

CITIES SERVICE PETROLEUM COMPANY



FORMERLY NAMED

MAIN OFFICE OCC

1962 MAR 7

CITIES SERVICE OIL COMPANY

BOX 97

HOBBS, NEW MEXICO

March 6, 1962

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 injection:

Tract 11 Well No. 3, NW SE Section 11, T-14S, R-31E.
Tract 28 Well No. 1, SE SW Section 35, T-13S, R-31E.
Tract 48 Well No. 1, NW NW Section 15, T-14S, R-31E.
Tract 48 Well No. 3, NW NE Section 15, T-14S, R-31E.
Tract 48 Well No. 5 NW NW Section 14, T-14S, R-31E.

All wells are offset by producing wells which have experienced response from the waterflood. Forms C-116 are included showing tests before and after stimulation.

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

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

CC:
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

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 (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 3	2	10-28-61	P	Open	24	4	1	10	TSTM	TSTM
Tract 3	4	11-28-61	P	Open	24	19	0	9	9	1000
Tract 10	1	10-31-61	P	Open	24	5	0	5	6	1200
Tract 31	1	1-3-62	P	Open	24	30	0	11	18	1636
Tract 45	3	8-17-61	P	Open	24	4	0	3	1	333

Test before Stimulation

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 March 1, 1962

Cities Service Petroleum Company
 Company
 By E. D. Finney
 Production Engineer
 Title

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 3	2	2-21-62	P	Open	24	4	0	40	TSTM	TSTM
Tract 3	4	3-8-61	P	Open	24	-	0	19	11	579
Tract 10	1	2-13-62	P	Open	24	5	0	39	20	513
Tract 31	1	1-24-62	P	Open	24	50	0	44	21	480
Tract 45	3	1-31-62	P	Open	24	65	0	65	TSTM	TSTM

Test After Stimulation

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.

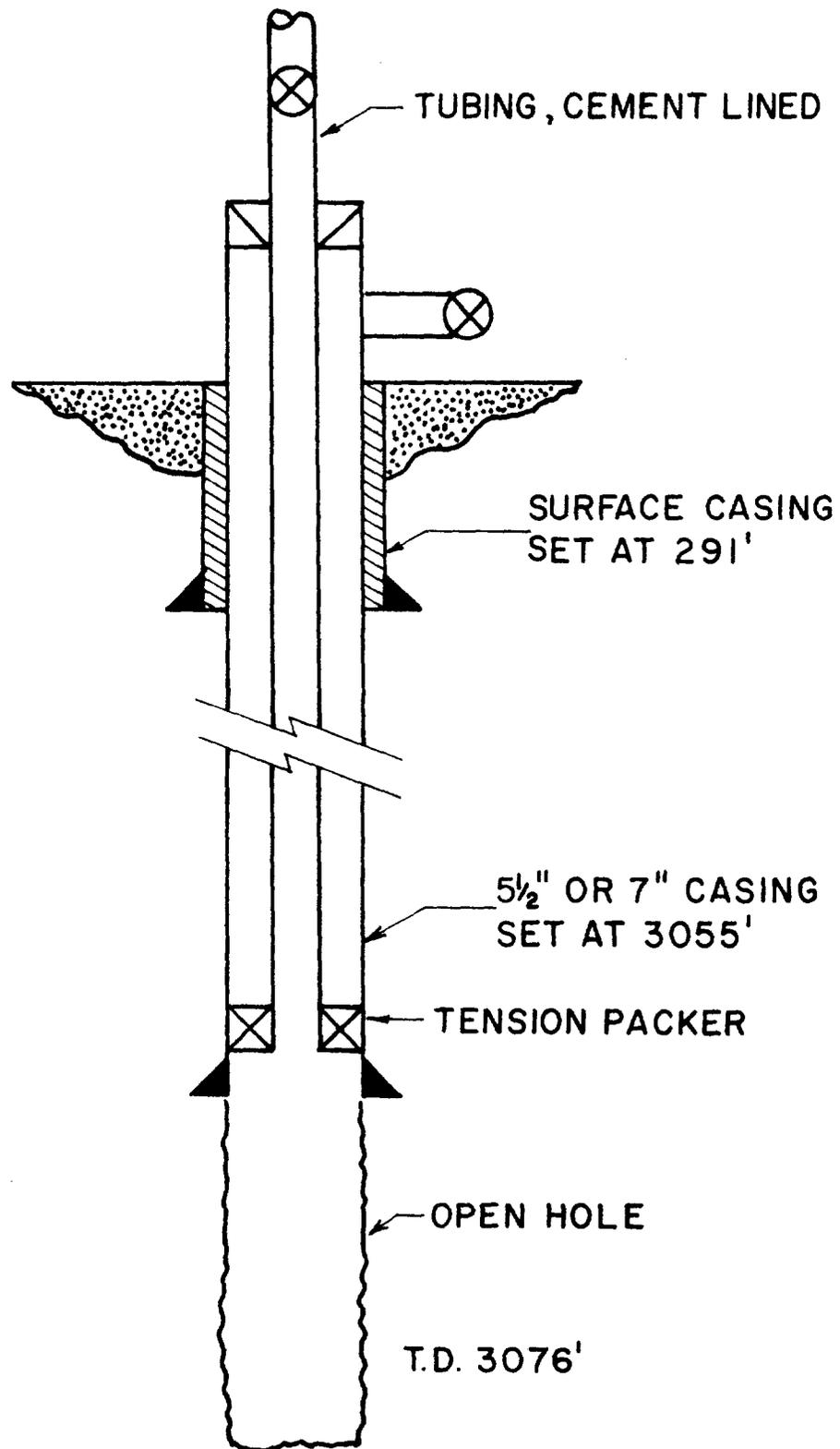
Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission. In accordance with Rule 301 and Appropriate Pool Rules.

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

Date March 1, 1962

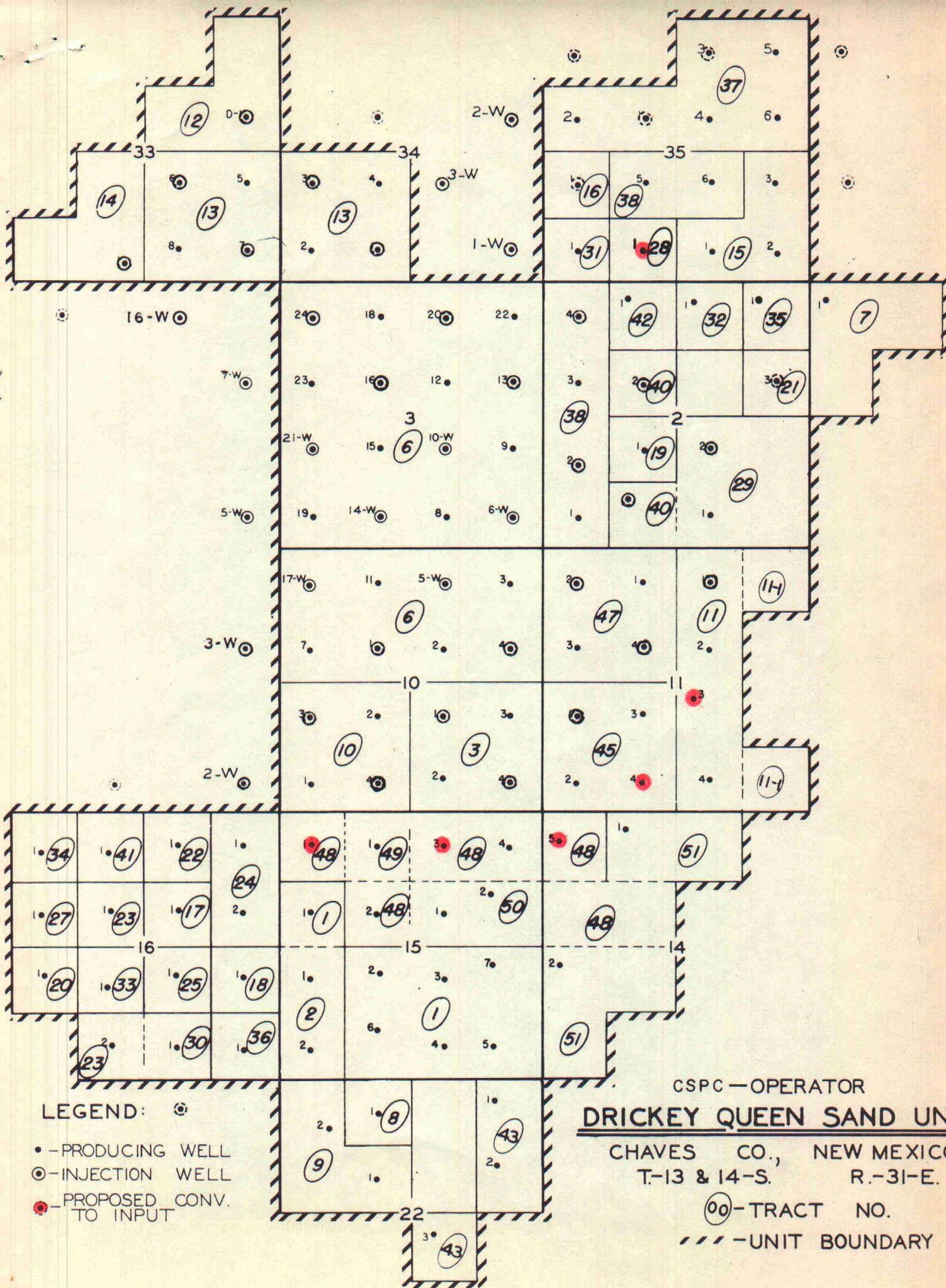
Cities Service Petroleum Company
 By E. D. Luning
 Production Engineer
 Title

CITIES SERVICE PETROLEUM COMPANY



WATER INJECTION WELL SCHEMATIC

DRICKEY QUEEN SAND UNIT



LEGEND: 
 • - PRODUCING WELL
 ⊙ - INJECTION WELL
 ● - PROPOSED CONV. TO INPUT

CSPC - OPERATOR
DRICKEY QUEEN SAND UNIT
 CHAVES CO., NEW MEXICO
 T-13 & 14-S. R.-31-E.
 ○ - TRACT NO.
 --- UNIT BOUNDARY



1962 MAR 31 AM STATE OF NEW MEXICO

STATE ENGINEER OFFICE

SANTA FE

S. E. REYNOLDS
STATE ENGINEER

March 8, 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 March 6, 1962, which seeks administrative approval for the conversion of the following wells to water injection:

Tract 11 Well No. 3, NW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 11, Township 14 South, Range 31 East
Tract 28 Well No. 1, SE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 35, Township 13 South, Range 31 East
Tract 48 Well No. 1, NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 15, Township 14 South, Range 31 East
Tract 48 Well No. 3, NW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 15, Township 14 South, Range 31 East
Tract 48 Well No. 5, NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 14, Township 14 South, Range 31 East

In view of the statement contained in the application "The injection wells 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

ma
cc-Cities Service Petroleum Co.
F. H. Hennighausen

RYDER SCOTT COMPANY
PETROLEUM ENGINEERS

MIDLAND, TEXAS

March 12, 1962

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

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

Gentlemen:

We hereby advise that we approve of Cities Service Petroleum Company's request for administrative approval to convert the following wells to water injection service as provided in Rule 701:

Tract 11 Well No. 13
Tract 28 Well No. 1
Tract 48 Well No. 1
Tract 48 Well No. 3
Tract 48 Well No. 5

Yours very truly,

RYDER SCOTT COMPANY
PETROLEUM ENGINEERS



William E. Fickert
Agent for Whaley Company, Inc.

WEF:ll

cc: Mr. W. D. Morris
Mr. E. F. Motter
Ryder Scott Company
Wichita Falls, Texas