



March 12, 1973

Mr. A. L. Porter, Jr.  
Secretary-Director  
New Mexico Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico 87501

*WIX - 390*

*1000 - 30*

*South Hospah Unit*

RE: Water injection  
Hospah #20, #40, and #56  
Upper Hospah Unit  
Section 12, T17N, R9W  
McKinley County, New Mexico

Dear Sir: *Tenneco South Upper Hospah*  
*South Hospah-Upper Sand C. 1.14*

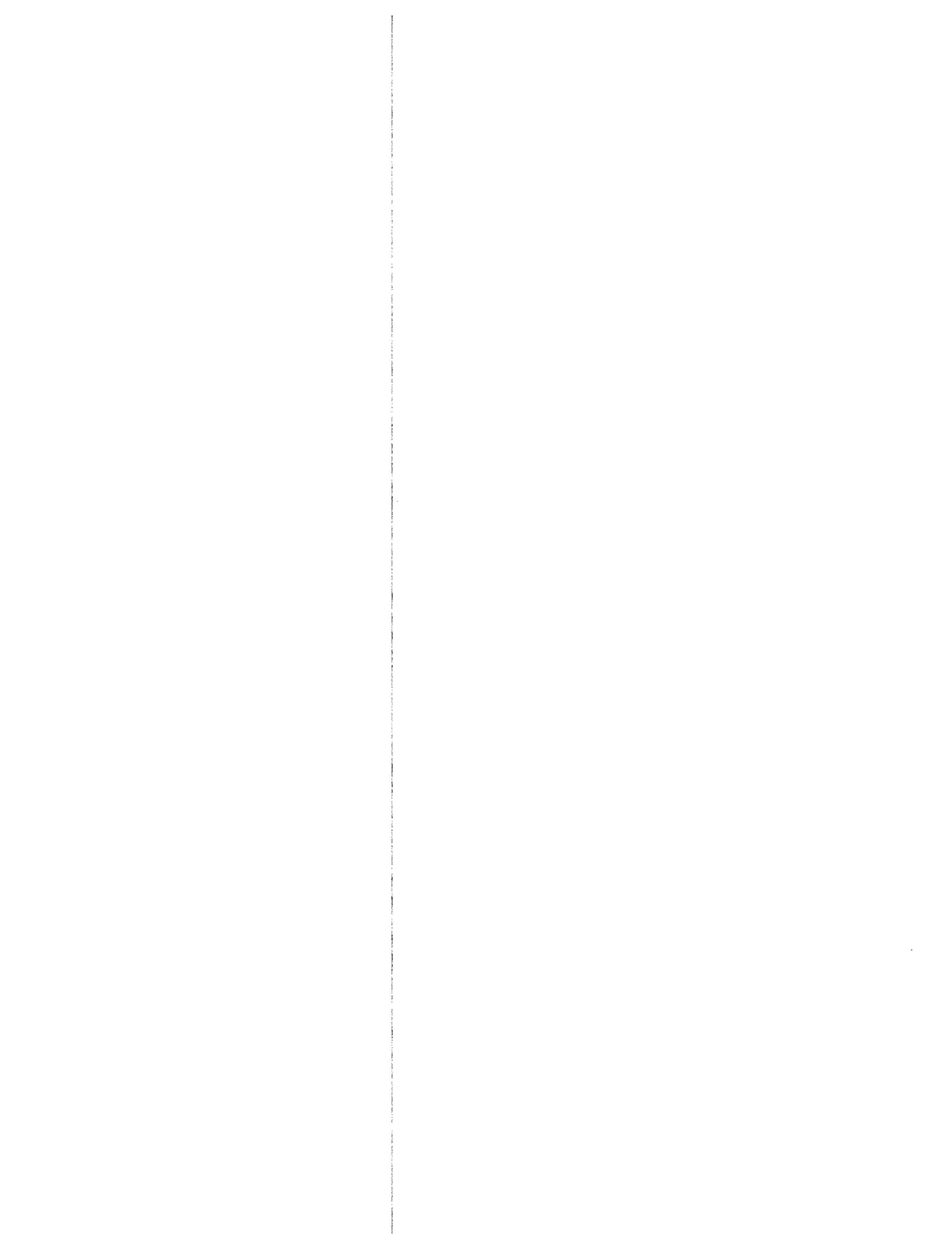
Tenneco Oil Company, as operator of the Upper Hospah Unit, respectfully submits application for administrative approval to inject water into the Upper Hospah Sand through the Hospah #20, #40, and #56. We plan to convert the #20 and #40, currently producers, to injection status and drill the #56. The location of the Hospah #56 will be 1100' FNL & 1275' FEL of Section 12. In support of this request, we are enclosing the following:

- (1) A well location plat showing the location of the proposed wells and all operators and wells within a two mile radius.
- (2) Schematic of the proposed wells showing casing size, cement tops, and elevations.

Authority to inject water into the Upper Hospah Sand was originally granted to Tenneco by Commission Order No. R-3325.

The area in which the proposed injection wells will be located is not currently being swept by existing patterns. The expected flood patterns of the three wells will increase daily production and ultimate recovery.

By copy of this letter, Tesoro Petroleum Corporation, the only offset operator, is being notified of our intention to



## TENNECO OIL COMPANY

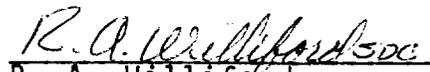
Mr. A. L. Porter, Jr.  
Page 2

inject water into the Hospah #20, #40, and #56.

Your approval will be appreciated.

Respectfully submitted,

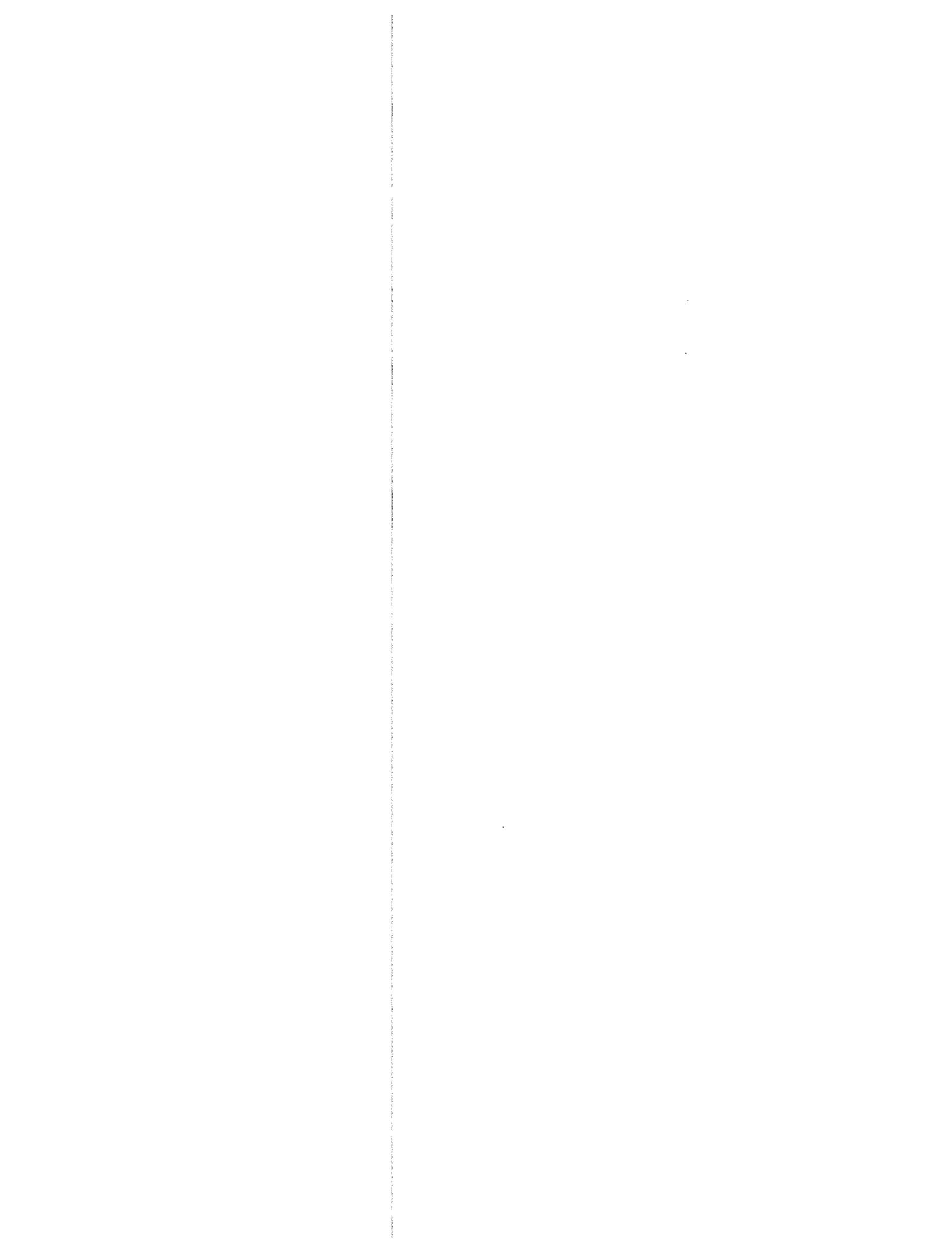
TENNECO OIL COMPANY

  
R. A. Williford  
District Production Manager

WEB/lj

Attachments

cc: Mr. Harold Vagtborg  
Tesoro Petroleum Corporation  
8520 Crownhill Blvd.  
San Antonio, Texas 78209



K.B. Elev. N A

2000 psi Gauge

G.L. Elev. 7013

Location: 2310 FSL  
1392 FEL  
Sec. 12, T17N, R9W  
McKinley County,  
New Mexico

Est. Top Cement @ 1021'

2 3/8" E.U.E. Tbg.

4 1/2" Model "D" Packer  
@ Approx. 1550'

Hospah Zone

PBTD 1635'

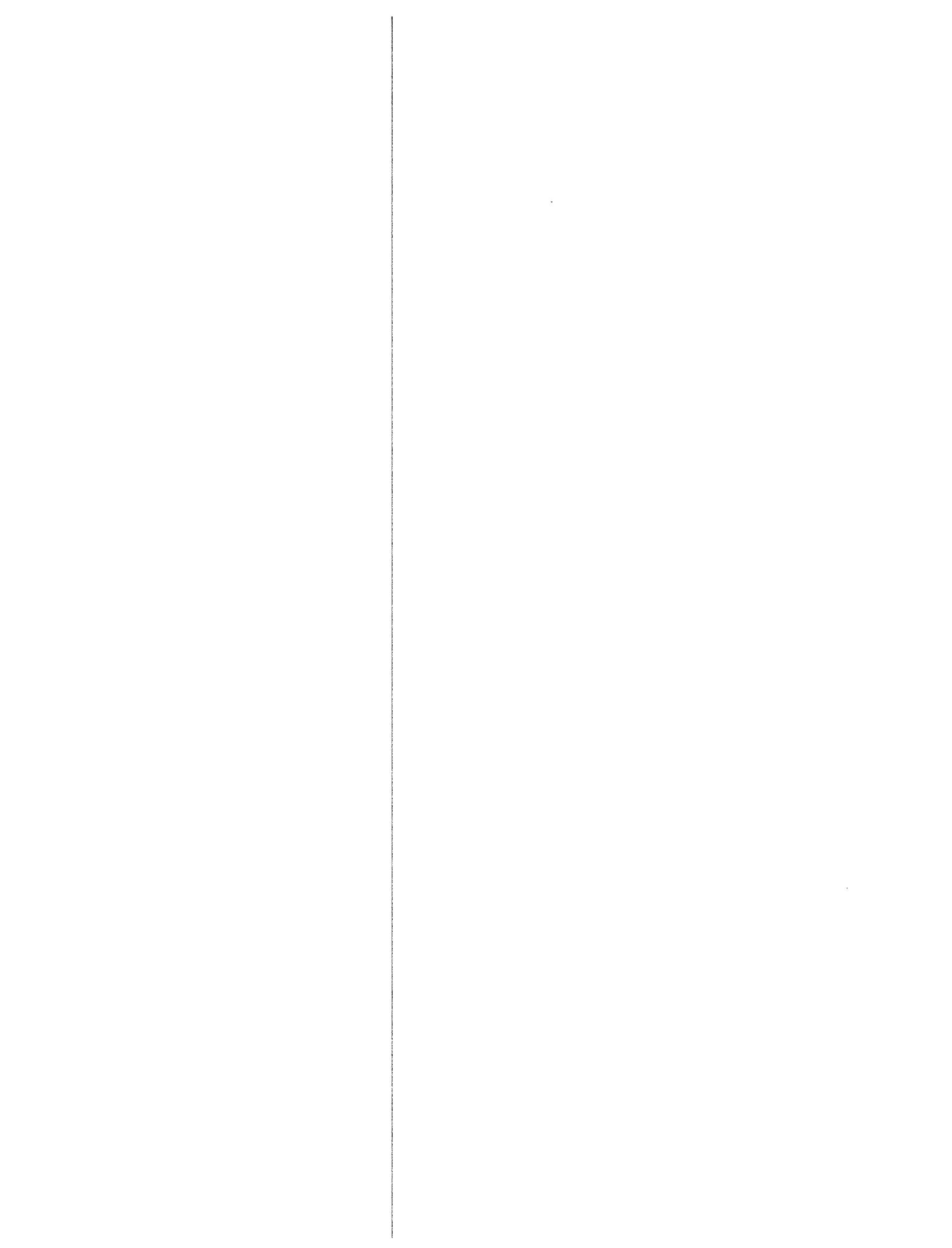
Perts. - 1590-94  
1607-17

4 1/2" Csg @ 1647'  
w/ 60 Sks.

TD 1647'

All Measurements Based On Gamma Ray Log

TENNECO OIL COMPANY SOUTH HOSP AH UNIT
McKINLEY COUNTY, NEW MEXICO
CONCEPT DIAGRAM OF WATER INJECTION WELL HOSP AH CO. 20



K.B. Elev. 7001

2000 psi Gauge

G.L. Elev. 6989

Location: 2420' FNL  
1150' FEL  
Sec. 12, T17N, R9W  
McKinley County,  
New Mexico

8 5/8" Csg. @ 71'  
w/ 75 Sks.

Est. Top Cement @ 1385'

2 3/8" E.U.E. Tbg.

5 1/2" Model "D" Proker  
① Approx. 1550'

Hospah zone

P&TD 1630'

1576-78  
1584-88  
1591-94  
1598-1600  
1610-1614  
Peris.

5 1/2" Csg. @ 1637'  
w/100 Sks.

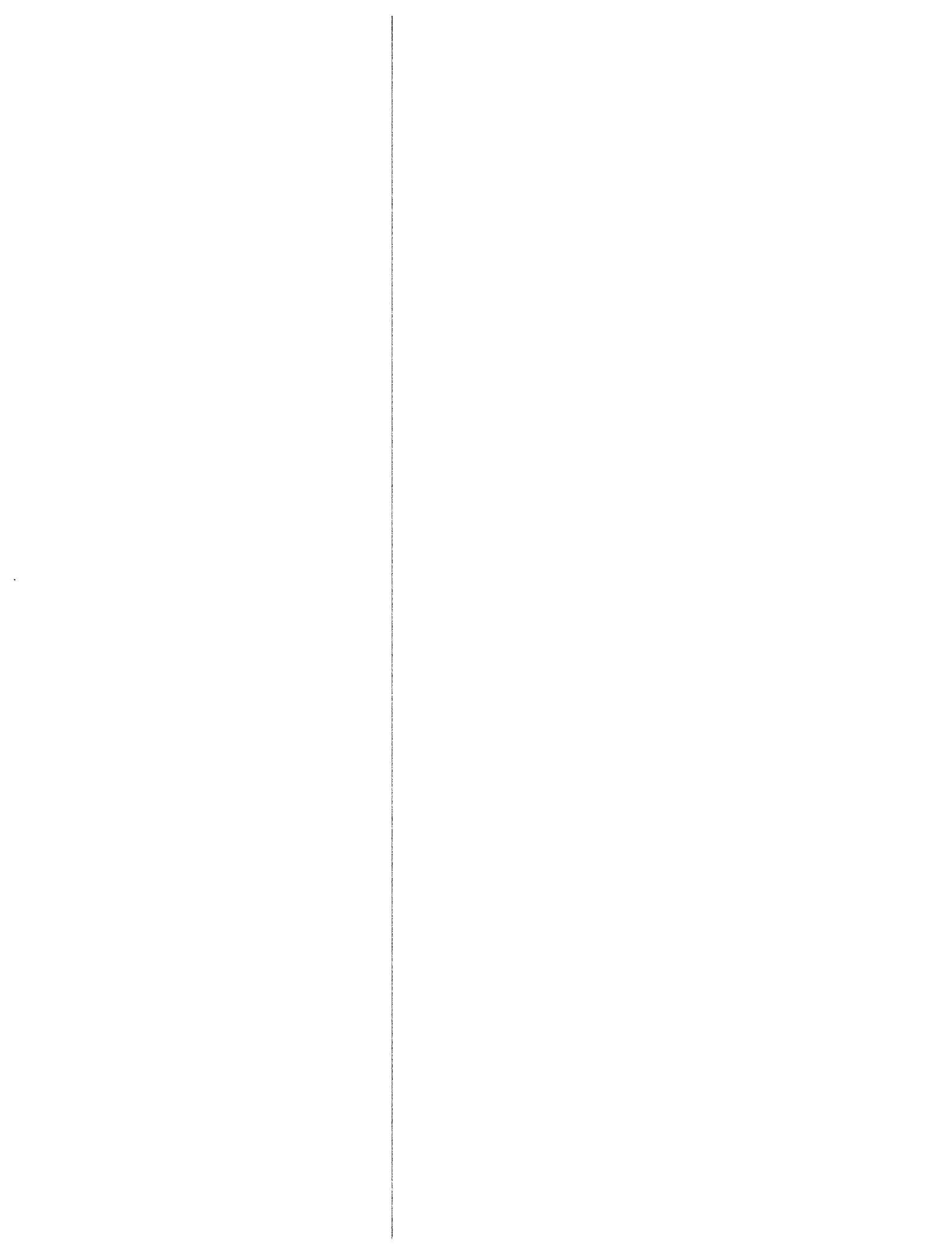
TD 1637'

All Measurements Based On Gamma Ray Log

TETRAPOLE OIL COMPANY

SOUTH HOSPASH UNIT

WATER INJECTION WELL  
HOSPASH ... 40



K.B. Elev. 6980'(est)

2000 psi Gauge

G.L. Elev. 6960(est)

Location: 1100' FNL  
61275 FEL  
Sec. 12, T17N, R9W  
McKinley County,  
New Mexico

8 5/8" Csg. @ 60  
w/70 Sks.

Est. Top Cement @ 1000'

2 3/8" E.U.E. Tbg.

5 1/2" Model "D" Packer  
@ Approx. 1520

Hospah Zone

PBTD 1560'

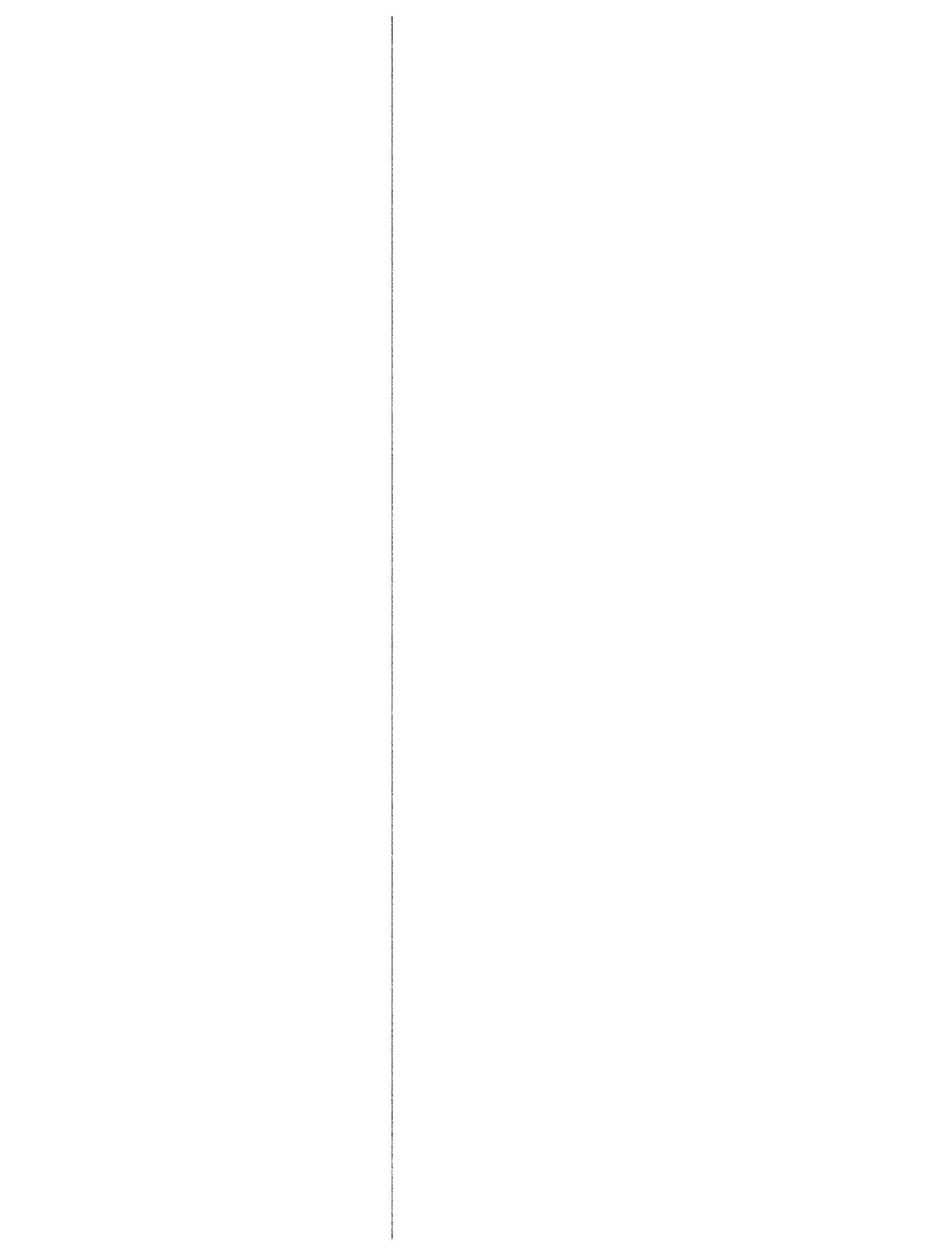
Peris. - TO  
BE DET.

5 1/2" Csg @ 1590  
w/100 Sks.

TD 1590'

All Measurements Based On Gamma Ray Log

TENNECO OIL COMPANY
<b>SOUTH HOSPAH UNIT</b>
McKINLEY COUNTY, NEW MEXICO
SYNCRETIC SYSTEM OF
<b>WATER INJECTION WELL</b>
<b>HOSPAH NO. 56</b>



**Tenneco Oil**  
A Tenneco Company

Suite 1200  
Lincoln Tower Building  
Denver, Colorado 80203  
(303) 292-9920



Mr. A. L. Porter, Jr.  
Secretary - Director  
New Mexico Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico 87501

RE: Tenneco Oil Company's application  
to inject water through the  
Hospah #20, #40, and #56  
Upper Hospah Unit  
McKinley County, New Mexico

Dear Sir:

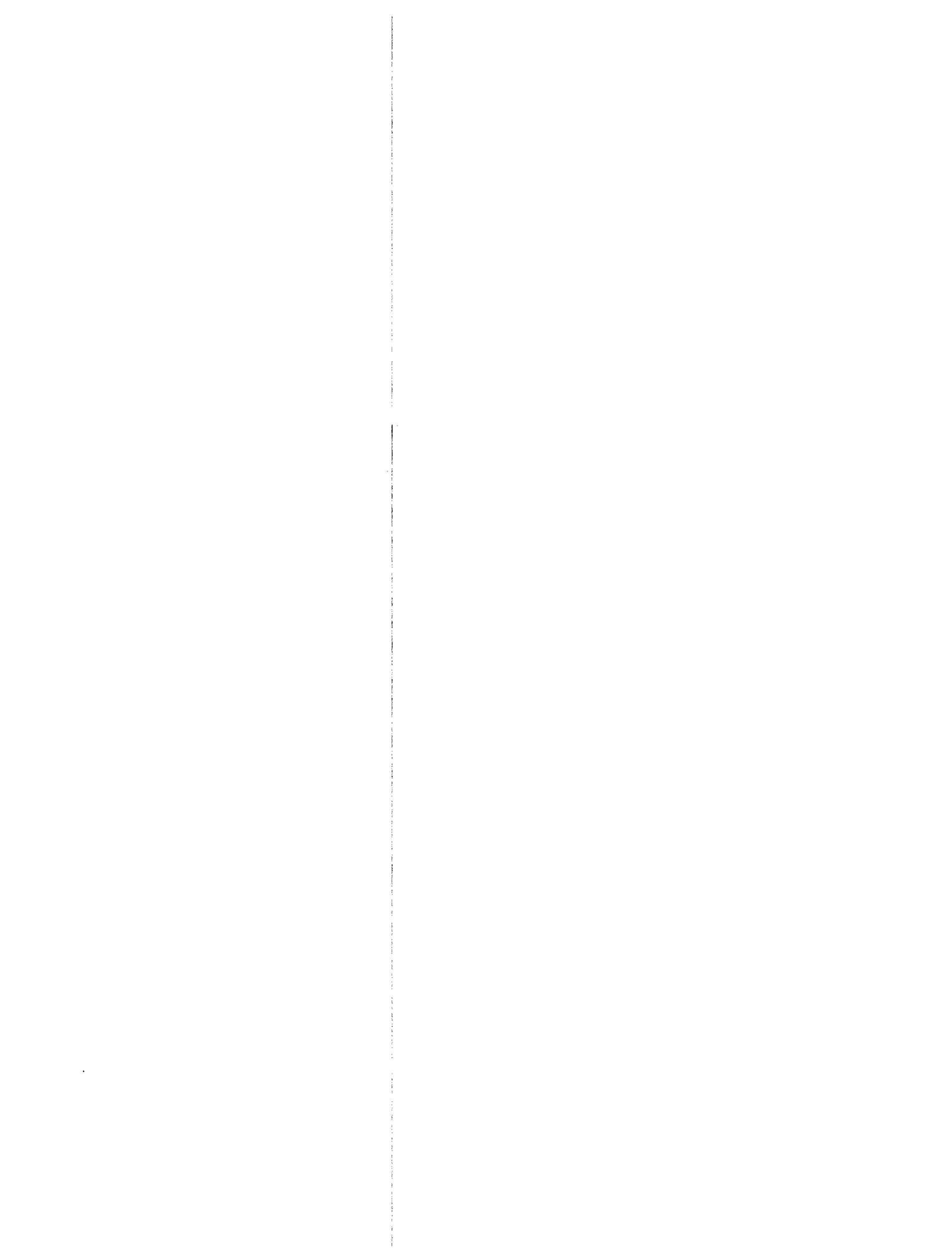
I, Harold Vagtborg, Jr., Vice-President of  
Tesoro Petroleum Corporation have received a copy of  
Tenneco's application for administrative approval to  
inject water into the captioned wells. As the only  
offset operator, Tesoro Petroleum Corporation hereby  
waives objection to the Tenneco application.

Yours very truly,

TESORO PETROLEUM CORPORATION

Harold Vagtborg Jr.

WEB/lj



LARGE FORMAT  
EXHIBIT HAS  
BEEN REMOVED  
AND IS LOCATED  
IN THE NEXT FILE

