

MAIN OFFICE 002
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July 20, 1960

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 two Unit Wells to Water
Injection Wells, Rock Queen Unit, Chaves
& Lea Counties, New Mexico

Gentlemen:

As provided in the Oil Conservation Commission order No. R-1541, Great Western Drilling Company, as operators of the Rock Queen Unit, requests administrative approval for the conversion of the following Unit Wells to Water Injection Wells:

<u>Unit Well No.</u>	<u>Location</u>
26-4	NW/4 of NW/4 of Sec. 26, T-13-S, R-31-E,
27-8	SE/4 of NE/4 of Sec. 27, T-13-S, R-31-E

Well No. 27-1, offset by Wells 26-4 and 27-8, has received response to water injection since July 15, 1960. The last test on June 24, 1960 was 12 barrels per day. This has increased to 27 barrels per day as of July 17, 1960.

We respectfully submit that the ultimate recoverable oil from the Rock Queen Reservoir will be decreased and that waste will occur due to an unbalanced condition in the pattern flooding system if Unit Wells 26-4 and 27-8 are not converted to water injection at this time.

Attached to this application are: the C-116 of Great Western Drilling Company Well 27-1, before and after stimulation; a plot of the area showing all producing, water injection and the proposed water injection wells; and the offset operators.

Waivers from offset operators are being requested at this time, and these waivers will be forwarded to the Commission so as to decrease the required fifteen (15) day interim set up by the Commission Order for administrative expansion.

Yours very truly,

GREAT WESTERN DRILLING COMPANY

By *OH*

OHC:TR



NEW MEXICO OIL CONSERVATION COMMISSION

GAS-OIL RATIO REPORT

1960 JUL 20 4:31 PM 2 Apr 03 Queen

OPERATOR Great Western Drilling Company POOL Caprock Queen
 ADDRESS Box 1659, Midland, Texas MONTH OF June, 1960
 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 4	27-1	6-24	Pump		24	21	0	11.76	3.5	300
B E F O R E S T I M U L A T I O N										

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 July 20, 1960 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 June, 19 60
 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 4	27-1	7-17	Pump		24	21	0	27	TSTM	
A F T E R S T I M U L A T I O N										

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 July 20, 1960

Great Western Drilling Company
Company

By *O.H. Crews*
O.H. Crews
Administrative Coordinator
Title

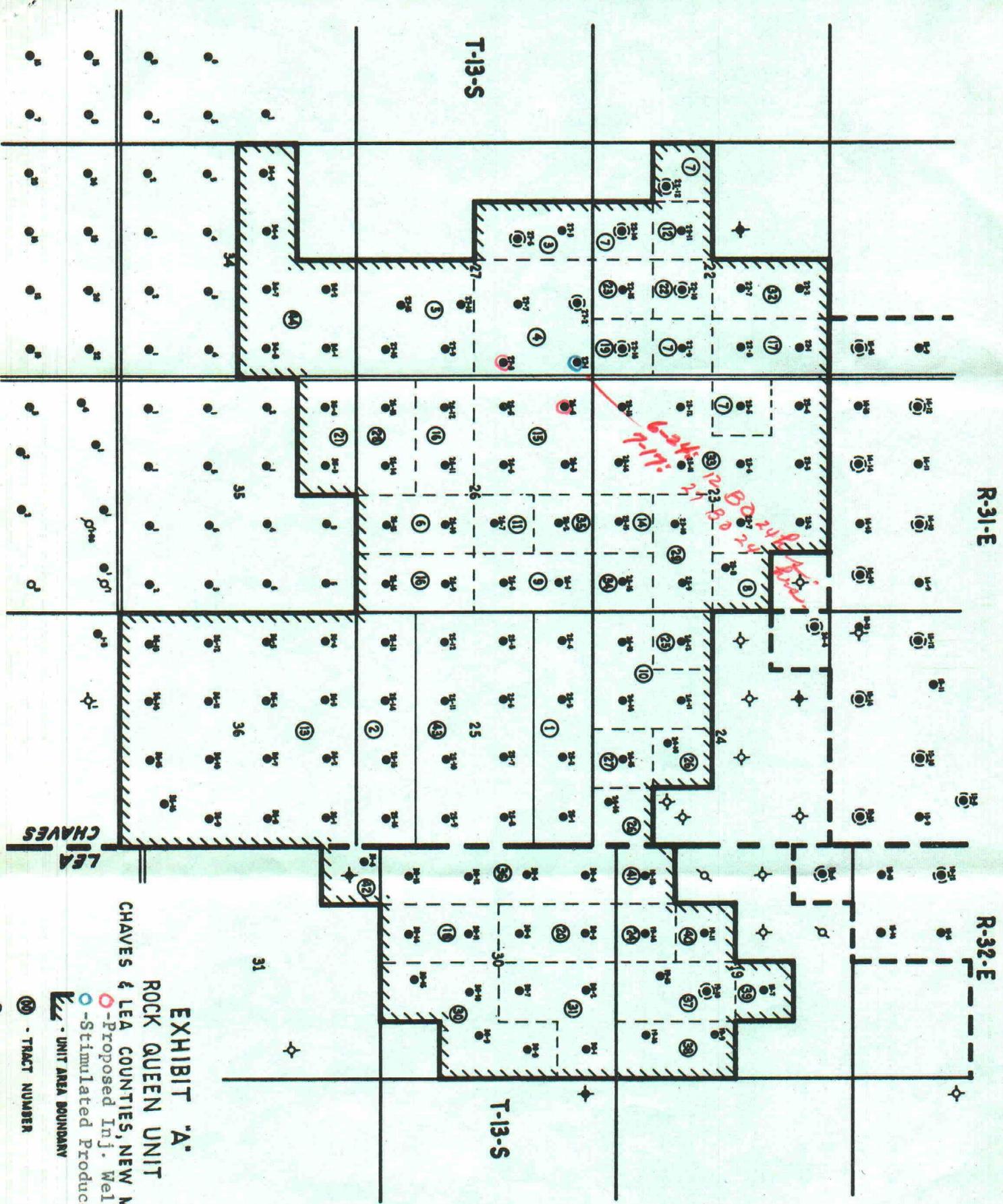


EXHIBIT "A"
ROCK QUEEN UNIT
CHAVES & LEA COUNTIES, NEW MEXICO

- - Proposed Infill Wells
- - Stimulated Producer
- ⊕ - UNIT AREA BOUNDARY
- ⊙ - TRACT NUMBER
- ⊕ - INJECTION WELL

LEA
 CHAVES



MAIN OFFICE 000

1960 JUL 28 AM 11 37

STATE OF NEW MEXICO

STATE ENGINEER OFFICE

SANTA FE

S. E. REYNOLDS
STATE ENGINEER

July 26, 1960

ADDRESS CORRESPONDENCE TO:
P. O. BOX 1079
SANTA FE, N. M.

Mr. A. L. Porter, Jr.
Secretary-Director
Oil Conservation Commission
Santa Fe, New Mexico

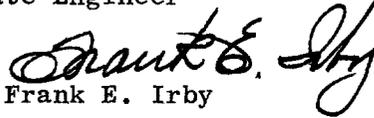
Dear Mr. Porter:

Reference is made to the application of Great Western Drilling Company which seeks to connect wells 26-4 and 27-8, Rock Queen Unit, to water injection. These wells are situated in Sections 26 and 27, Township 13 South, Range 31 East, Chaves County, New Mexico.

After reviewing the application and the casing schedule set forth in the letter of transmittal, I have reached the conclusion that there is little or no threat of contamination of fresh waters by these injection wells. Therefore, this office offers no objection to the granting of the subject application.

Very truly yours,

S. E. Reynolds
State Engineer

By: 
Frank E. Irby
Chief
Water Rights Division

FEI/ma
cc-Great Western Drilling Co.
F. H. Hennighausen



R. C. TUCKER, PRES.

July 29, 1960

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

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

Re: Waivers for Expansion of Flood,
Rock Queen Unit Wells 26-4 and 27-8

Gentlemen:

Please find the three (3) waivers required in your order No. R-1541. These waivers will obviate the necessity of the fifteen (15) day waiting period.

Yours very truly,

GREAT WESTERN DRILLING COMPANY

By O. H. Crews
O. H. Crews

OHC:TR



MAIN OFFICE



1950 JUL 2 AM 11
Aug

July 20, 1960

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 *A. Beers*

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>
26-4	NW/4 of NW/4 of Sec. 26, T-13-S, R-31-E,
27-8	SE/4 of NE/4 of Sec. 27, T-13-S, R-31-E

as requested in your application of July 20, 1960.

GREAT WESTERN DRILLING COMPANY

By *M. B. Wilson*

Date *7-29-1960*





R. C. TUCKER, PRES.

July 20, 1960

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

John Trigg,
Box 5629,
Roswell, N. Mex.

Dear Sir:

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 *John H. Trigg*

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>
26-4	NW/4 of NW/4 of Sec. 26, T-13-S, R-31-E
27-8	SE/4 of NE/4 of Sec. 27, T-13-S, R-31-E

as requested in your application of July 20, 1960.

JOHN TRIGG

By *John H. Trigg*

Date 7-28-60





MAIN OFFICE 000

1960 JUL 21 AM 11 11

Aug

R. C. TUCKER, PRES.

July 20, 1960

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

Cities Service Oil Company,
Box 97,
Hobbs, New Mexico

Attn: Mr. Geo. 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 *Ohlson*

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>
26-4	NW/4 of NW/4 of Sec. 26, T-13-S, R-31-E
27-8	SE/4 of NE/4 of Sec. 27, T-13-S, R-31-E

as requested in your application of July 20, 1960.

CITIES SERVICE OIL COMPANY

By: *Robertson*

Date: *July 22 1960*

