

# CITIES SERVICE PETROLEUM COMPANY



FORMERLY NAMED

## CITIES SERVICE OIL COMPANY

BOX 97

HOBBS, NEW MEXICO

June 21, 1961

*WFX - \$16 85  
Marketing Period  
New State July 10*

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 wells to water injection:

Tract 40, well #2, SE NW Section 2, T-14S, R-31E  
Tract 29, well #2, NW SE Section 2, T-14S, R-31E  
Tract 21, well #3, SE NE Section 2, T-14S, R-31E

Tract 40 well #2 and Tract 29 well #2 are directly offset by a producing well (Tract 19 well #1) which has experienced response from the waterflood area. Forms C-116 are enclosed showing tests at the start of waterflooding and recent tests. Tract 21 well #3 is directly offset by the Whaley Company, Incorporated New Mexico State #2 SW NE Section 2, T-14S, R-31E which has indicated a response to water injection by the larger amounts of fluid being produced as shown by the attached C-115 forms.

The proposed injection wells are 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 wells will be equipped with plastic coated tubing and a packer to prevent possible contamination of fresh water in the event of a casing leak (see attached schematic diagram).

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HOBBS, NEW MEXICO

Oil Conservation Commission

Page 2

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

Very truly yours,

E. F. Motter  
Asst. Division Engineer

EFM/sjb

Encls.

cc: State Engineer  
Box 1069  
Santa Fe, New Mexico  
Attn: Frank Irby

John H. Trigg  
Box 5629  
Roswell, New Mexico

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

Great Western Drilling Co.  
Box 1659  
Midland, Texas

Oil Conservation Commission  
Box 2045  
Hobbs, New Mexico

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 **XX** (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	
Before Stimulation Tract 19	1	10-14-60	P	-	24	23	0	17	-	TSTM
After Stimulation Tract 19	1	5-24-61	P	-	24	200	88	102	-	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 June 20, 1961

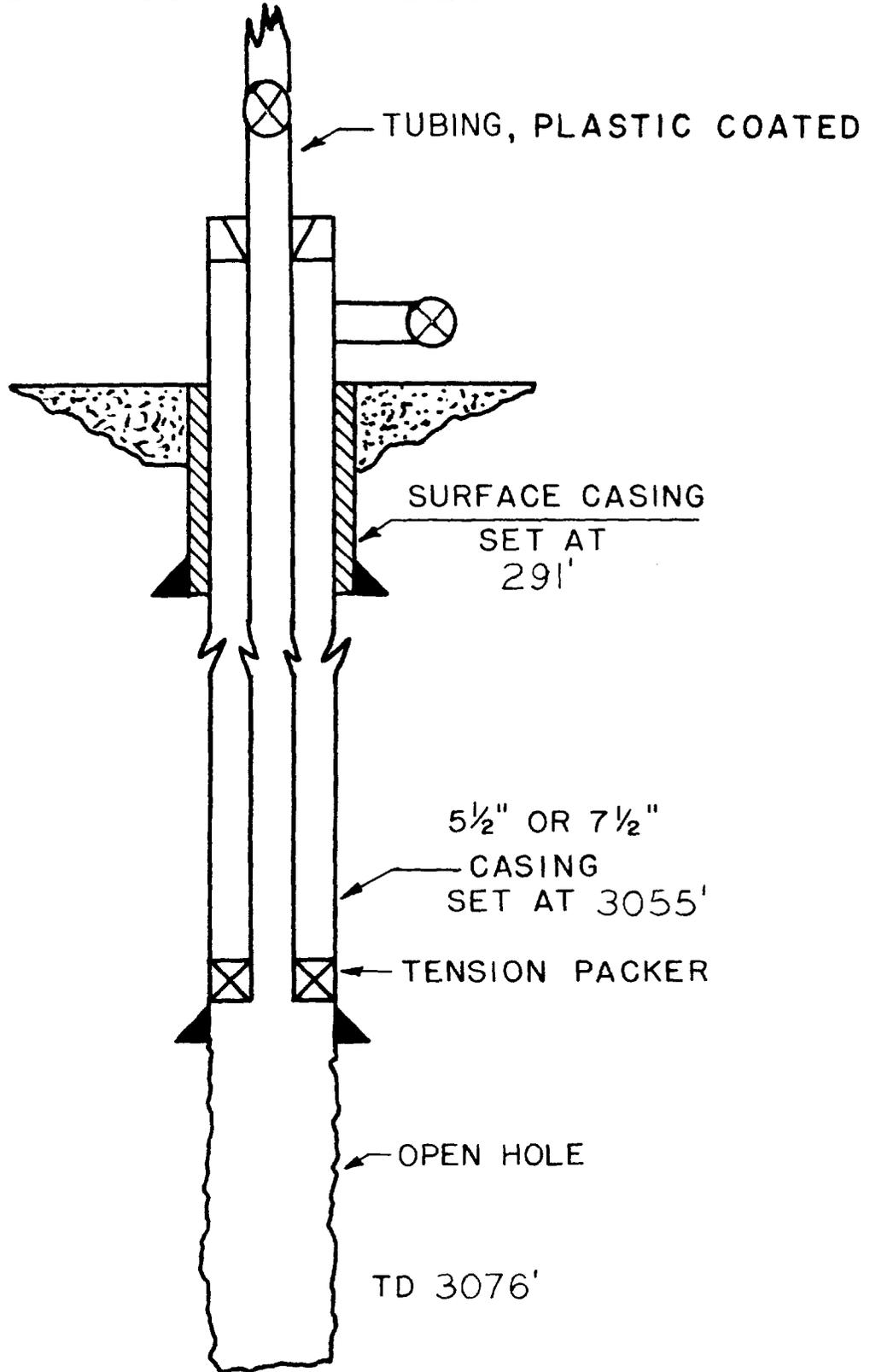
Cities Service Petroleum Company

By W. L. Spanney  
Company

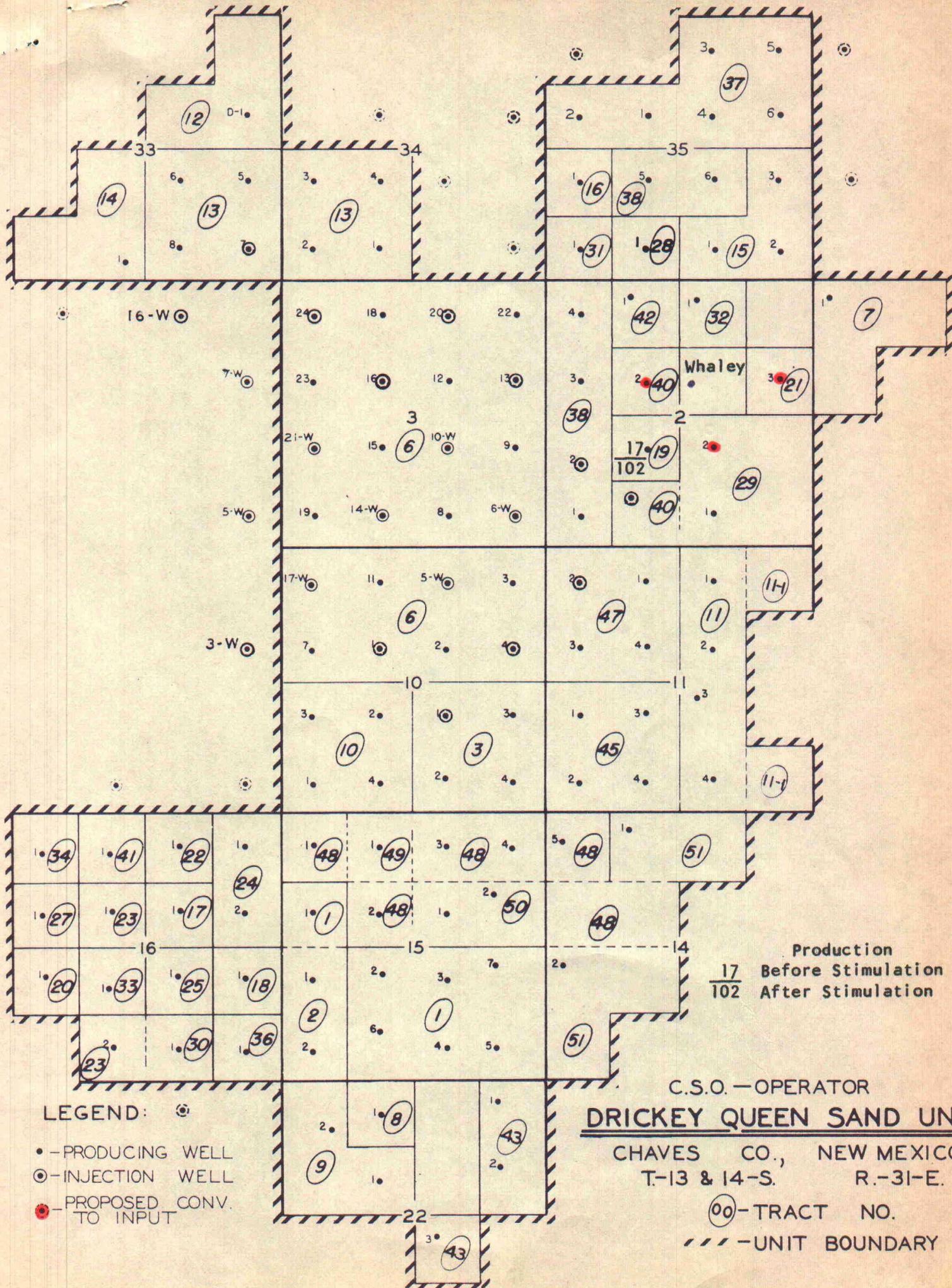
Production Engineer

Title

CITIES SERVICE PETROLEUM COMPANY



WATER INPUT WELL SCHEMATIC  
DRICKEY QUEEN SAND UNIT



Production  
 Before Stimulation 17  
 After Stimulation 102

LEGEND:

- - PRODUCING WELL
- ⊙ - INJECTION WELL
- - PROPOSED CONV. TO INPUT

C.S.O. - OPERATOR  
**DRICKEY QUEEN SAND UNIT**

CHAVES CO., NEW MEXICO  
 T-13 & 14-S. R.-31-E.

⊙ - TRACT NO.  
 --- UNIT BOUNDARY



STATE OF NEW MEXICO  
STATE ENGINEER OFFICE  
SANTA FE

S. E. REYNOLDS  
STATE ENGINEER

June 23, 1961

*Rec'd July 10*

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 June 21, 1961 which seeks administrative approval for the conversion of the following wells to water injection:

Tract 40, well #2, SE $\frac{1}{4}$ NW $\frac{1}{4}$  Section 2, T-14S, R-31E  
Tract 29, well #2, NW $\frac{1}{4}$ SE $\frac{1}{4}$  Section 2, T-14S, R-31E  
Tract 21, well #3, SE $\frac{1}{4}$ NE $\frac{1}{4}$  Section 2, T-14S, R-31E

After studying the application and the attachments, I have reached the conclusion that the conversion of these wells and the injection of water, as proposed in the application, will not constitute a 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.

Yours truly,

S. E. Reynolds  
State Engineer

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

ma

cc-Cities Service Petroleum Co., Hobbs, N.M.  
Oil Conservation Commission, Hobbs, N.M.  
F. H. Hennighausen, Roswell, N.M.

## CLASS OF SERVICE

This is a fast message unless its deferred character is indicated by the proper symbol.

# WESTERN UNION

## TELEGRAM

W. P. MARSHALL, PRESIDENT

## SYMBOLS

DL=Day Letter

NL=Night Letter

LT=International Letter Telegram

1220  
R-4-60

The filing time shown in the date line on domestic telegrams is LOCAL TIME at point of origin. Time of receipt is LOCAL TIME at point of destination

LA089 DA216

1961 JUN 26 AM 11 37

D FWA357 LONG PD=FORT WORTH TEX 26 1156 A CST=

OIL CONSERVATION COMMISSION=

STATE OF NEW MEXICO SANTA FE NMEX=

ATTENTION: MR A L PORTER JR

REFERENCE MADE CITIES SERVICE OIL COMPANY LETTER TO YOU DATED JUNE 21, 1961, REQUESTING APPROVAL AS PROVIDED IN RULE NO. 701 FOR CONVERSION OF WELLS IN TRACTS 21, 29 AND 40, DRICKEY QUEEN SAND UNIT, CHAVES COUNTY, NEW MEXICO, TO WATER INJECTION WELLS ACCOUNT CLAIMED INCREASE IN FLUID IN WHALEY COMPANY, INC. NO. 2 STATE LOCATED IN SW 1/4 NE 1/4 SECTION 2, T. 14 S., R. 31 E., CHAVES COUNTY, NEW MEXICO. (STOP) THERE HAS BEEN NO NET INCREASE IN FLUID PRODUCED IN OUR WELL. WE PUT IN 25 BARRELS OF WATER IN MAY AND 125 BARRELS OF WATER IN JUNE IN WELL NO. 2 IN EFFORT TO DISSOLVE SALT IN CASING AND TUBING AND THIS ADDITION OF WATER IN OUR OPINION ACCOUNTS FOR ALL INCREASE IN FLUID. WE ARE FILING AMENDED C-115 REPORTS FOR APRIL AND MAY ON THIS LEASE. URGE NO ACTION BE TAKEN CITIES SERVICE OIL COMPANY REQUEST OF JUNE 21 UNTIL OUR AMENDED REPORTS RECEIVED. THESE HAS CERTAINLY BEEN NO INCREASE IN NET FLUID IN OUR WELL NO. 2 TO DATE=

WHALEY CO INC BY WILLIAM D MORRIS PRESIDENT==