



MAIN OFFICE CCC

1963 JAN 25 PM 1 **CITIES SERVICE OIL COMPANY**

BOX 97

HOBBS, NEW MEXICO

January 24, 1963

W-128

D. 2. 1

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

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

Re: (None)

Cities Service Oil Company, operator of the Dickey Queen Sand
Field, 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 15 Well No. 2, Unit P, Section 35, T-13S, R-31E ✓
Tract 22 Well No. 1, Unit B, Section 16, T-14S, R-31E ✓
Tract 24 Well No. 2, Unit H, Section 16, T-14S, R-31E ✓
Tract 38A Well No. 6, Unit J, Section 35, T-13S, R-31E ✓
Tract 48 Well No. 2, Unit F, Section 15, T-14S, R-31E ✓
Tract 50 Well No. 2, Unit H, Section 15, T-14S, R-31E ✓

These 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 water injected
into the formation. The injection wells will be equipped with cement
plug and a packer to prevent possible contamination of the
aquifer. In the event of a casing leak, see attached Form C-116
(enc. 2).

Oil Conservation Commission

San Antonio

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

Very truly yours,

CITIES SERVICE OIL COMPANY



E. F. Motter
Asst. Division Engineer

SFW/sjb

Attachment

CC:
State Engineer
Attn: 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

1963 JAN 23 PM 1 30

OPERATOR Cities Service Oil Company POOL Caprock Queen
ADDRESS Box 97, Hobbs, New Mexico MONTH OF Oct., Nov., Dec., 1962
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 15	2	12-19	P	-	24	0	2	TSTM		
Tract 22	1	11-13	P	-	24	4	13	TSTM		
Tract 24	1	12-29	P	-	24	4	9	TSTM		
Tract 24	2	12-30	P	-	24	2	6	TSTM		
Tract 38-A	5	12-5	P	-	24	16	57	TSTM		
Tract 38-A	6	11-17	P	-	24	0	3	TSTM		
Tract 48	2	11-14	P	-	24	3	6	TSTM		
Tract 48	4	10-22	P	-	24	3	18	TSTM		
Tract 49	1	12-24	P	-	24	36	132	TSTM		
Tract 50	2	11-29	P	-	24	2	5	TSTM		

Tests After Stimulation by Waterflood

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 January 23, 1963

CITIES SERVICE OIL COMPANY
Company

By

District Engineer
Title

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 Aug., Sept., Oct., Nov., 1962
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 15	2	11-20	P	-	24		0	1	TSTM	
Tract 22	1	9-20	P	-	24		5	6	TSTM	
Tract 24	1	8-27	P	-	24		2	4	TSTM	
Tract 24	2	8-28	P	-	24		1	3	TSTM	
Tract 38-A	5	10-28	P	-	24		0	2	TSTM	
Tract 38-A	6	9-29	P	-	24		0	1	TSTM	
Tract 48	2	10-24	P	-	24		2	4	TSTM	
Tract 48	4	8-21	P	-	24		1	5	TSTM	
Tract 49	1	11-26	P	-	24		19	47	TSTM	
Tract 50	2	9-25	P	-	24		1	3	TSTM	
Tests Before Stimulation by Waterflood										

Tests Before Stimulation by Waterflood

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 January 23, 1963

CITIES SERVICE OIL COMPANY
Company

By.....

District Engineer
Title

NEW MEXICO OIL CONSERVATION COMMISSION

GAS-OIL RATIO REPORT

OPERATOR Great Western Drilling Company POOL Caprock Queen
ADDRESS Box 1659, Midland, Texas MONTH OF October & November, 1962
SCHEDULED TEST..... COMPLETION TEST..... SPECIAL TEST A..... (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	
Rock Queen Unit Tract 13	36-13	11-5	P		24	4	0	8	TSTM	
	36-1	10-10	P		24	2	.8	3.2	TSTM	
Tests before stimulation by water flood.										

No well will be assigned an allowable greater than the amount of oil produced on the official test.

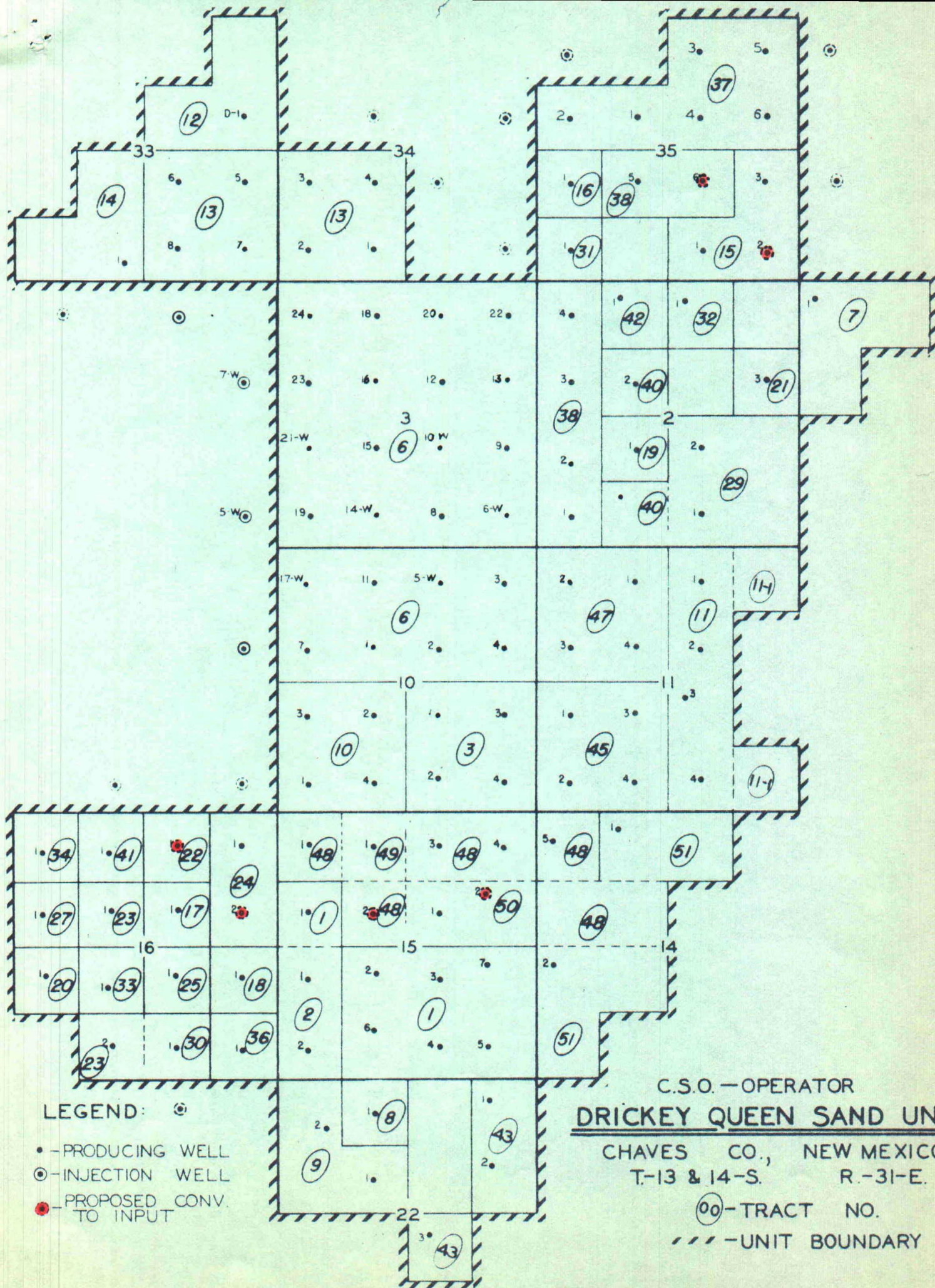
During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized 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 December 10, 1962 Great Western Drilling Company
Company
By E. H. Crews E. H. Crews
Administrative Coordinator
Title



MAIN OFFICE OCC



1963 JAN 30 AM STATE OF NEW MEXICO

STATE ENGINEER OFFICE

SANTA FE

S. E. REYNOLDS
STATE ENGINEER

January 28, 1963

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 Oil Company which seeks administrative approval for conversion of the following wells to injection wells in the Drickey Queen Sand Unit, Caprock Queen Pool:

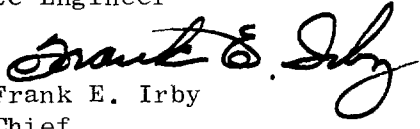
Tract 15 Well No. 2, Unit P, Section 35, T-13S, R-31E.
Tract 22 Well No. 1, Unit B, Section 16, T-14S, R-31E.
Tract 24 Well No. 2, Unit H, Section 16, T-14S, R-31E.
Tract 38A Well No. 6, Unit J, Section 35, T-13S, R-31E.
Tract 48 Well No. 2, Unit F, Section 15, T-14S, R-31E.
Tract 50 Well No. 2, Unit H, Section 15, T-14S, R-31E.

Mr. Motter states "The injection wells will be equipped with cement lined tubing and 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 this application provided the above plans are followed and further provided that the packer be set well below the top of the cement outside the production string.

Very truly yours,

S. E. Reynolds
State Engineer

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

By: 
Frank E. Irby
Chief
Water Rights Division