



MAIL OFFICE QCC

1960 AUG 22 11 53

# CITIES SERVICE OIL COMPANY

BOX 97

HOBBS, NEW MEXICO

August 22, 1960

*50*  
*Tract 13 Well 7, SE SE Section 33, T-13S, R-31E.*

Oil Conservation Commission  
State of New Mexico  
P. O. Box 871  
Santa Fe, New Mexico

Attention: Mr. A. L. Porter, Jr.

Gentlemen:

Cities Service Oil Company, operator of the Drickey Queen Sand Unit, Caprock Queen Pool, Chaves County, New Mexico, requests administrative approval as provided in Rule 701 for the conversion of the following well to water injection:  
"Tract 13 Well 7, SE SE Section 33, T-13S, R-31E."

The above proposed water injection well directly offsets the John H. Trigg, Federal Trigg 8-4, NE NE Section 4, T-14S, R-31E which has experienced response from water injection. Production has increased on this well from 12 barrels of oil per day, August 1959, to a current rate of 20 barrels of oil per day.

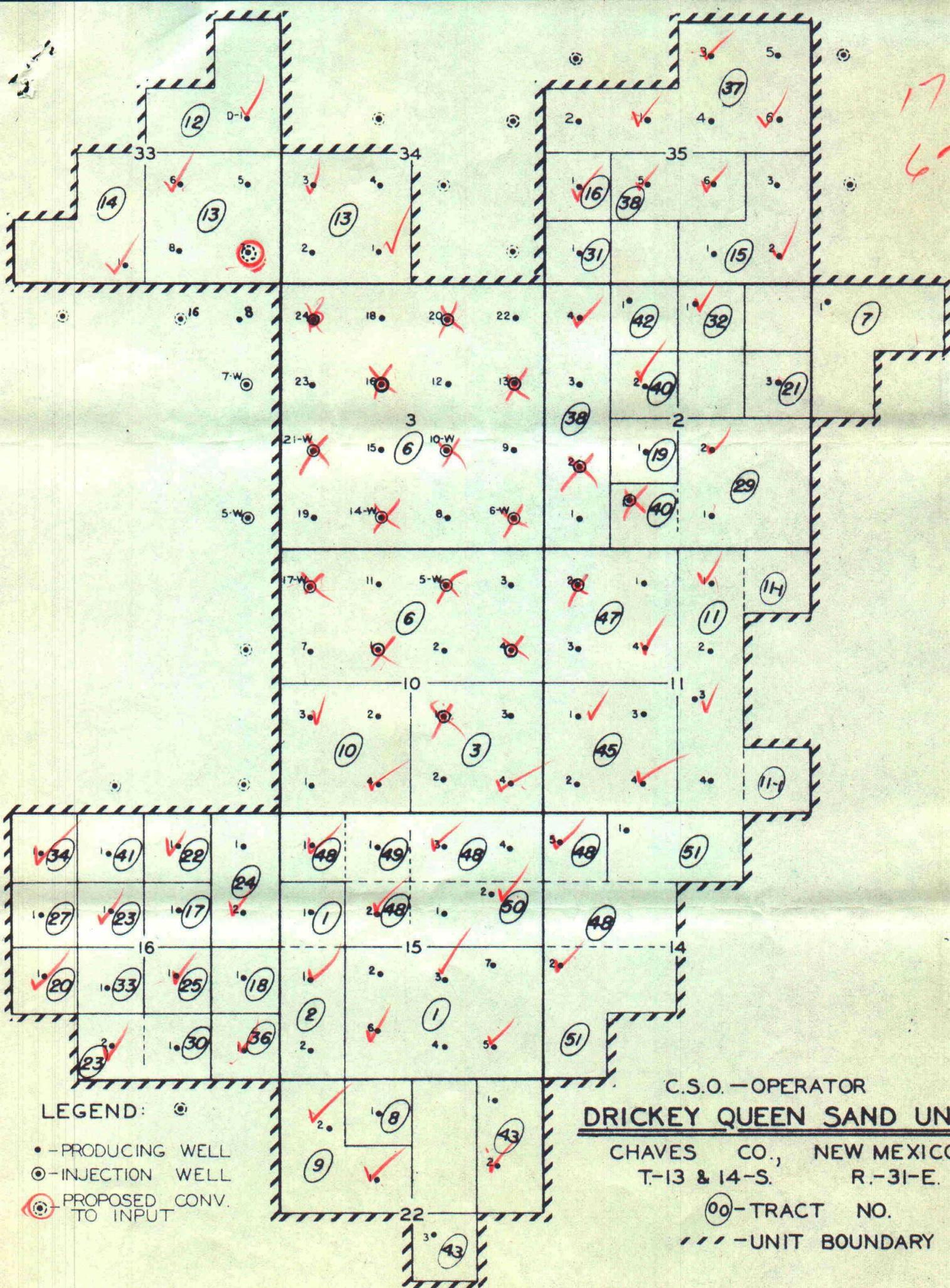
The proposed injection well will balance a five-spot injection pattern and thus protect correlative rights by preventing migration of oil across lease lines. The injection well will be equipped with plastic coated tubing and a packer.

A line agreement has been entered with John H. Trigg, offset operator, to convert certain producing wells to injection wells along a common line between the Drickey Queen Sand Unit and property operated by Mr. Trigg. This agreement was presented as Exhibit No. 3 in New Mexico Oil Conservation Commission Case No. 1744.

Copies of this application have been sent to each offset operator and to the State Engineer.

Very truly yours,

E. F. Motter  
Assistant Division Engineer



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NEW MEXICO OIL CONSERVATION COMMISSION

**ILLEGIBLE**

MAIN OFFICE OCC  
**GAS-OIL RATIO REPORT**  
 1960 AUG 21 AM 5:38

OPERATOR **JOHN N. TRIGG COMPANY** POOL **CAPROCK QUEEN**  
 ADDRESS **P.O. BOX 106, PALMARE, NEW MEXICO** MONTH OF **AUGUST** 19 **60**  
 SCHEDULED TEST..... COMPLETION TEST..... SPECIAL TEST **XXXXXX** (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	
Federal Trigg	8	8-59	Pump	None	24	0	12			
Federal Trigg	13	8-59	Pump	None	24	0	8			
Federal Trigg	15	8-59	Pump	None	24	0	20			
<b>Before water stimulation</b>										
Federal Trigg	8	8-5-60	Pump	None	24	0	20			
Federal Trigg	13	8-2-60	Pump	None	24	0	42			
Federal Trigg	15	8-2-60	Pump	None	24	0	53			
<b>After water stimulation</b>										

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 **August 13, 1960**

**JOHN N. TRIGG COMPANY**

Company

By.....

**Prod. Supt.**

Title



MAIN OFFICE COO

1960 SEP 0 11 07 33 STATE OF NEW MEXICO

STATE ENGINEER OFFICE  
SANTA FE

S. E. REYNOLDS  
STATE ENGINEER

September 7, 1960

ADDRESS CORRESPONDENCE TO:  
P. O. BOX 1079  
SANTA FE, N. M.

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

Dear Mr. Porter:

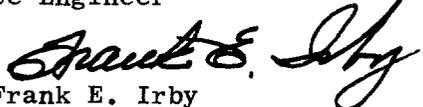
Reference is made to the application of Cities Service Oil Company dated August 22, 1960 which seeks administrative approval for the conversion of the following well to water injection:

Tract 13, Well 7, SE $\frac{1}{4}$ SE $\frac{1}{4}$  of Section 33, Township 13 South, Range 31 East.

Cities Service Oil Company has furnished this office with information concerning the construction of this well and I have reached the conclusion that the injection of water in the manner set forth in their plan will not constitute a threat to the fresh waters which may exist in the area. Therefore, this office offers no objection to the granting of the application.

Yours truly,

S. E. Reynolds  
State Engineer

By:   
Frank E. Irby  
Chief  
Water Rights Division

FEI/ma  
cc-F. H. Hennighausen  
Cities Service Oil Co.