



January 25, 1963

R. C. TUCKER, PRES.

PHONE MU 2-5241
ADDRESS REPLY TO:
BOX 1659
MIDLAND, TEXAS

Oil Conservation Commission
Box 871
Santa Fe, New Mexico

Re: Application for Administrative
Approval for Conversion of 3 Unit
Wells to Water Injection Wells,
Rock Queen Unit

Gentlemen:

As provided in Order No. R-1541, Great Western Drilling Company as operator of the Rock Queen Unit, request administrative approval for conversion of the following Unit wells to water injection wells:

<u>Unit Well No.</u>	<u>Location</u>
30-8	SE/4 of NE/4 of Sec. 30, T-13-S, R-32-E
30-10	NW/4 of SE/4 of Sec. 30, T-13-S, R-32-E
30-14	SE/4 of SW/4 of Sec. 30, T-13-S, R-32-E

Well 30-7, an offset to wells 30-8 and 30-10, has received response to water injection. A test January 22, 1963 measured 14 barrels of oil, no water while the average for this well in December was 9 barrels per day.

Well 30-11, an offset to wells 30-10 and 30-14, has also received response to water injection. As of January 22, 1963 a test measured 12 barrels of oil, no water and late in December tests on this well were 7 barrels per day.

We respectfully submit that the ultimate recoverable oil from the Rock Queen Unit will be decreased and that waste will occur due to an unbalanced condition in the pattern flooding system if the Unit wells 30-8, 30-10 and 30-14 are not converted to injection at this time.



Attached to this application are: The C-116 of Great Western Drilling Companys wells 30-7 and 30-11, before and after stimulation; a plat of the area showing all producing, water injection and proposed water injection wells; and offset operators.

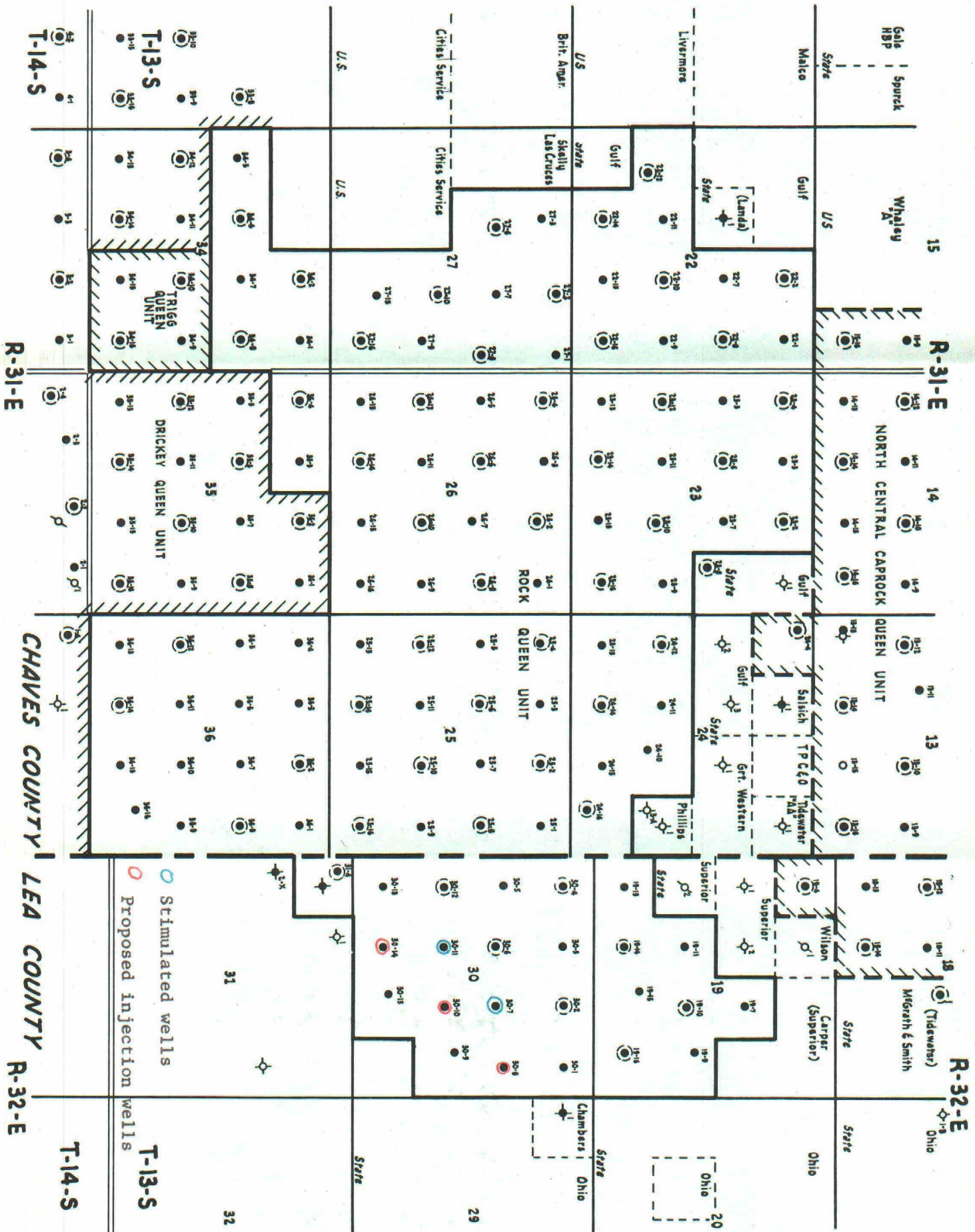
Waivers from offset operators are being requested at this time, to expedite this program.

Yours very truly,

GREAT WESTERN DRILLING COMPANY

By *G. H. Crews*
G. H. Crews

OHC/b1
Attachments



NEW MEXICO OIL CONSERVATION COMMISSION

GAS-OIL RATIO REPORT

OPERATOR Great Western Drilling Company POOL Caprock Queen
ADDRESS P.O. Box 1659, Midland, Texas MONTH OF December, 19 62
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	
Rock Queen Unit										
Tract 31	30-7	12-21	P		24	11	0	9	TSTM	
Tract 18	30-11	12-28	P		24	7	0	7	TSTM	
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 25, 1963

Great Western Drilling Company
Company

By O. H. Crews O. H. Crews

Administrative Coordinator
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.....January....., 19 63
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	
Rock Queen Unit Tract 31	30-7	1-22	P		24	11	0	14	TSTM	
Tract 18	30-11	1-22	P		24	7	0	12	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 25, 1963.....

Great Western Drilling Company
Company

By.....*O. H. Crews*.....O. H. Crews.....

Administrative Coordinator
Title

MAIN OFFICE OCC

1963 FEB 1 PM 1:31



January 31, 1963

R. C. TUCKER. PRES.

PHONE MU 2-5241
ADDRESS REPLY TO:
BOX 1659
MIDLAND, TEXAS

New Mexico Oil Conservation Commission
Box 871
Santa Fe, New Mexico

Attn: Mr. J. E. Kapteina

Gentlemen:

Please find all enclosed waivers required for the
administrative expansion of the Rock Queen Unit as requested
(January 25, 1963).

Yours very truly,

GREAT WESTERN DRILLING COMPANY

By *Officer*

OHC/b1



1963 FEB 1 PM 1:31



January 25, 1963

R. C. TUCKER, PRES.

PHONE MU 2-5241
ADDRESS REPLY TO:
BOX 1659
MIDLAND, TEXAS

Cities Service Oil Company
Box 97
Hobbs, New Mexico

Attn: Mr. George Geyer

Gentlemen:

We have requested expansion of the Rock Queen Unit through administrative approval as set forth in Commission Order No. R-1541. A copy of our letter requesting this expansion is enclosed.

If you have no objection to the application, please signify by signing and returning one copy of this letter to this office.

Yours very truly,

GREAT WESTERN DRILLING COMPANY

By [Signature]

OHC/bl

We have no objection to the expansion of the Rock Queen Unit operations by reason of the conversion of the following wells to water injection wells:

<u>Unit Well No.</u>	<u>Location</u>
30-8	SE/4 of NE/4 of Sec. 30, T-13-S, R-32-E
30-10	NW/4 of SE/4 of Sec. 30, T-13-S, R-32-E
30-14	SE/4 of SW/4 of Sec. 30, T-13-S, R-32-E

as requested in your application of January 25, 1963.

Cities Service Oil Company

By [Signature]

Date 1/28/63



GREAT WESTERN DRILLING CO.
MIDLAND, TEXAS

MAIN OFFICE OCC

1963 FEB 1 PM 1:31

January 25, 1963

Mr. John Trigg
Box 5629
Roswell, New Mexico

Gentlemen:

We have requested expansion of the Rock Queen Unit through administrative approval as set forth in Commission Order No. R-1541. A copy of our letter requesting this expansion is enclosed.

If you have no objection to the application, please signify by signing and returning one copy of this letter to this office.

Yours very truly,

GREAT WESTERN DRILLING COMPANY

By *E. H. Allen*

OHC/bl

We have no objection to the expansion of the Rock Queen Unit operations by reason of the conversion of the following wells to water injection wells:

<u>Unit Well No.</u>	<u>Location</u>
30-8	SE/4 of NE/4 of Sec. 30, T-13-S, R-32-E
30-10	NW/4 of SE/4 of Sec. 30, T-13-S, R-32-E
30-14	SE/4 of SW/4 of Sec. 30, T-13-S, R-32-E

as requested in your application of January 25, 1963.

John Trigg

By *John H. Trigg*

Date 1-28-63

MAIN OFFICE

1963 FEB 1 PM 1:31



January 25, 1963

R. C. TUCKER, PRES.

PHONE MU 2-5241
ADDRESS REPLY TO:
BOX 1659
MIDLAND, TEXAS

Great Western Drilling Company
Box 1659
Midland, Texas

Gentlemen:

We have requested expansion of the Rock Queen Unit through administrative approval as set forth in Commission Order No. R-1541. A copy of our letter requesting this expansion is enclosed.

If you have no objection to the application, please signify by signing and returning one copy of this letter to this office.

Yours very truly,

GREAT WESTERN DRILLING COMPANY

By E. H. Green

CHC/bl

We have no objection to the expansion of the Rock Queen Unit operations by reason of the conversion of the following wells to water injection wells:

<u>Unit Well No.</u>	<u>Location</u>
30-8	SE/4 of NE/4 of Sec. 30, T-13-S, R-32-E
30-10	NW/4 of SE/4 of Sec. 30, T-13-S, R-32-E
30-14	SE/4 of SW/4 of Sec. 30, T-13-S, R-32-E

as requested in your application of January 25, 1963.

GREAT WESTERN DRILLING COMPANY

By A. Green

Date 1-30-63





STATE ENGINEER OFFICE
1963 FEB 4 AM 8:25

STATE OF NEW MEXICO
STATE ENGINEER OFFICE
SANTA FE

S. E. REYNOLDS
STATE ENGINEER

February 1, 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 Great Western Drilling Company which seeks administrative approval for conversion of Wells 30-8, 30-10 and 30-14, to water injection wells, which was submitted on January 22, 1963.

In view of Mr. Crews' statements, pertaining to the wells, that injection will be down 2" tubing under a packer set well below the top of the cement surrounding the casing, this office offers no objection to the granting of the application.

Very truly yours,

S. E. Reynolds
State Engineer

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

ma

cc-Great Western Drilling Co.
F. H. Hennighausen