GRARIDGE CORPORATION IBEX BUILDING POST OFFICE BOX 752 BRECKENRIDGE, TEXAS July 10, 1962 WFX - 1/2

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, Granidge Corporation respectively requests administrative approval to convert the following well to a water injection well.

LEASE WELL NO. LOCATION

Resler Yates State 332 Unit J, Section 29, T18S, R28E

The following data pertinent to the proposed expansion are given:

- (!) 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. I 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 Page 2

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'. $4\frac{1}{2}$ " casing is set at 2012' and cemented with 125 sacks. The $4\frac{1}{2}$ " 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 $4\frac{1}{2}$ " 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 Erank Irhy

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

NEW MEXICO OIL CONSERVATION COMMISSION

11 AM 6 07 GAS-OIL RATIO REPORT

		(Sec	Instruction	s on Reverse Side))		
SCHEDULED TH	EST	COMPLETIC	ON TEST		SPECIAL TEST	·X	(Check One)
ADDRESS	Box 752,	Breckenridge,	Texas	MONTH OF	July		, 19
OPERATOR	Graridge	Corporation		POOL	Artesia		

		Well Date of Producing Choke Test Daily		Daily	Produ	GOR					
Lease		Producing Choke Method Size	Hours	Allowable Bbls.	Water Bbls.	Oil Bbls.	Gas MCF	Cu. Ft. Per Bbl.			
BE	FORE WATERFL	.00D R	ESPONSI								
Resler	Yates State	58	7/24/60) Pump		24	15	0	10	TSTM	TSTM
<u>A</u> F	FTER WATERFLO	OD RE	SPONSE								
≀es∣er	Yates State	58	6/25/62	2 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
		By S. H. Lindley, Jr., Engineer
		Title

GRARIDGE CORPORATION

MONTHLY WATER FLOOD REPORT

Page II

Injection Well Data

ri O ieci :	Artesia Flood		Month:	Мау	1962
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The state of the s	Total Water Input		Injection			
_ease & Well No.	Month	Avg./Day	Pressure	Cumulative Input		
Resler Yates State 4	5,127	165	1010	329,887		
5	1,203	57*	1085	206,549		
6	1,612	62**	1095	166,640		
7	2,905	94	1080	192,058		
34	1.543	50	1090	77,466		
341	2,750	89	1090	71,687		
349	1,290	42	1095	82,683		
LOOD TOTAL	16,430	559	1079(avg)	1,126,970		
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^{*} Based on 21 Days - Well No. 5 was shut in on May 29

^{**} Based on 26 Days

WATER INJECTION, BOLS/DAY INJECTION PRESSURE, PSIG. OIL PRODUCTION, BELS/NO.

GRARIDGE CORPORATION Date Received JUL 18

IBEX BUILDING POST OFFICE BOX 752

BRECKENRIDGE, TEXAS

July 10, 1962

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

LEASE	WELL NO.	LOCATION
Resler Yates State	332	Unit J. Section 29. T18S. R28

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

Manager of Secondary Recovery

BGH: vw

SIGNED BY	Harres Ke	deen
FOR K	ersey & G.	



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

Frank E. Irby

 ${\tt Chief}$

Water Rights Division

ma
cc-Graridge Corp.
F. H. Hennighausen