



## CITIES SERVICE OIL COMPANY

BOX 97

HOBBS, NEW MEXICO

March 10, 1960

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

Attn: 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 6 Well No. 24, NW NW, Section 3, T-14-S,  
R-31-E

The above proposed water injection well is directly offset by a producing well which has experienced response from the pilot project. Forms C-116 are enclosed showing production tests at the start of waterflooding and most recent tests.

The proposed injection well is located on a pattern previously established in the Caprock Queen Pool, results of which have indicated a thorough and efficient sweep of oil by the injected water. The injection well will be equipped with plastic coated tubing and a packer to prevent possible contamination of fresh water in the event a casing leak occurs.

A line agreement has been entered with John H. Trigg, offset operator, to convert certain producing wells to injection wells, along the common line between the Drickey Queen Sand Unit and properties 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

EFM/gk  
Encls.

cc: State Engineer  
P. O. Box 1069  
Santa Fe, N. M.  
Attn: Frank Porter

John H. Trigg  
P. O. Box 5629  
Roswell, N. M.

Oil Conservation Commission  
P. O. Box 2045  
Hobbs, N. M.

NEW MEXICO OIL CONSERVATION COMMISSION

GAS-OIL RATIO REPORT

OPERATOR Cities Service Oil Company POOL Caprock Queen  
ADDRESS Box 97, Hobbs, New Mexico MONTH OF March, 19 60  
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	
Drickey Queen Sand Unit Tract 6	23	8-26 1958	P	Open	24	22	0	21	26	1238
	24	8-27 1958	P	Open	24	18	0	18	20	1111
	23	3-5 1960	P	Open	24	33	0	39		
	24	3-5 1960	P	Open	24	15	0	6		

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.

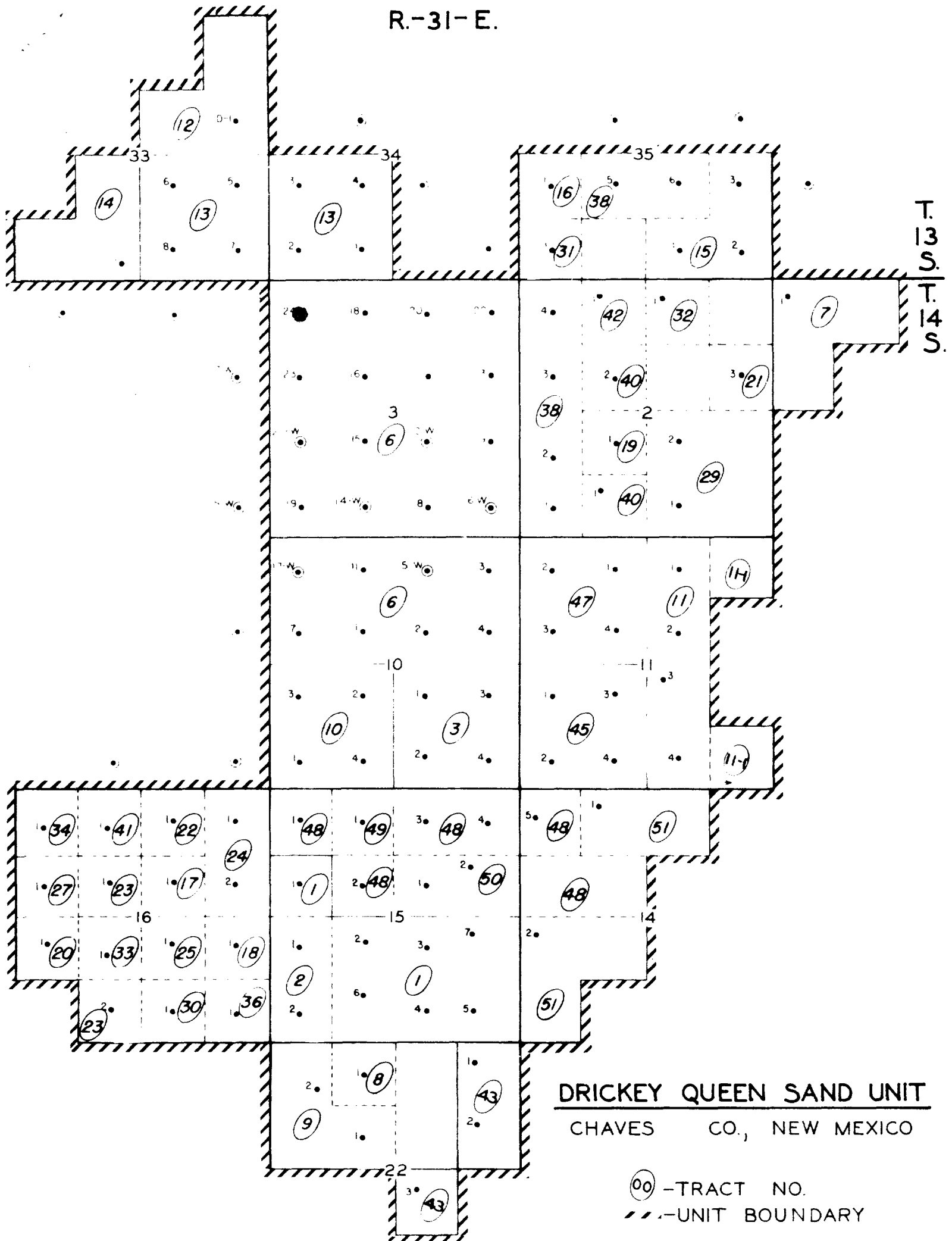
Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission. In accordance with Rule 301 and Appropriate Pool Rules.

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

Date 3-10-60

CITIES SERVICE OIL COMPANY  
By E. J. Maltby  
Asst. Dir. Engr  
Title

R.-31-E.





STATE OF NEW MEXICO

STATE ENGINEER OFFICE

SANTA FE

S. E. REYNOLDS  
STATE ENGINEER

March 24, 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 March 10, 1960 requesting administrative approval for the conversion of the following well to water injection well: Tract 6, Well No. 24, NW NW, Section 3, Township 14 South, Range 31 East.

After studying the application and the attachments, I have reached the conclusion that the conversion of this well and the injection of water, as proposed in the application, will not constitute a threat of contamination to the underground waters which may exist in the area. Therefore, this office offers no objection to the granting of this application.

Yours truly,

S. E. Reynolds  
State Engineer

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

By:   
Frank E. Irby  
Chief  
Water Rights Division