

GRARIDGE CORPORATION

IBEX BUILDING

POST OFFICE BOX 752

BRECKENRIDGE, TEXAS

07-112

July 10, 1962

WFX-112

Dr. W. W. Jones

Oil Conservation Commission
State of New Mexico
State Capitol Building
Santa Fe, New Mexico

Re: Application for Administrative
Approval to convert One Well to
Water Injection Well in Artesia
Flood No. 3, Eddy County, New
Mexico

Gentlemen:

In accordance with Commission Order No. R-966-E, Graridge Corporation respectively requests administrative approval to convert the following well to a water injection well.

| <u>LEASE</u> | <u>WELL NO.</u> | <u>LOCATION</u> |
|--------------------|-----------------|--------------------------------|
| Resler Yates State | 332 | Unit J, Section 29, T18S, R28E |

The following data pertinent to the proposed expansion are given:

(1) The proposed injection well is directly offset by a producing well which has shown response to the waterflood project. See attached Form C-116 and Exhibit No. 1.

(2) Exhibit No. 1 indicates all offset operators and injection wells in Artesia Flood No. 3. A copy of this application and a waiver form is being sent to Mr. John Kelley and to Kersey and Company as they are the offset operators to the proposed expansion. These waivers will be forwarded to you as soon as they are received.

(3) Exhibit No. 2 indicates present injection well data. It is evident that some of the injection wells are not as receptive to water injection as others, thus, it is desirable to place wells on injection as early as responses warrant in order to maintain a flood balance.

(4) Exhibit No. 3 gives performance curves for the overall water-

Oil Conservation Commission
July 10, 1962
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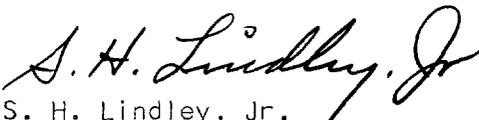
Resler Yates Well No. 332 was completed in the following manner:

7" surface casing is set at 513' and cemented with 150 sacks. The hole was drilled to a total depth of 2025'. 4½" casing is set at 2012' and cemented with 125 sacks. The 4½" casing will be perforated opposite the First Grayburg formation. Before placing the well on injection, 2-3/8" cement lined tubing will be run with a tension type packer set at a depth well below the cement outside the 4½" casing. Water will be injected down the tubing through casing perforations into the First Grayburg formation.

Any consideration by the Commission in expediting this matter will be greatly appreciated.

Yours very truly,

GRARIDGE CORPORATION


S. H. Lindley, Jr.
Engineer

SHL:vw
Attachments (4)

cc: Oil Conservation Commission
P. O. Drawer DD
Artesia, New Mexico

Mr. Frank Lohy

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

NEW MEXICO OIL CONSERVATION COMMISSION

10 AM 07
GAS-OIL RATIO REPORT

OPERATOR..... Graridge Corporation..... POOL..... Artesia
 ADDRESS..... Box 752, Breckenridge, Texas..... MONTH OF..... July....., 19..... 62
 SCHEDULED TEST..... COMPLETION TEST..... SPECIAL TEST..... X..... (Check One)
 (See Instructions on Reverse Side)

| Lease | Well No. | Date of Test | Producing Method | Choke Size | Test Hours | Daily Allowable Bbls. | Production During Test | | | GOR Cu. Ft. Per Bbl. |
|-----------------------------------|----------|--------------|------------------|------------|------------|-----------------------|------------------------|-----------|---------|----------------------|
| | | | | | | | Water Bbls. | Oil Bbls. | Gas MCF | |
| <u>BEFORE WATERFLOOD RESPONSE</u> | | | | | | | | | | |
| Resler Yates State | 58 | 7/24/60 | Pump | -- | 24 | 15 | 0 | 10 | TSTM | TSTM |
| <u>AFTER WATERFLOOD RESPONSE</u> | | | | | | | | | | |
| Resler Yates State | 58 | 6/25/62 | Pump | -- | 24 | 50 | 13 | 33 | TSTM | TSTM |

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60 degrees F. Specific gravity base will be 0.60.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission. In accordance with Rule 301 and Appropriate Pool Rules.

(I certify that the information given is true and complete to the best of my knowledge.)

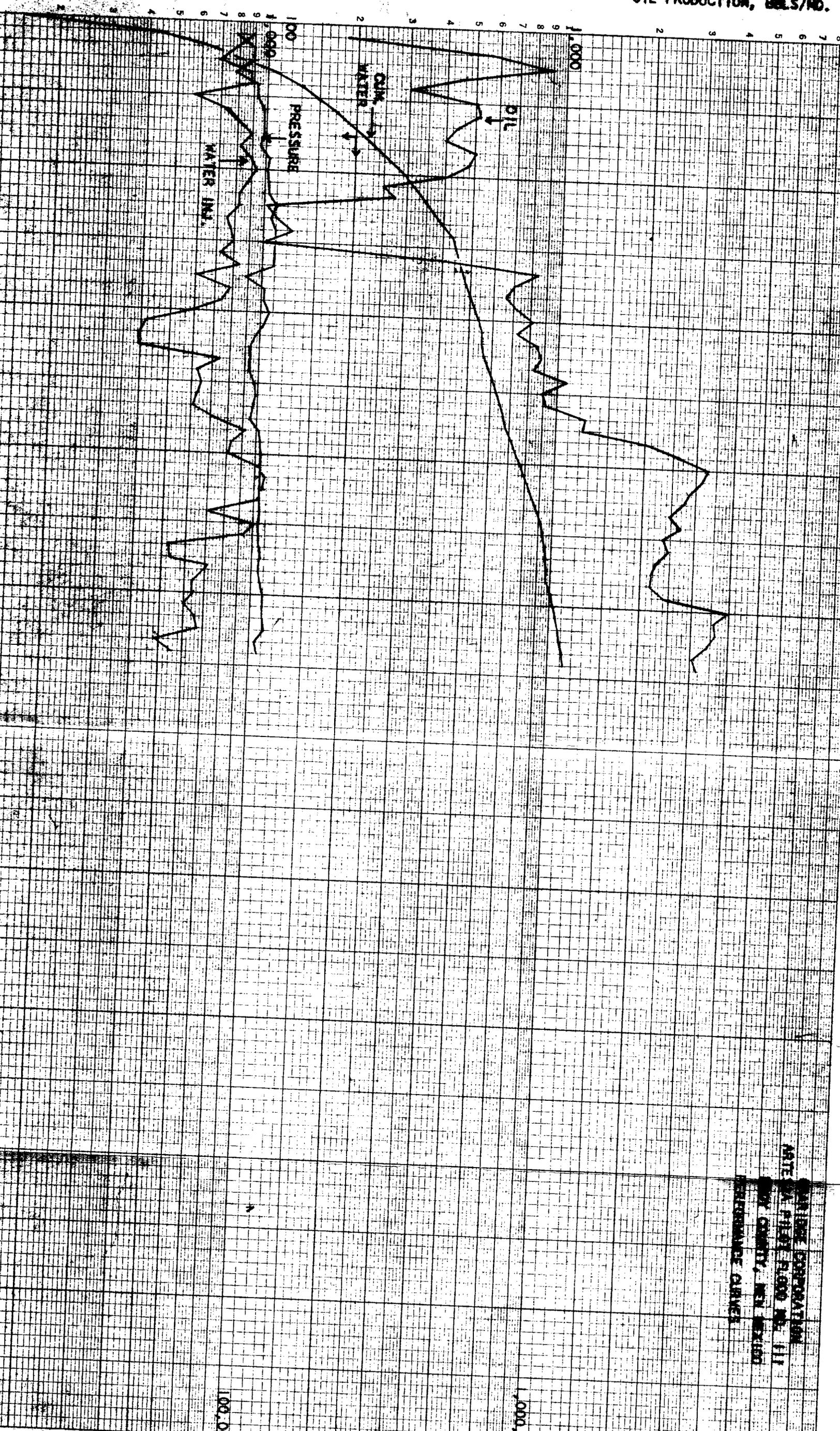
Date..... July 10, 1962.....

GRARIDGE CORPORATION
 Company
 By..... *S. H. Lindley, Jr.*.....
 S. H. Lindley, Jr.
 Engineer
 Title

WATER INJECTION, BBL/DAY

INJECTION PRESSURE, PSIG.

OIL PRODUCTION, BBL/MO.



AMERICAN CORPORATION
WATER FLOOD NO. 111
NEW ORLEANS, NEW JERSEY
PERFORMING CURVE

CUMULATIVE WATER INJECTED, BBL.

GRARIDGE CORPORATION

IBEX BUILDING POST OFFICE BOX 752
BRECKENRIDGE, TEXAS

July 10, 1962

| | | | |
|---------------------------|--------------|----------|--------------|
| Date Received JUL 18 1962 | | | |
| ROUTE TO | | ROUTE TO | |
| | DATE CHECKED | | DATE CHECKED |
| LC | | RLE | |
| OHR | | CRA | |
| TAF | | JLMc | |
| FFD | | BGE | |
| WFB | | JAW | |
| BGH | 7/18 | JWC | |
| CWS | | | |
| Mail To: | | FILE: | |
| Graham | | | |

Kersey and Company
Booker Building
Artesia, New Mexico

Gentlemen:

It is the desire of Graridge Corporation to expand the water injection program in the Artesia No. 3 Flood in Eddy County, New Mexico. The expansion is to include the following well:

| | | |
|--------------------|-----------------|--------------------------------|
| <u>LEASE</u> | <u>WELL NO.</u> | <u>LOCATION</u> |
| Resler Yates State | 332 | Unit J, Section 29, T18S, R28E |

A fifteen day waiting period is set up by the Commission unless waivers are obtained from all offset operators.

In order to expedite matters, please sign and return one copy of this letter to this office if you have no objection to the proposed expansion.

Yours very truly,

GRARIDGE CORPORATION

B. G. Harrison
B. G. Harrison
Manager of Secondary Recovery

BGH:vw

SIGNED BY *Harold Kersey*

FOR *Kersey & Co.*



STATE OF NEW MEXICO

STATE ENGINEER OFFICE

SANTA FE

S. E. REYNOLDS
STATE ENGINEER

July 20, 1962

ADDRESS CORRESPONDENCE TO:
STATE CAPITOL
SANTA FE, N. M.

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

Dear Mr. Porter:

Reference is made to the application of the Graridge Corporation dated July 10, 1962; which seeks administrative approval to convert one well, Resler Yates State, Well No. 332, Unit J, Section 29, Township 18 South, Range 28 East, Eddy County, New Mexico, to water injection well.

In view of the statement that injection will be through 2 3/8" cement lined tubing with a tension type packer, set at a depth well below the cement outside the 4 1/2" casing, with injection down the tubing, it appears that there will be no threat of contamination to the fresh waters which may exist in the area. Therefore, this office offers no objection to the granting of this application.

Very truly yours,

S. E. Reynolds
State Engineer

By:

Frank E. Irby

Frank E. Irby
Chief
Water Rights Division

ma
cc-Graridge Corp.
F. H. Hennighausen