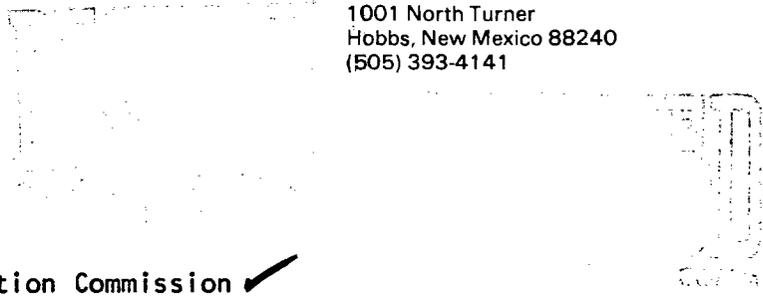




L. P. Thompson  
Division Manager  
Production Department  
Hobbs Division

Western Hemisphere Petroleum Division  
Continental Oil Company  
P.O. Box 460  
1001 North Turner  
Hobbs, New Mexico 88240  
(505) 393-4141



February 26, 1973

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

Attention Mr. A. L. Porter, Jr.  
Secretary Director

*W 11-581*  
*W 11-581*

Gentlemen:

Application for Authority to Convert Three Wells for Water Injection in the South Eunice Unit, Lea County, New Mexico

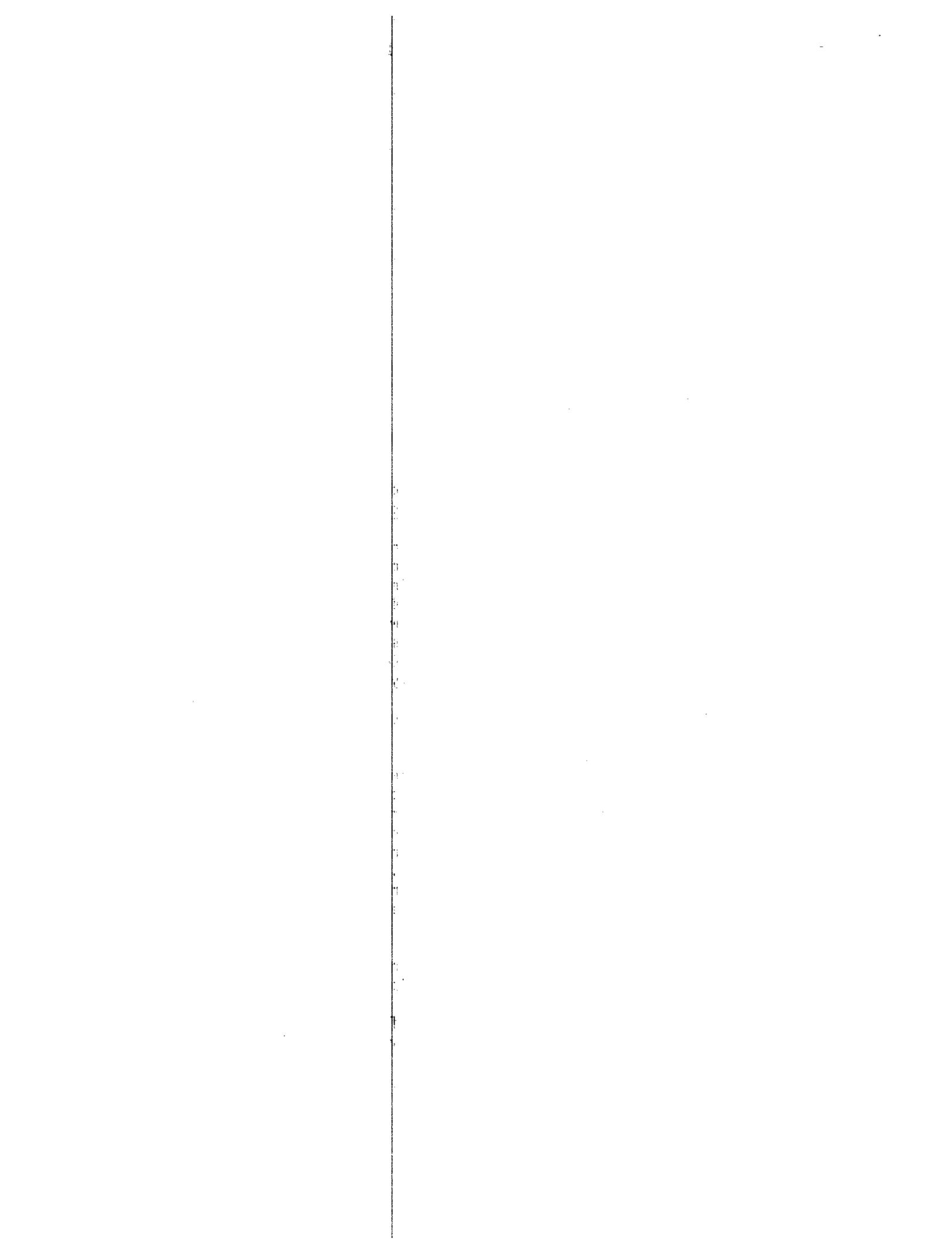
Order No. R-4068 authorized the institution of a waterflood project in the South Eunice Unit area of the South Eunice Pool. Since that order was written, it has been determined by the working interest owners of the South Eunice Unit that the injection pattern should be modified in Section 22. Consequently, it is proposed to convert for water injection South Eunice Unit Wells Nos. 5, 6, and 7, located in Units D, B, and H, respectively, in place of Wells Nos. 8, (formerly Sun Oil Company H.S. Record No. 4), 10 (formerly Sun Record No. 6), and 22 (formerly Continental Oil Company Meyer B-22 Well No. 8), located in Units G, E, and K, respectively, all in Section 22, Township 22 South, Range 36 East, Lea County, New Mexico.

The substitution of wells as described above will result in a peripheral pattern in Section 22 rather than the 80-acre five-spot pattern which was proposed at the hearing in Case No. 4459. Attached hereto, is a plat showing the wells proposed herein to be converted for water injection, the South Eunice Unit area and the immediately surrounding properties. We also attach logs on Wells Nos. 6 and 7 (no log was run on Well No. 5) and schematic diagrams for the three wells to be converted. The wells will be equipped as shown on the schematic diagram and the annular space between tubing and casing above the packer will be filled with an inert fluid and equipped at the surface so that entry of fluid into this space will be readily detectable.

Offset properties are owned by Sun Oil Company and Marathon Oil Company, to each of whom a copy of this application is being furnished. It is respectfully requested that authority be given to convert the wells described above for injection upon receipt of waivers from offset operators or upon the expiration of the waiting period, whichever occurs first.

Yours very truly,

rw  
Enc



New Mexico Oil Conservation Commission  
Page 2  
February 26, 1973

Copy + enc:  
Marathon Oil Company

✓ P. O. Box 220  
Hobbs, New Mexico 88240

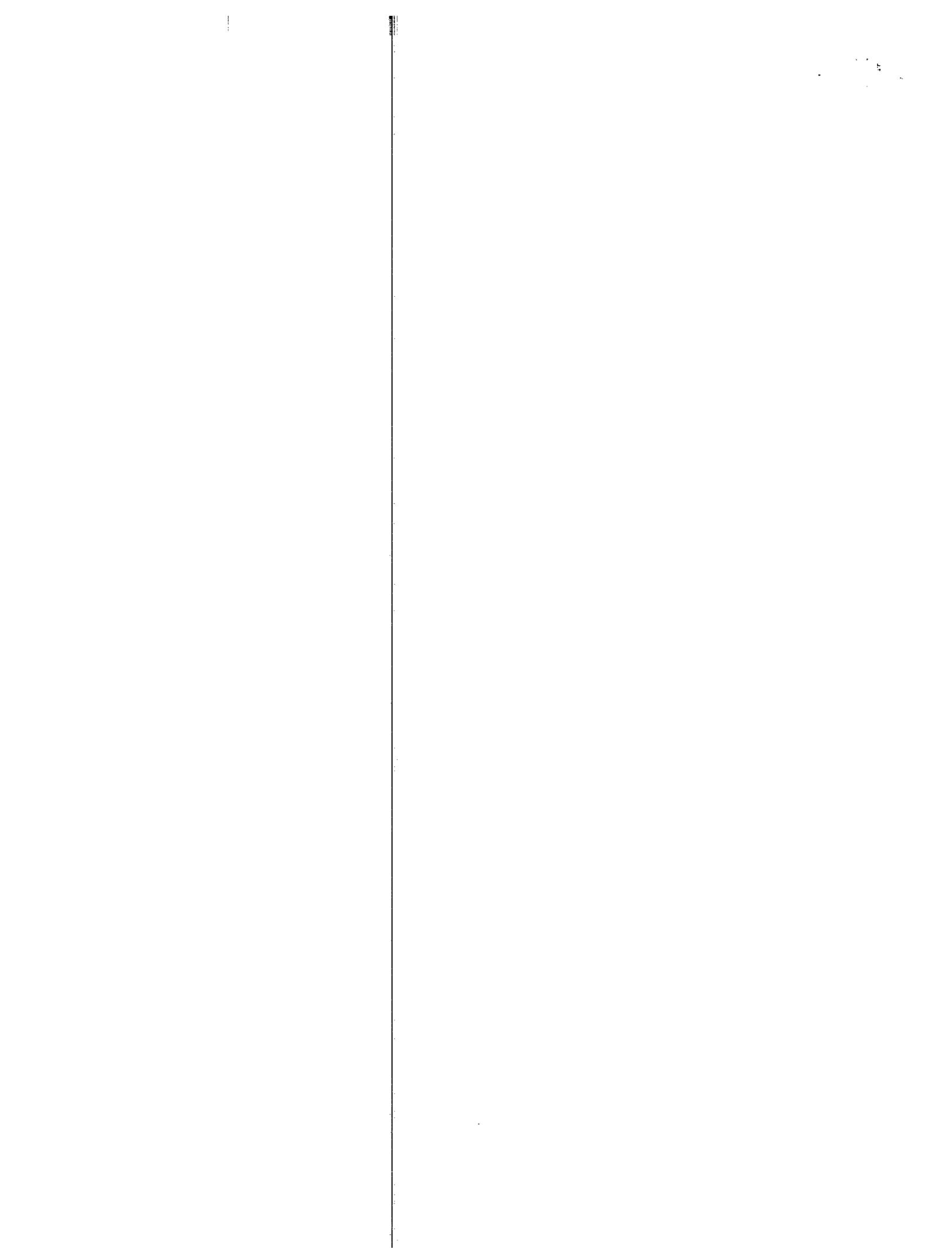
Sun Oil Company

✓ P. O. Box 1861  
Midland, Texas 79701

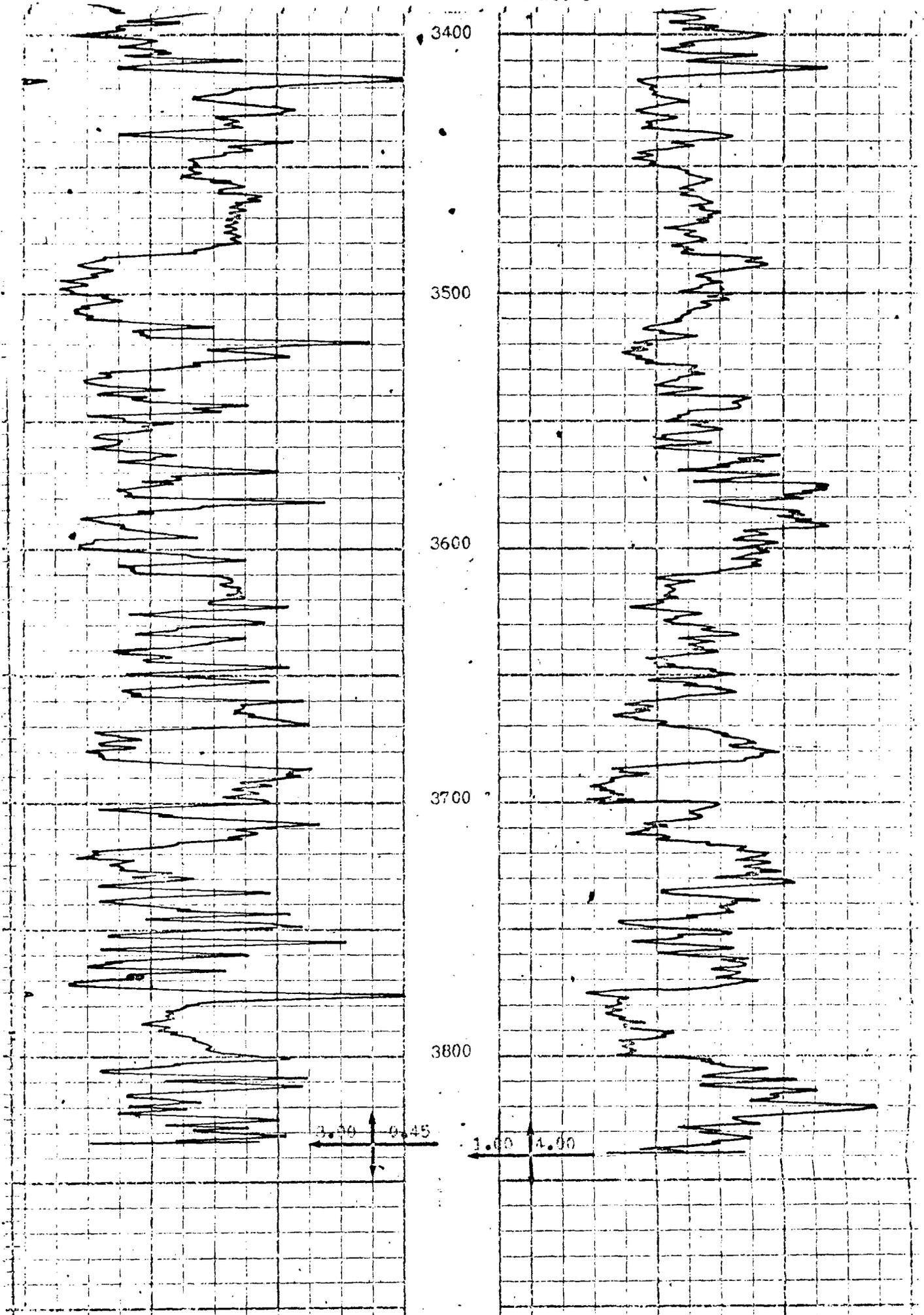
United States Geological Survey  
P. O. Box 1157

Hobbs, New Mexico 88240

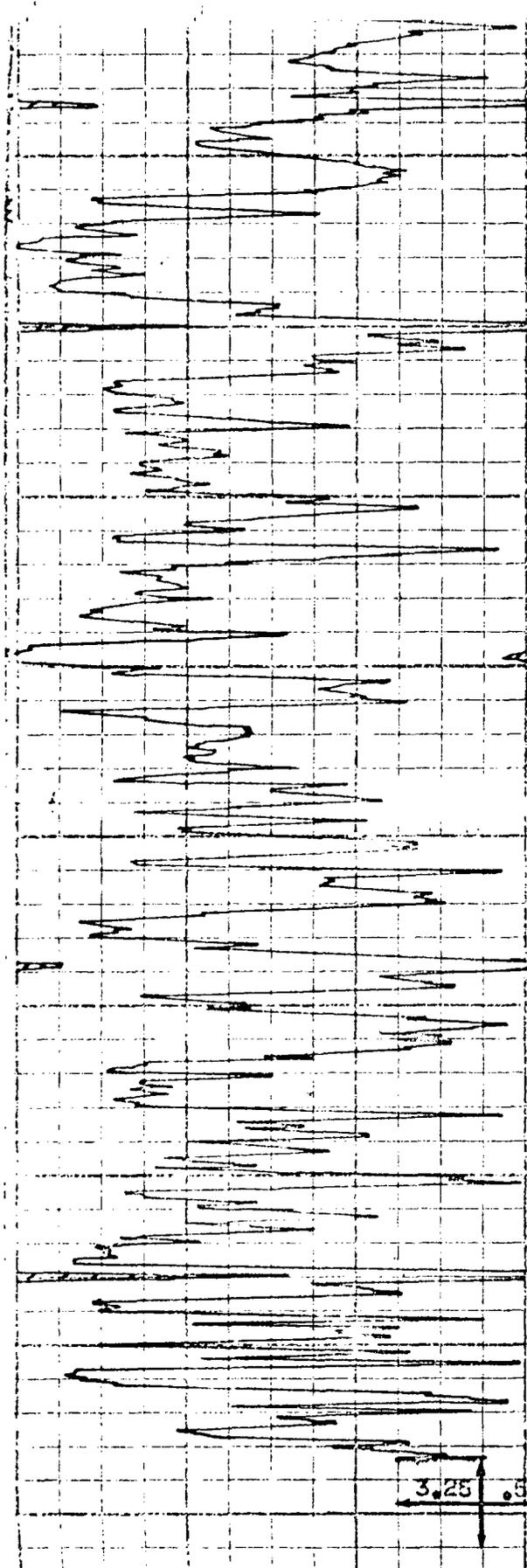
RLA: GAD: JWK:



SOUTH EUNICE UNIT WELL NO. 6



SOUTH EUNICE UNIT WELL NO. 7



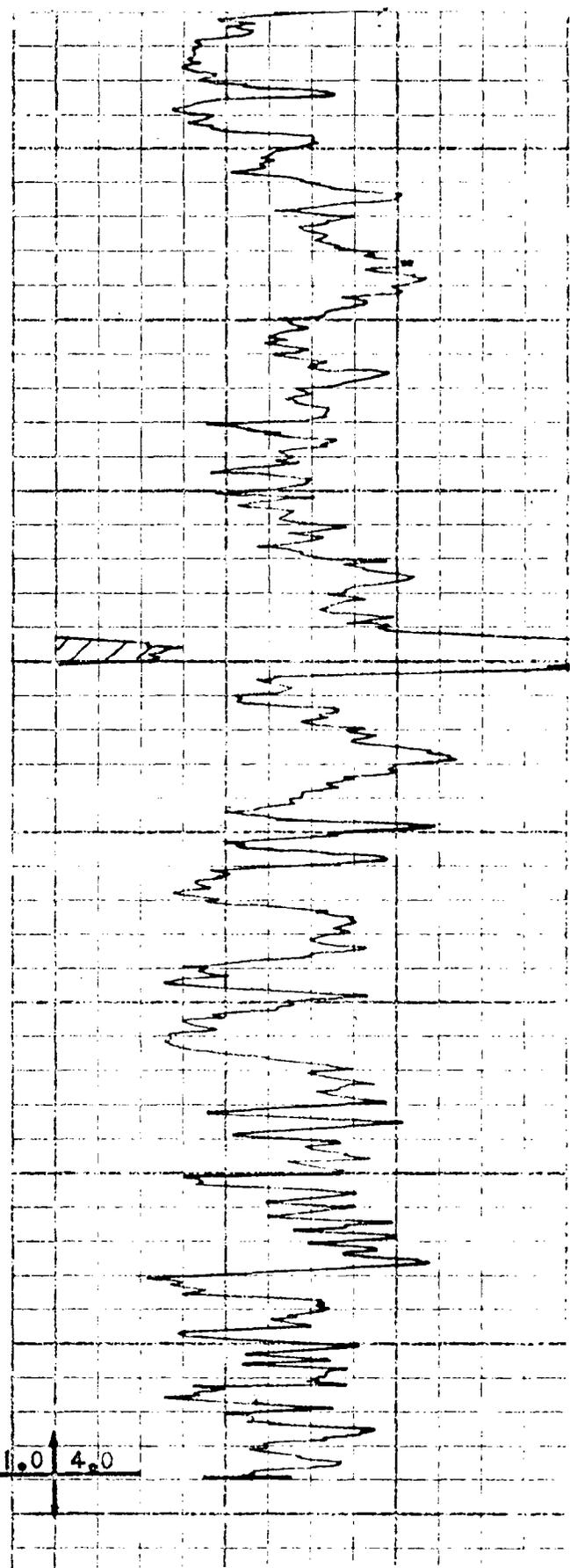
3500

3600

3700

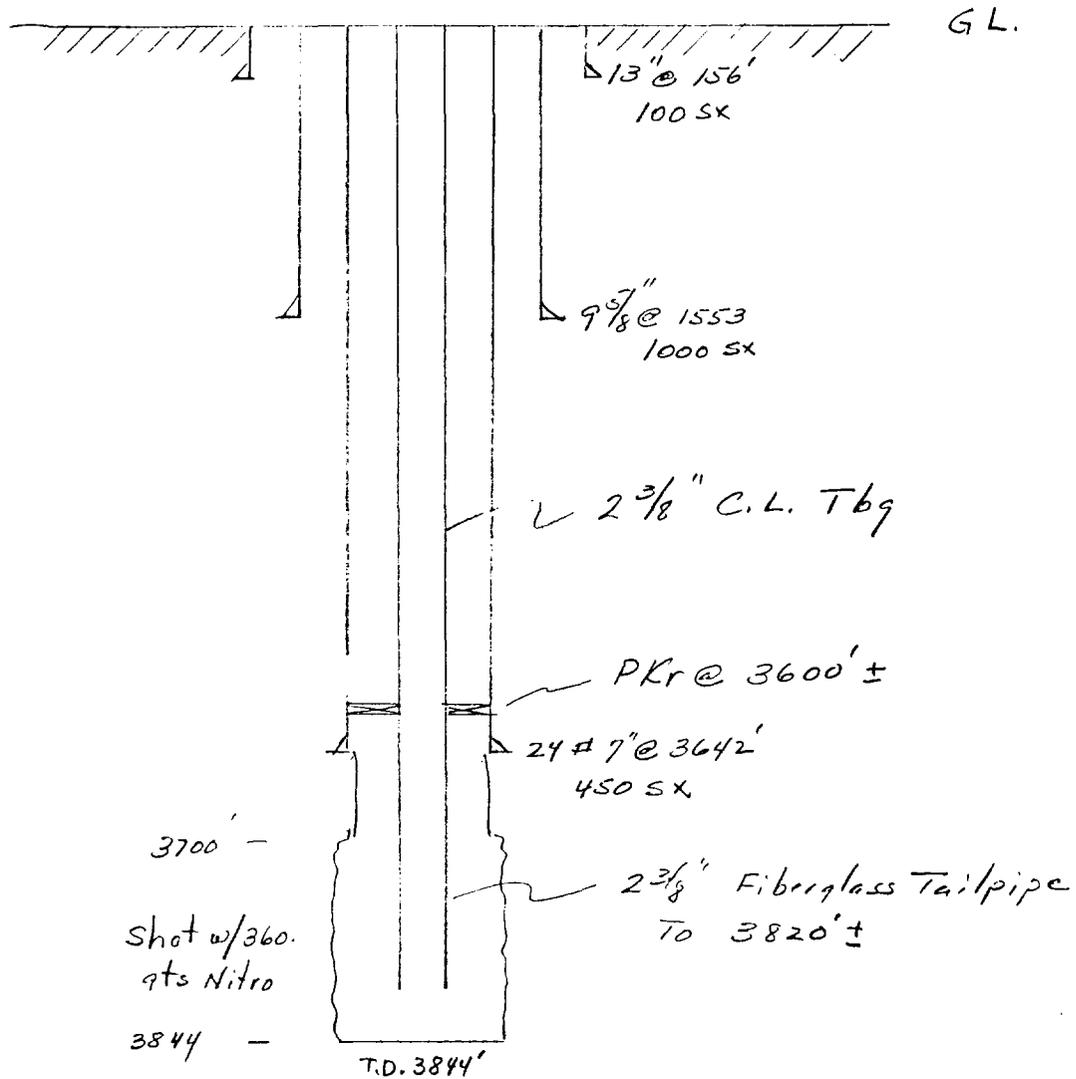
3800

3.25 .55



1.0 4.0

South Eunice Unit No 5  
 660' f N & W Lines 22-22-36  
 Elev: 3539 DF 6' AGL



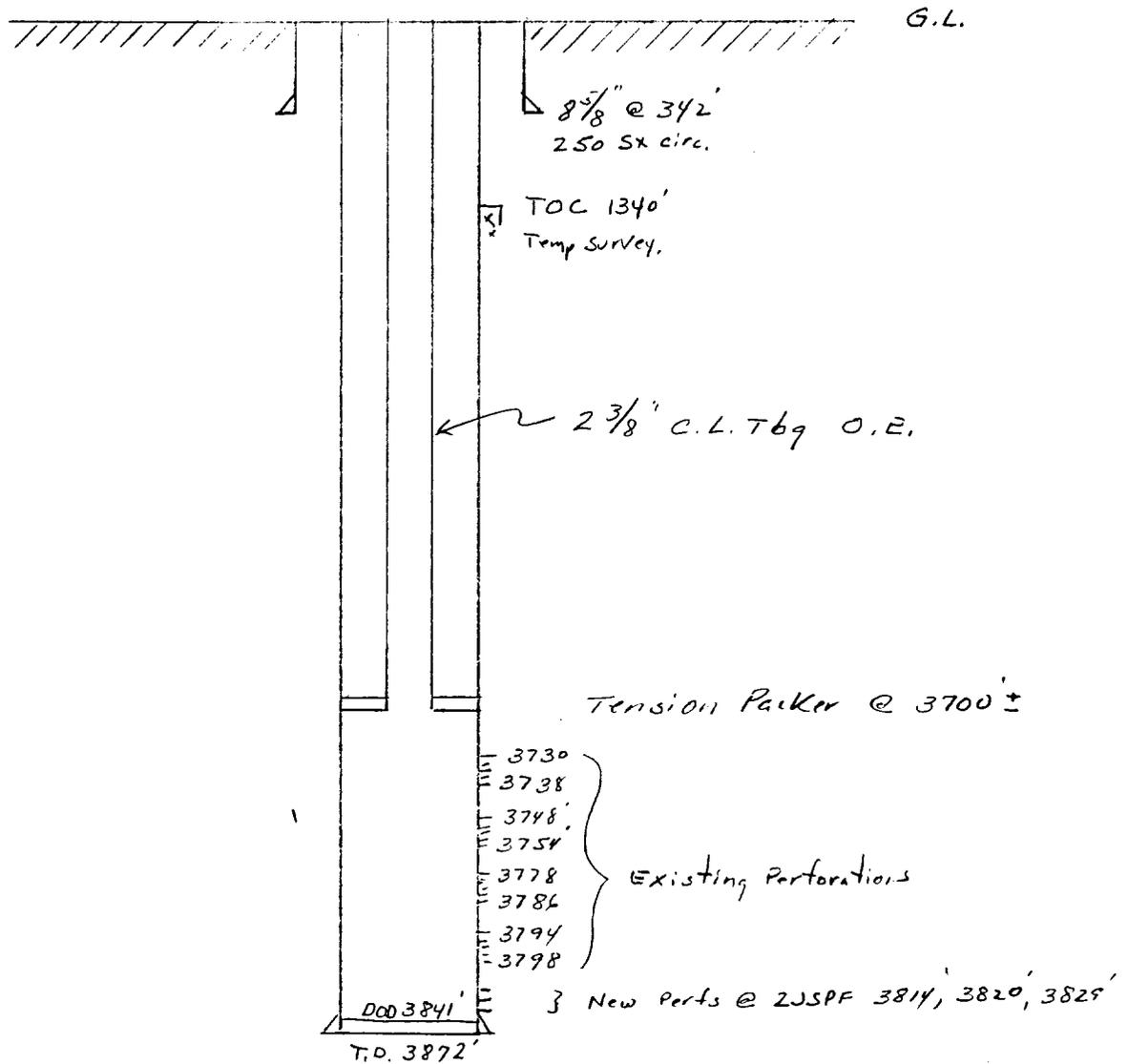
Proposed Conversion

1. Clean out to 3844' TD.
2. Run logs
3. Run 2 3/8" C.L. Tubing & Packer with 220' Fiberglass Tailpipe
4. Spot Packer Fluid - set Packer and commence Injection.

R.L.F.

2/16/73

South Eunice Unit No 6  
 660' N & 1980' E 22-22-36  
 Elev: 3544' OF 9' AGL



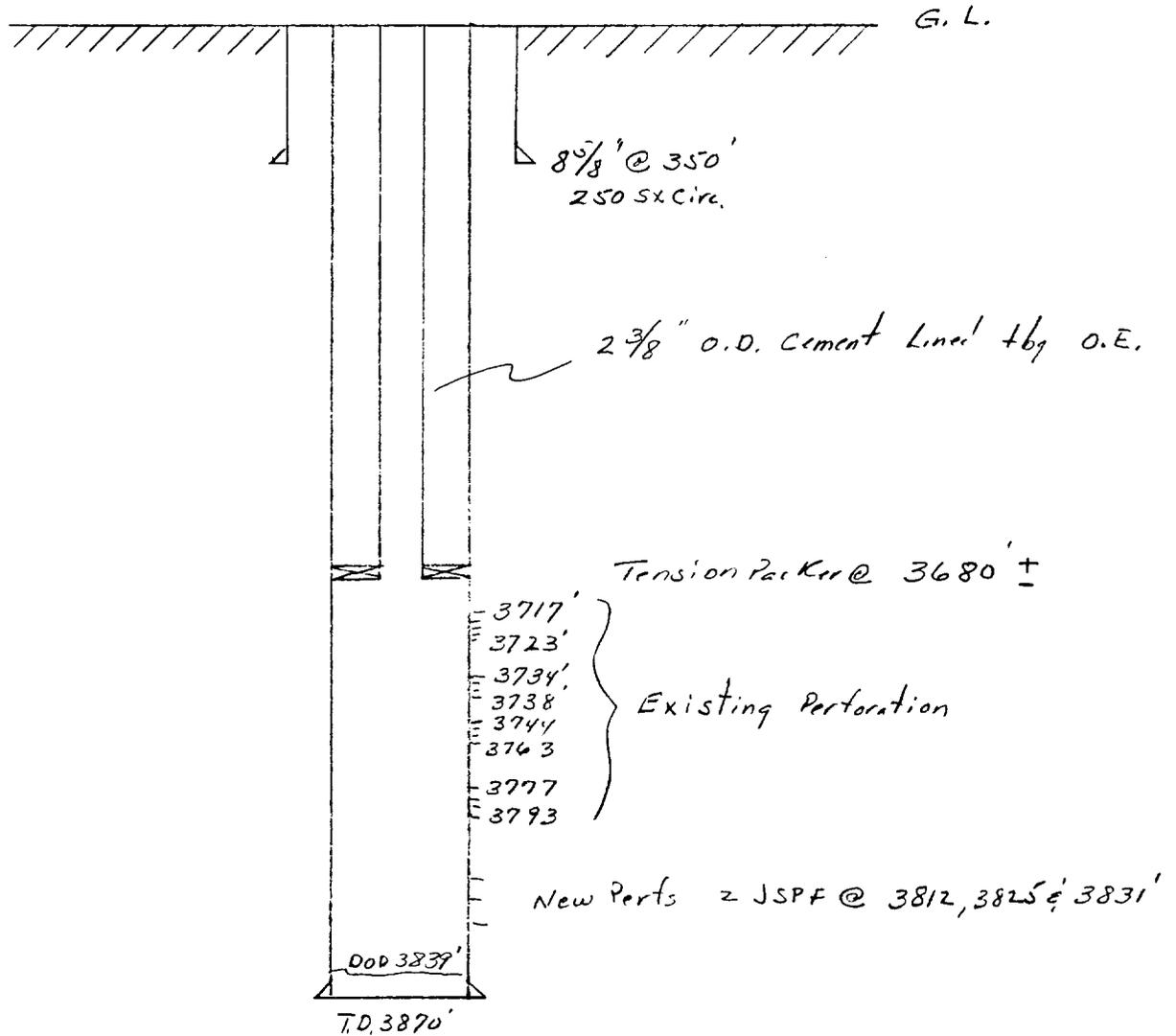
Proposed Conversion

1. clean out to 3841' DOD
2. Perforate @ 3814', 3820' and 3829' & Breakdown w/ Acid.
3. Run 2 3/8" O.D. Cement Lined tubing w/ Packer.
4. spot packer fluid. Set Packer and commence Injection.

R.L.F

2/20/73

South Eunice Unit No 7  
 1980' + N & 990' + E 22-22-36  
 Elev: 3538' 10' AGL

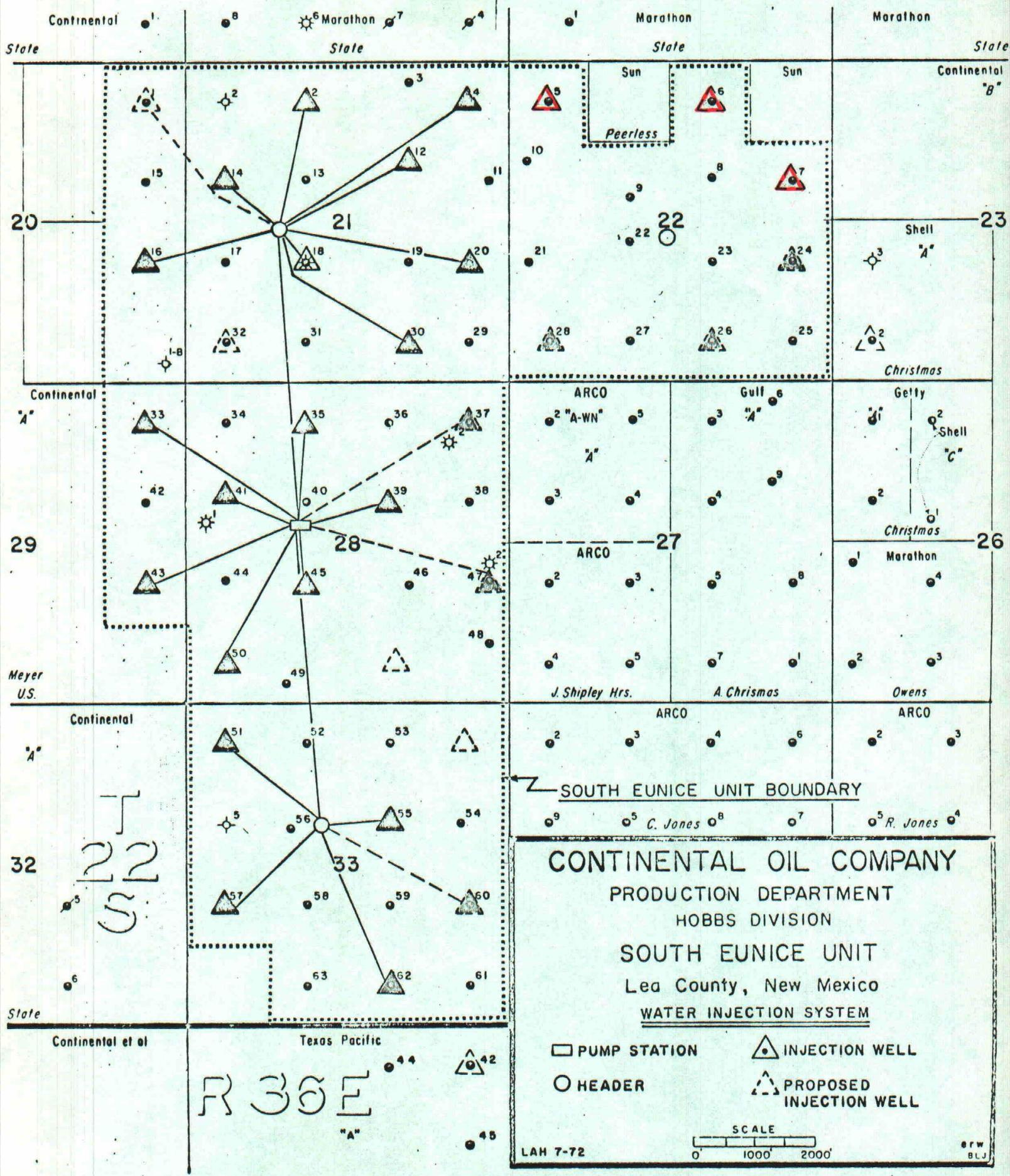


Proposed Conversion

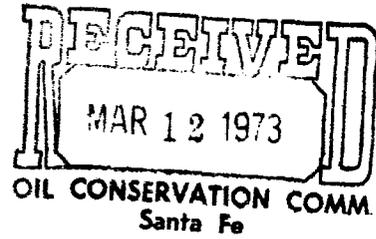
1. Clean out to 3839' DOD
2. Perforate w/ 2 JSPF @ 3812, 3825 and 3831' & Breakdown w/Acid
3. Run 2 3/8" Cement lined tubing w/PKR
4. Spot Packer Fluid. Set Packer & Commence Injection.

R.L.F

2/20/73



- 
 WELLS PLACED ON INJECTION 12-4-72  
 INITIAL RATE 7900 BWPD INTO 16 WELLS, WHP 0-200 PSI
- 
 LEASE LINE WELLS
- 
 PROPOSED REVISED PATTERN WELLS



February 26, 1973

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

Attention Mr. A. L. Porter  
Secretary Director

Gentlemen:

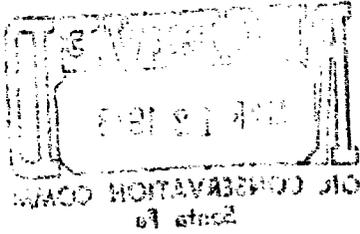
Application for Authority to Substitute Injection Wells, South Eunice  
Unit, Lea County, New Mexico

We have received a copy of Continental Oil Company's application for authority to convert South Eunice Unit Wells Nos. 5, 6, and 7 to water injection. The undersigned is an offset operator to the unit and to the proposed injection wells and hereby states that it has no objection to the application.

Yours very truly,

COMPANY Sun Oil Co  
BY [Signature]  
DATE 2/2/73

rw



February 26, 1973

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

Attention Mr. A. J. Porter  
Secretary Director

Dear Sir:

Application for Authority to Subsurface Injection Santa Fe, New Mexico  
Unit, Las Comas, New Mexico

We have received a copy of Continental Oil Company's application for authority to convert Santa Fe Unit into Unit Wells Nos. 1, 2, and 3 for water injection. The undersigned is an officer operator to the said and the proposed injection wells and hereby states that it has no objection to the application.

Yours very truly,

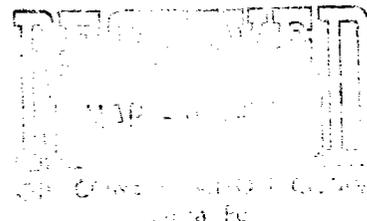
DEBBY  
*[Handwritten signature]*  
2/12/73



L. P. Thompson  
Division Manager  
Production Department  
Hobbs Division

Western Hemisphere Petroleum Division  
Continental Oil Company  
P. O. 460  
1001 North Turner  
Hobbs, New Mexico 88240  
(505) 393-4141

February 26, 1973



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

Attention Mr. A. L. Porter  
Secretary Director

Gentlemen:

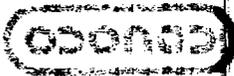
Application for Authority to Substitute Injection Wells, South Eunice  
Unit, Lea County, New Mexico

We have received a copy of Continental Oil Company's application for authority to convert South Eunice Unit Wells Nos. 5, 6, and 7 to water injection. The undersigned is an offset operator to the unit and to the proposed injection wells and hereby states that it has no objection to the application.

Yours very truly,

COMPANY Marathon Oil Company  
BY *Robert O. DeLo*  
District Petr. Engr.  
DATE March 6, 1973

rw



Western Hemisphere Petroleum Division  
Continental Oil Company  
P.O. Box 100  
1001 North Texas  
Lubbock, New Mexico 88240  
(505) 883-4141

L. R. Thompson  
Division Manager  
Recreation Department  
Recreation Division

February 26, 1973

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

Attention Mr. A. L. Porter  
Secretary Director

Gentlemen:

Application for Authority to Substitute Injection Wells, South Eunice  
Unit, Lea County, New Mexico

We have received a copy of Continental Oil Company's application for authority to convert South Eunice Unit Wells Nos. 2, 6, and 7 to water injection. The undersigned is an offset operator to the unit and to the proposed injection wells and hereby states that it has no objection to the application.

Yours very truly,

COMPANY

BY 

DATE

LW