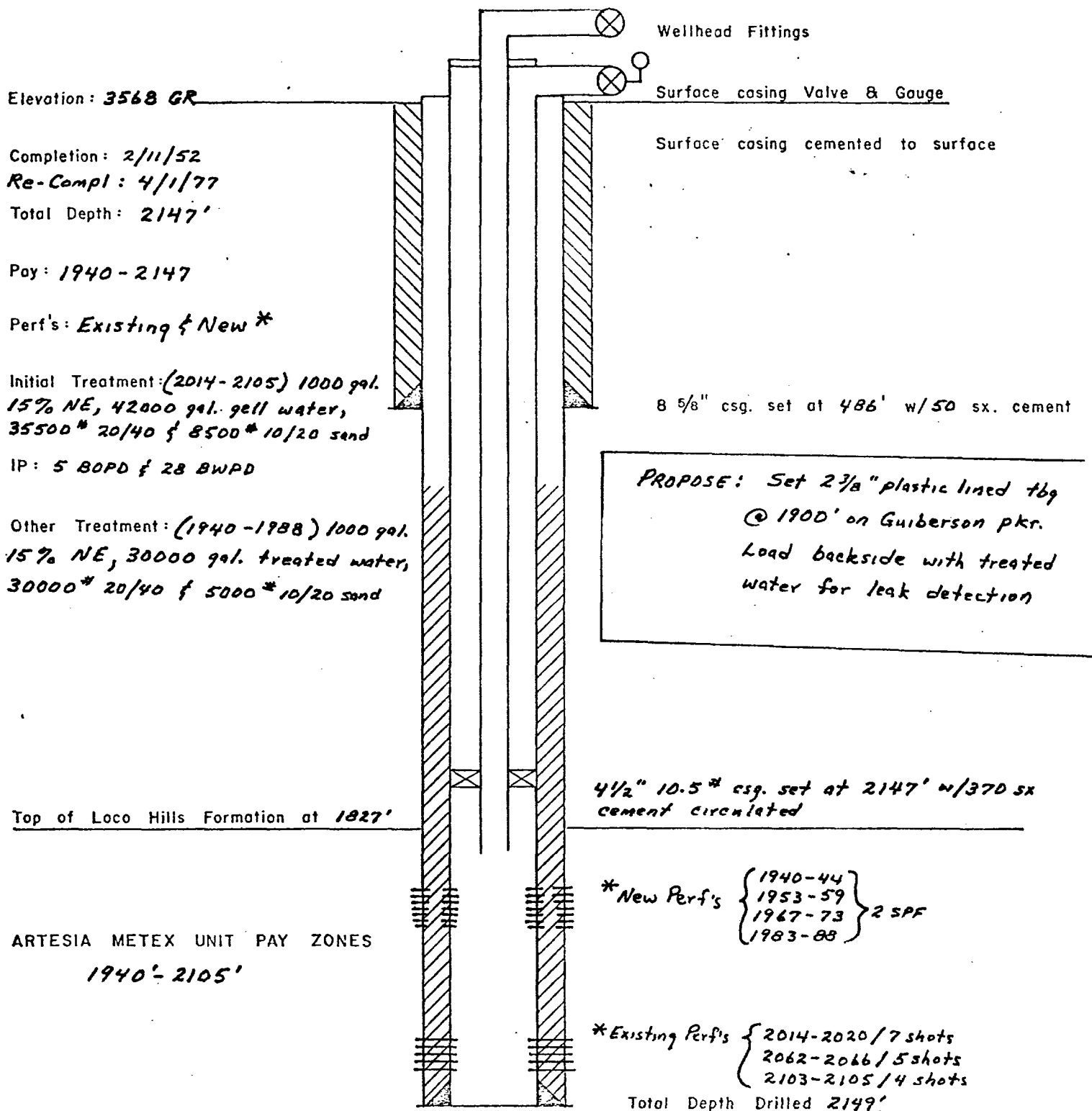
# DIAGRAMMATIC SKETCH OF INJECTION WELL

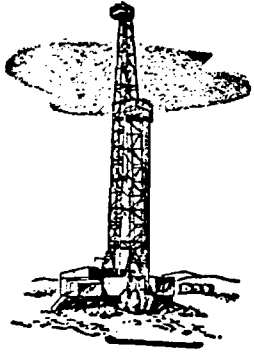
YATES DRILLING COMPANY

ARTESIA METEX UNIT

TRACT N<sup>o</sup> 2 WELL N<sup>o</sup> 16

330' FSL & 990' FWL Sec. 24, T18S, R27E





## YATES DRILLING COMPANY

YATES BUILDING - 207 SOUTH 4TH ST. - (505) 746-3558

ARTESIA, NEW MEXICO - 88210

June 28, 1977

S. P. YATES,  
PRESIDENT

B. W. HARPER,  
SEC. TREAS.

JACK W. MCCAUL,  
ASST. SEC. TREAS.

Depco, Inc.  
1025 Petroleum Club Building  
Denver, Colorado 80202  
ATTENTION: Mr. Charlie Crump

Exxon Company, USA  
P. O. Box 1600  
Midland, Texas 79702  
ATTENTION: Mr. Harle Revis

Re: Offset Operator Notification  
Injection Well Conversion  
Artesia Metex Unit #16  
Eddy County, New Mexico

Gentlemen:

Under New Mexico Oil Conservation Commission rules regulating operation of the Artesia Metex Unit, a Grayburg sand waterflood in Eddy County, New Mexico, we are required to notify you as an off-set operator of our intent to convert the subject well from a producer to an injection well. In addition, we enclose a copy of our conversion application to the NMOCC.

The subject well, Artesia Metex Unit well #16, is located in Unit N, 330 FSL and 990 FNL of Section 24, T18S, R27E, Eddy County, New Mexico, within the Artesia Metex Boundary.

We would appreciate your waiving objection to the proposed conversion, and so notify the Commission.

A notice of waiver form is attached for your convenience.

Yours truly,

YATES DRILLING COMPANY

  
Peyton Yates

PY:jg  
Encls.



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

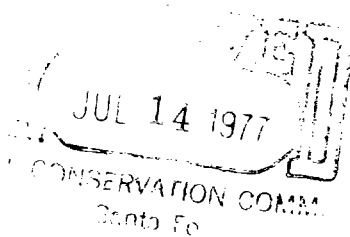
Re: Offset Operator Notification  
Injection Well Conversion  
Artesia Metex Unit #16  
Eddy County, New Mexico

Dear Mr. Ramey:

Depco Inc. wishes to inform the  
Commission that we have received notification and an  
application copy from Yates Drilling Company, operator  
of the Artesia Metex Unit, concerning the proposed con-  
version to water injection of the subject well. As operator  
of an offset 40-acre tract, we have no objection to the  
proposal as submitted to us by Yates.

Yours truly,

C. D. Crump  
VP Prod.



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

Re: Offset Operator Notification  
Injection Well Conversion  
Artesia Metex Unit #16  
Eddy County, New Mexico

Dear Mr. Ramey:

\_\_\_\_\_ wishes to inform the Commission that we have received notification and an application copy from Yates Drilling Company, operator of the Artesia Metex Unit, concerning the proposed conversion to water injection of the subject well. As operator of an offset 40-acre tract, we have no objection to the proposal as submitted to us by Yates.

Yours truly,

RECEIVED JUL 13 1977

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

Re: Offset Operator Notification  
Injection Well Conversion  
Artesia Metex Unit #16  
Eddy County, New Mexico

Dear Mr. Ramey:

EXXON CORPORATION wishes to inform the Commission that we have received notification and an application copy from Yates Drilling Company, operator of the Artesia Metex Unit, concerning the proposed conversion to water injection of the subject well. As operator of an offset 40-acre tract, we have no objection to the proposal as submitted to us by Yates.

Yours truly,

  
L. H. BYRD

OIL CONSERVATION COMMISSION  
Artesia DISTRICT

OIL CONSERVATION COMMISSION  
BOX 2088  
SANTA FE, NEW MEXICO

DATE 7-1-77

RE: Proposed MC \_\_\_\_\_  
Proposed DHC \_\_\_\_\_  
Proposed NSL \_\_\_\_\_  
Proposed SWD \_\_\_\_\_  
Proposed WFX X \_\_\_\_\_  
Proposed PMX \_\_\_\_\_

Gentlemen:

I have examined the application dated 6-28-77  
for the Yates Dry Co. Artesia meter unit #16 M-24-18-27  
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Approval  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Yours very truly,

W. A. Gressett