



MAIN OFFICE OCC

# CITIES SERVICE PETROLEUM COMPANY

D. D. Bodie  
Division Superintendent

BOX 97, 500 BROADMOOR BLDG.  
HOBBS, NEW MEXICO

April 5, 1962

WFX-103

Due date Apr 24

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

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

Gentlemen:

Cities Service Petroleum 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 injection:

Tract 45 Well No. 4 SE SW Section 11, T-14S, R-31E.


This well is offset by a producing well which has experienced response from the waterflood. Form C-116 is included showing tests before and after stimulation.

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 cement lined tubing and a packer to prevent possible contamination of fresh water zones in the event of a casing leak (see attached schematic diagram).

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

Very truly yours,

CITIES SERVICE PETROLEUM COMPANY

  
E. F. Motter  
Asst. Division Engineer

EFM/sjb

Attachment

Copies to:

State Engineer  
Atten: Mr. Frank Irby  
P. O. Box 1069  
Santa Fe, New Mexico

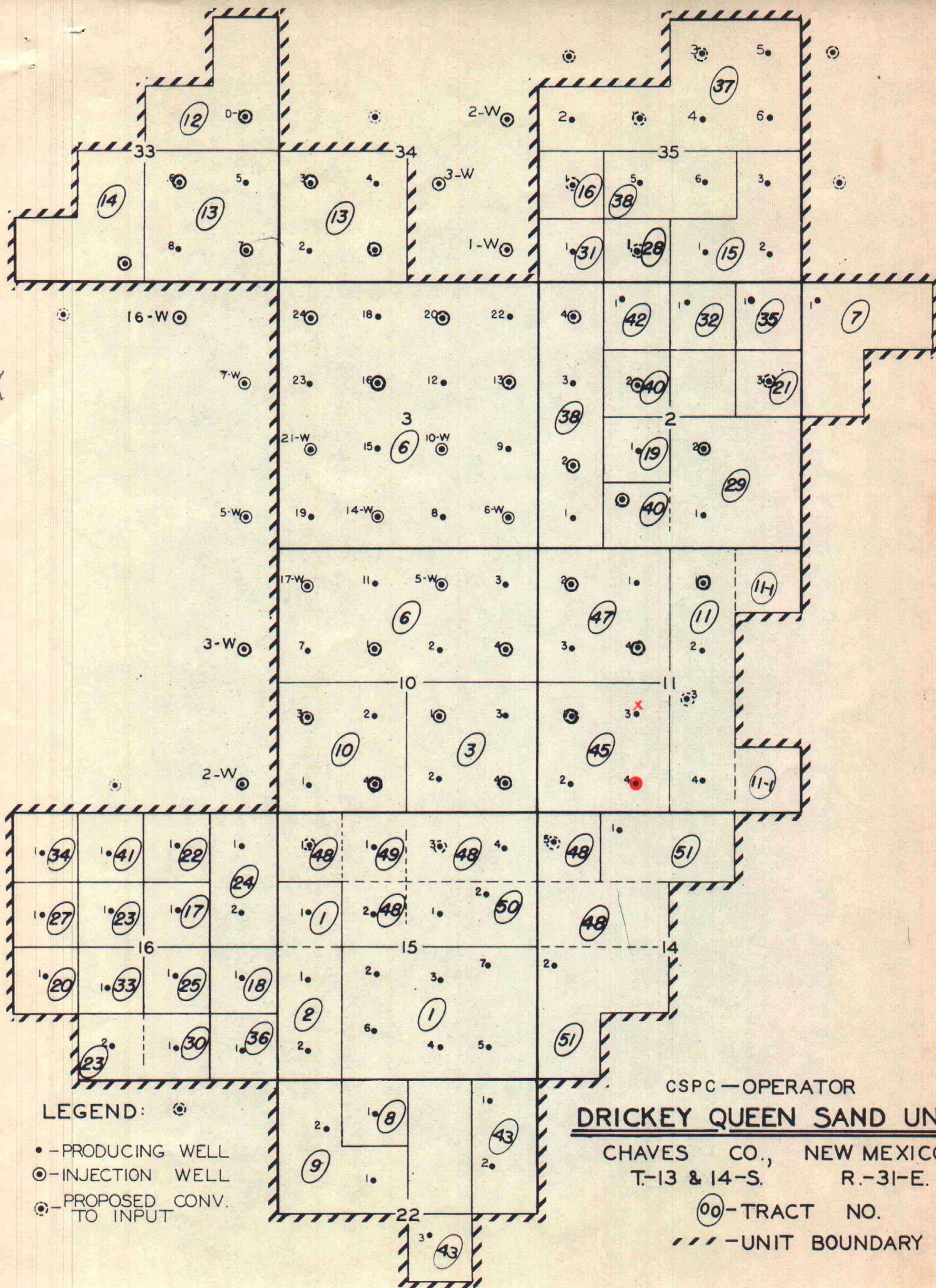
Oil Conservation Commission  
P. O. Box 2045  
Hobbs, New Mexico

John H. Trigg  
P. O. Box 5629  
Roswell, New Mexico

Great Western Drilling Company  
P. O. Box 1659  
Midland, Texas

Whaley Company, Inc.  
1301-4 Continental Life Bldg.  
Fort Worth 2, Texas







1962 APR 10 10 16 AM

STATE OF NEW MEXICO

STATE ENGINEER OFFICE

SANTA FE

S. E. REYNOLDS  
STATE ENGINEER

April 9, 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 Cities Service Petroleum Company dated April 5, 1962, which seeks administrative approval for the conversation of the following well to water injection:

Tract 45 Well No. 4 SE $\frac{1}{4}$ SW $\frac{1}{4}$  Sec. 11, Twp. 14 S., Rge. 31 E.

In view of the statement contained in the application "The injection well will be equipped with cement lined tubing and a packer to prevent possible contamination of fresh water zones in the event of a casing leak" this office offers no objection to the granting of the application.

Yours truly,

S. E. Reynolds  
State Engineer

By: *Frank E. Irby*  
Frank E. Irby  
Chief  
Water Rights Division

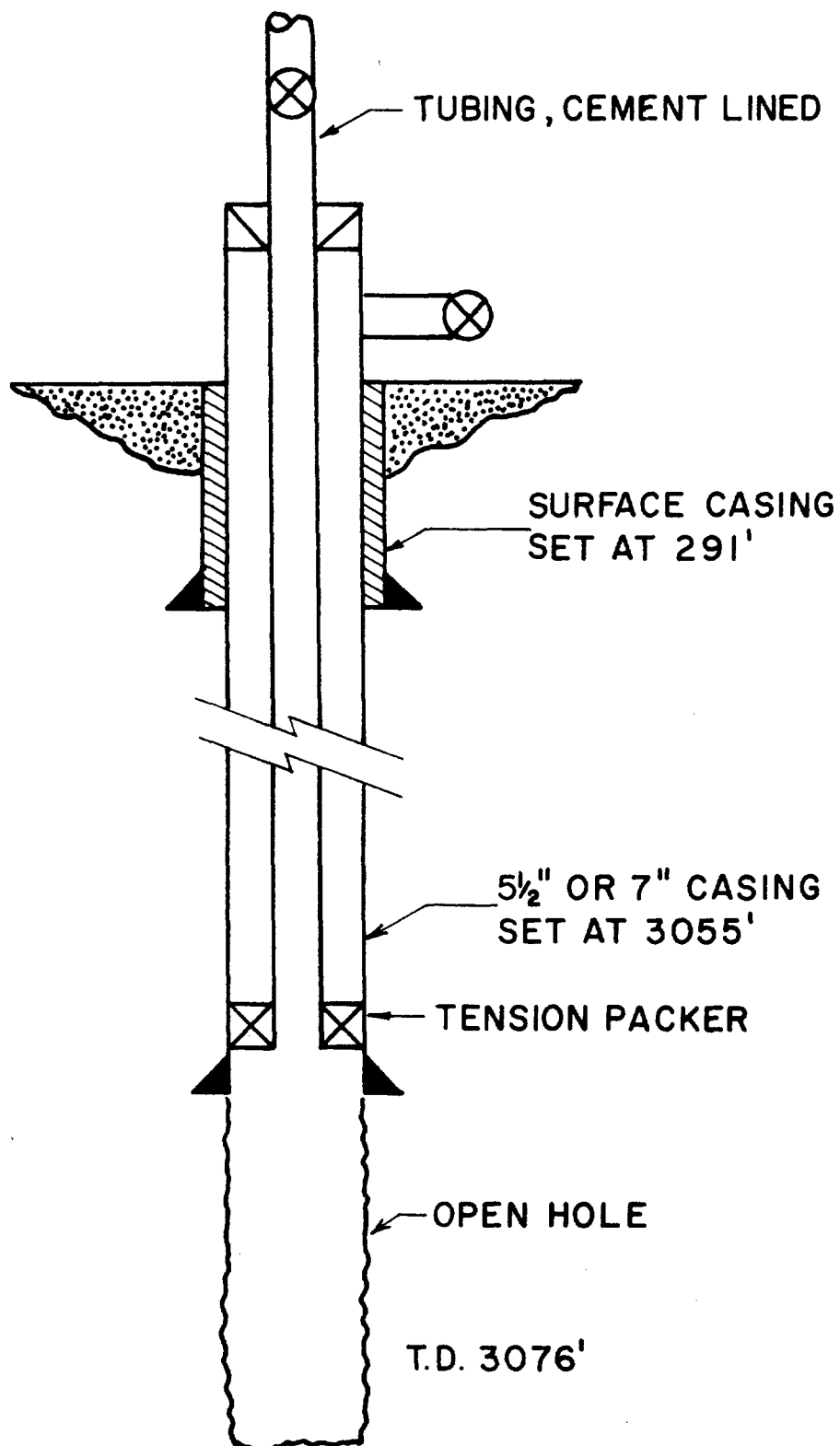
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cc-Cities Service Petroleum Co.

F. H. Hennighausen



# CITIES SERVICE PETROLEUM COMPANY



WATER INJECTION WELL SCHEMATIC

DRICKEY QUEEN SAND UNIT

## NEW MEXICO OIL CONSERVATION COMMISSION

## GAS-OIL RATIO REPORT

OPERATOR Cities Service Petroleum Company POOL Caprock Queen  
ADDRESS Box 97 - Hobbs, New Mexico MONTH OF -, 19 -  
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	
Tract 45	3	8-17-61	P	Open	24	4	0	3	1	333
Tract 45	3	1-31-62	P	Open	24	65	0	65	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 April 5, 1962

Cities Service Petroleum Company  
By L. D. Lindsey  
Production Engineer  
Title