



L. P. Thompson
Division Manager
Production Department
Hobbs Division

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

April 28, 1977

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

Attention Mr. J. D. Ramey, Secretary-Director

Gentlemen:

Application for Authority to Expand North El Mar Unit Waterflood Project
for NEMU No. 62

Continental Oil Company by virtue of Order Nos. R-3486, R-3540, and R-4629 has received authority to inject water into the Delaware sand in the wells on its North El Mar Unit in Township 26 South, Ranges 32 and 33 East, Lea County, New Mexico.

Continental now wishes to expand this waterflood project by adding as an injection well North El Mar Unit No. 62 located 330 feet from the south line and 330 feet from the east line of Section 36, Township 26 South, Range 32 East. This well has been drilled specifically for injection in accordance with a lease line agreement negotiated with Texaco, Inc. for cooperative flooding with the El Mar (Delaware) Unit in Loving County, Texas.

The attached plat shows the injection wells by the triangular symbol and an arrow pointing to the well for which permission to inject is requested in this application.

A portion of the acoustilog showing the injection interval is also attached. The gross injection interval is 4618-4660 feet.

A schematic diagram is attached showing the casing, tubing, setting depth, volumes and top of cement, packer type and setting depth. This diagram shows the manner in which the well will be equipped for injection. Injection volumes and pressures will be the same as were authorized in the Orders mentioned above.



New Mexico Oil Conservation Commission

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✓ A copy of this application is being sent to Texaco, Inc., the only offset operator. It is respectfully requested that administrative approval of this application be given as soon as possible.

Yours very truly,

A handwritten signature in cursive script, appearing to read "L. P. Thompson".

L. P. Thompson

jj

Enc

CC:

New Mexico Oil Conservation Commission - Hobbs

Texaco, Inc. - Midland

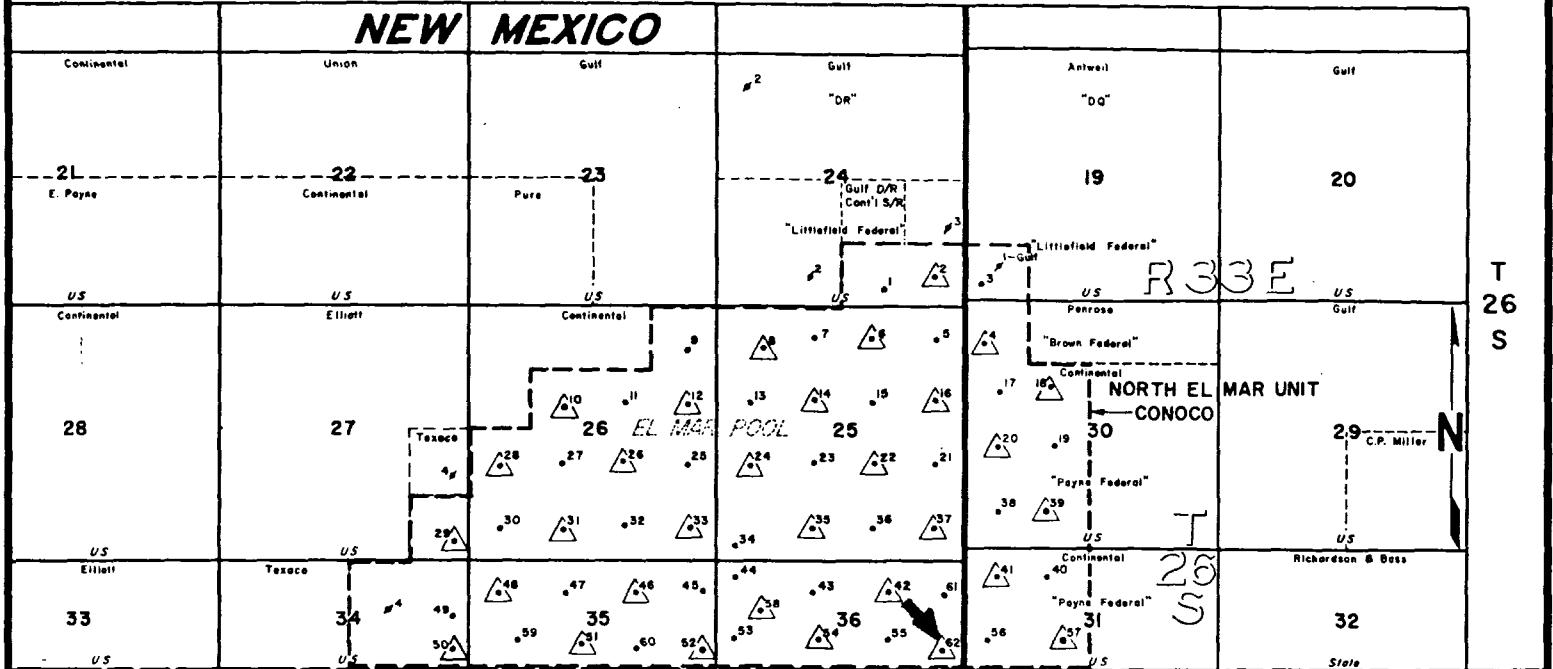
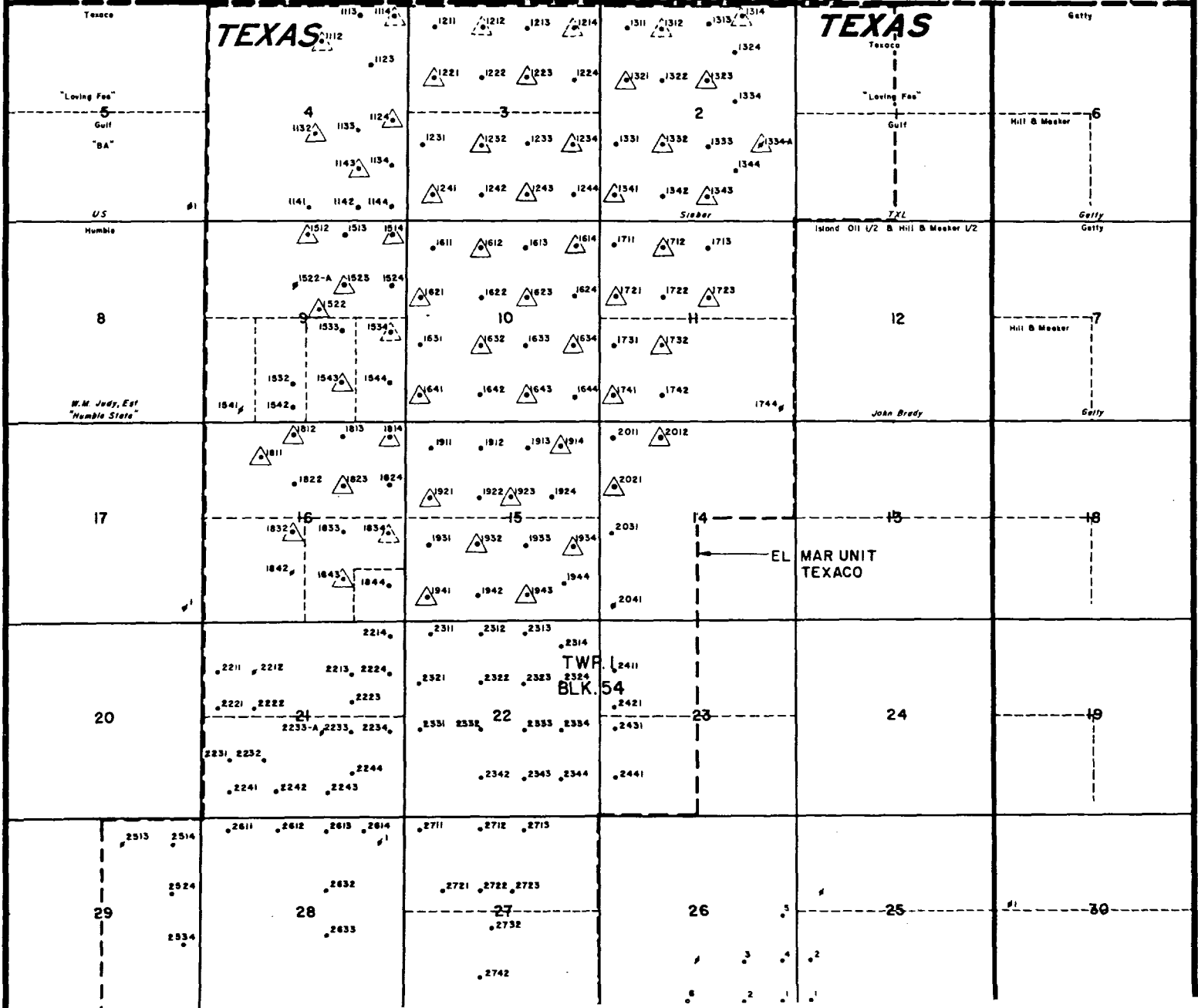
C. F. Ellis - Houston

F. O. Hull - Houston

J. W. Kellahin - Santa Fe

R 32 E

R 33 E

NEW MEXICO**TEXAS**

Mark Windaker

North El Mar Unit #62
"0"-11'-AGL

7 $\frac{5}{8}$ " CSG
@ 700'
w/3003x
(circ)

2

1. Baker AD-1 pkr
9 pts tension

@ 4561'

2. 146 Jts 2 $\frac{3}{4}$ " EUE 8rd PL - 4550'
Lbg

TOC 1100'
temp. survey

Perf 2 JS PF

4618-4640

4642-4648

4651-4654

4656-4660

PBD 4708

4 $\frac{1}{2}$ " 10.55" CSG

@ 4750 w/4003x

TD 4750'

CONTINENTAL OIL COMPANY
CALCULATION SHEET

WALLEN QNB
DATE 2-14-77
PAGE 1 of 1

TITLE North El Mar Unit #62
Injection Well

JOHN

STATE



BHC
Geoservices

FILE NO.

COMPANY Continental Oil Co

WELL D & E N. EL Mar Unit #62

FIELD EL Mar (Delaware)

COUNTY Lea STATE New Mexico

LOCATION: 330' FSL & EL

Other Services

DIFL

SEC 3L TWP 26S RGE 32E

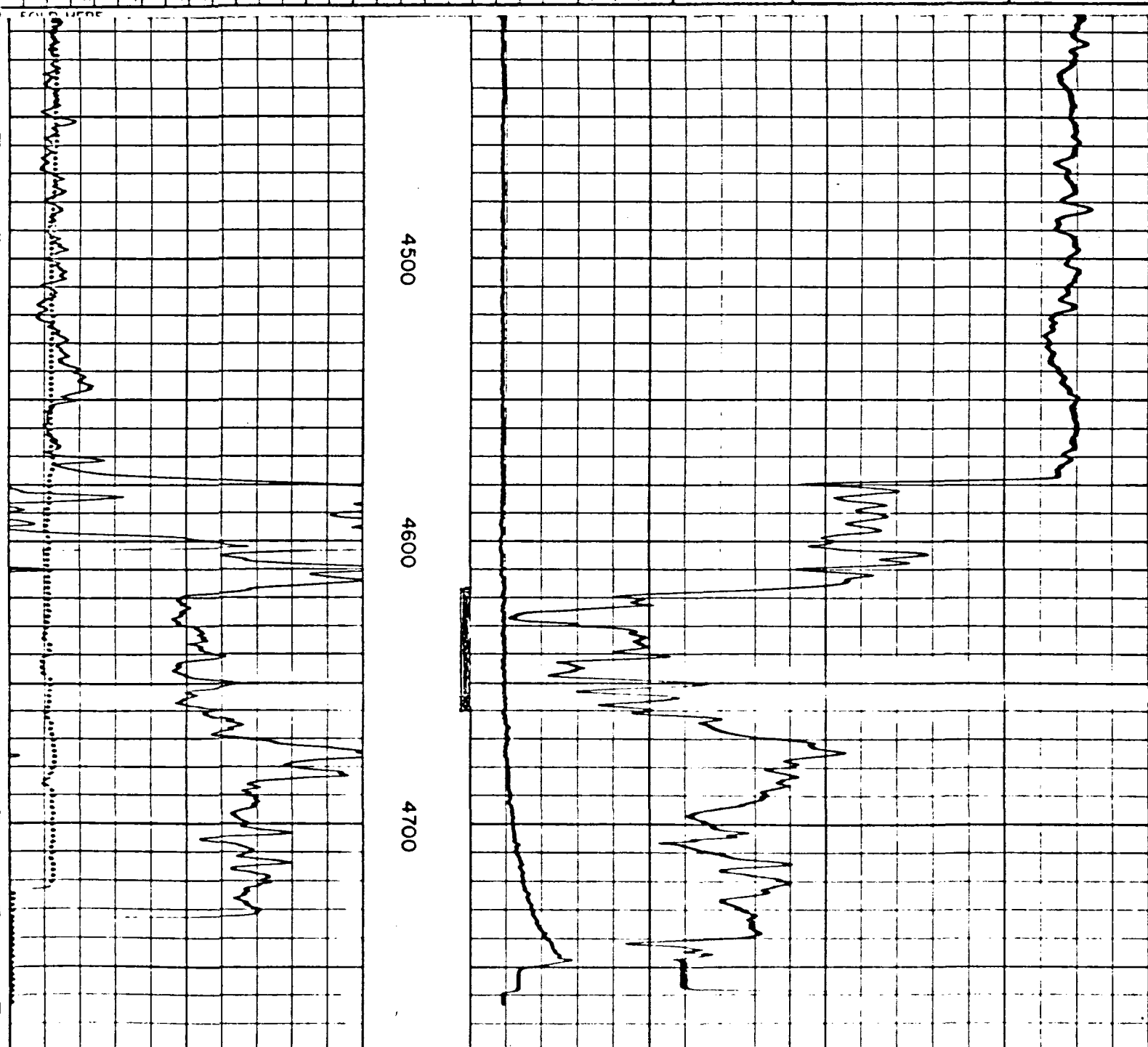
Permanent Datum GL Elev. 3090.0

Log Measured from KB 10.5 Ft. Above Permanent Datum

Elevations:
KB 3100.9
DF 3090.0
GL 3090.0

Thank
you!

Date	1/22/77		
Run No.	026		
Depth—Driller	4750		
Depth—Logger	4753		
Bottom Logged Interval	4747		
Top Logged Interval	700		
Casing—Driller	75/8 @ 700	@	@
Casing—Logger	700		
Bit Size	6 3/4		
Type Fluid in Hole	Brine Gel		
Density and Viscosity	10.3 38	@	@
pH and Fluid Loss	8.0 10 cc		cc
Source of Sample	Flowline		
Rm @ Meas. Temp.	.051 @ 62 °F	@	@
Rmt @ Meas. Temp	.049 @ 62 °F	@	@
Rmc @ Meas. Temp	— @ — °F	@	@
Source of Rmt and Rmc	—		
Rm @ BHT	.032 @ 98 °F	@	@
Time Since Circ.	12 hrs		
Max Rec Temp Deg F.	98 °F	°F	°F
Equip No and Location	6136 Hds 86		
Recorded By	MS Dwyer		
Witnessed By	John Broadus		





PETROLEUM PRODUCTS

PRODUCING DEPARTMENT
CENTRAL UNITED STATES
MIDLAND DIVISION

May 2, 1977

TEXACO INC.
P. O. BOX 3109
MIDLAND, TEXAS 79701

FLUID INJECTION APPLICATION
CONTINENTAL OIL COMPANY
NORTH EL MAR UNIT
WELL NO. 62
EL MAR (DELAWARE) FIELD
LEA COUNTY, NEW MEXICO

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

Attention: Mr. Joe Ramey
Secretary-Director

Gentlemen:

Texaco Inc. has been advised by Continental Oil Company of its application to conduct fluid injection operations in the El Mar (Delaware) Field by conversion of the North El Mar Unit Well No. 62 to water injection. We understand that injection will be through tubing from 4618' to 4660', and that the well is located 330' FS&EL of Section 36, T-26-S, R-32-E.

Texaco Inc., as the offset operator of El Mar (Delaware) Unit in Loving County, Texas, waives objection to the application.

Yours very truly,

D. T. McCreary
Division Manager

By M. A. Sirgo, Jr.
M. A. Sirgo, Jr.
Division Petroleum Engineer

PHD/lit

cc: Continental Oil Company ←
P. O. Box 460
1001 North Turner
Hobbs, NM 88240

OIL CONSERVATION COMMISSION
Hobbs DISTRICT

OIL CONSERVATION COMMISSION
BOX 2088
SANTA FE, NEW MEXICO

DATE April 29, 1977

RE: Proposed MC _____
Proposed DHC _____
Proposed NSL _____
Proposed SWD _____
Proposed WFX X _____
Proposed PMX _____

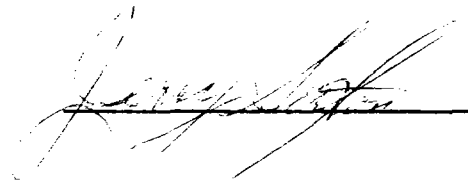
Gentlemen:

I have examined the application dated April 28, 1977
for the Continental Oil Company North El Mar Unit #62-H 36-26-32
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

O.K. -- JS

Yours very truly,

A handwritten signature in cursive script, appearing to read "James H. [unclear]", is written over a horizontal line.