HARLAN PRODUCTION COMPANY
315 SOUTH ALLEN
P. O. BOX 355
MONAHANS. TEXAS
June 18, 1965

Mr. A. L. Porter, Jr. Secretary-Director Oil Conservation Commission P. O. Box 871 Santa Fe, New Mexico

Re: Case No. 2966
Order No. R-2635
HARLAN PRODUCTION COMPANY
Waterflood Project
Eddy County, New Mexico

1 314

Dear Sir:

On January 13, 1964, the above named order authorized Harlan Production Company to institute a waterflood project in the Grayburg-Jackson Pool by injection of water into the Queen formation through the following-described wells in Township 17 South, Range 30 East, NMPM Eddy County, New Mexico:

Section 16

Etz-State Well No. 2, 1980 feet from the South line and 660 feet from the West line;

Etz-State Well No. 9, 1370 feet from the North line and 660 feet from the West line;

Etz-State Well No. 10, 1370 feet from the North line and 1980 feet from the West line.

Section 17

McIntyre "D" Well No. 7, 1980 feet from the North line and 660 feet from the East line.

Active injection was commenced into the above wells July 16, 1964. Monthly progress reports (Form C-120) covering this project are on file in the commission offices.

Under the provisions of Rule 701-E-5 "Commission Rules and Regulations", Harlan Production Company requests administrative approval to expand this project by converting Etz-State No. 2-J to injection. Substantial flood response to producing well Etz-State No. 6, Unit G, Section 16, T17S, R30E, has been reported on Form C-120. This well is a direct offset to our proposed injection well Etz-State No. 2-J, Unit J, Section 16, T17S, R30E.

HARLAN PRODUCTION COMPANY

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June 18, 1965

Mr. A. L. Porter, Jr.

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The following exhibits are attached:

- (1) Proposed plan to inject into Etz-State No. 2-J
- (2) Plat of the Queen sand area showing lease ownership, location of the proposed injection well and other injection or producers.
 - (3) Plat of the Grayburg Jackson Pool area.
- (4) Commission Form C-116 showing well test before and after stimulation.
- (5) Copy of letter submitting copy of this application to offset operator R. D. Collier.
- (6) Copy of letter submitting copy of this application to offset operator Kersey & Company.

Yours very truly

N. T. EMANUEL

Petroleum Engineer

NTE/njm w/encl

cc: w/encl State Engineer Office Capitol Building

Santa Fe, New Mexico

Jane 18, 1965

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Fr. R. G. Collier P. C. Box 647 Artesia, New Mexico

Dear Sir:

Attached for your consideration is a copy of our application to the New Mexico Oil Conservation Commission requesting approval to expand our Etx-State Queen Sand waterflood project by converting Etx-State No. 2-J to injection.

Yours very truly,

N. T. MANGEL
Petroleum Engineer

ME/nje

w/enol.

Mr. Harold Kersey Kersey & Company P. O. Box 316 Artesia, New Mexico

Dear Sir:

Attached for your consideration is a copy of our application to New Mexico Oil Conservation Commission requesting approval to expand our Etz-State Queen Send waterflood project by converting Etz-State No. 2-J to injection.

Yours very truly,

H. T. MANUEL Petroloum Engineer

NTE/n.jm

w/encl.

5 Jun 21

PROPOSED WATER INJECTION WELL

Etz-State No. 2-J NW, SE, Sec. 17, T-17-S, R-30-E

Original Producing Well Drilled by Etz Oil Company 6/11/41

Calculated sement top bekind

6 5/8" at 1270'

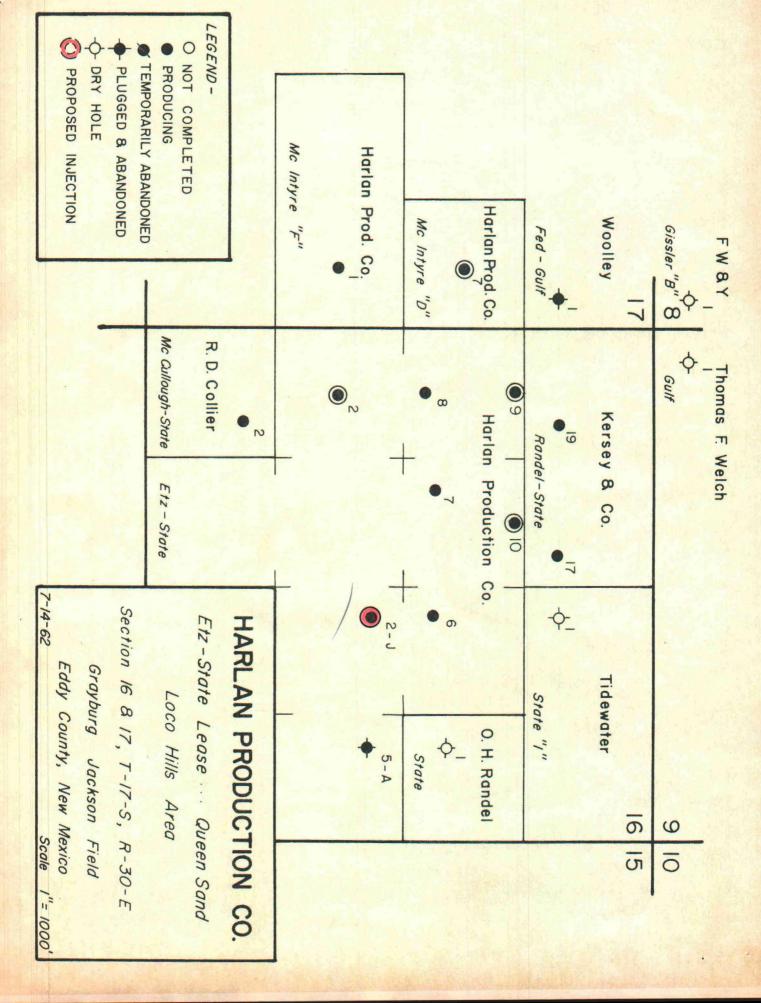
2 3/8" OD EUE &R tubing with Baker tension type packer set at 1840'

6 5/8" - 20# Oil string casing set at 1870' with 50 sacks

Top Pay 2077/

Shot with 30 qts
from 2064' to 2084'

Bottom Pay and Total Depth 2090



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Revised 1-1-65

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NEW MEXICO OIL CONSERVATION COMMISSION GAS-OIL RATIO TESTS

C-116 Revised 1-1-65

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