



September 20, 1962

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 three
 Unit wells to water injection
 wells, Rock Queen Unit, Lea and
 Chaves Counties, New Mexico

Gentlemen:

As provided in the Oil Conservation Commission Order No. R-1541, Great Western Drilling Company, as operator 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>
30-2	NW/4 of NE/4 of Sec. 30, T-13-S, R-32-E, Lea County, New Mexico
30-6	SE/4 of NW/4 of Sec. 30, T-13-S, R-32-E, Lea County, New Mexico
30-12	NW/4 of SW/4 of Sec. 30, T-13-S, R-32-E, Lea County, New Mexico

Well 30-3, an offset to 30-2 and 30-6, has received response to water injection. The test on August 15, 1962 was 7 barrels per day. A test as of September 15, 1962 was 12 barrels per day. Well 30-5 is an offset to 30-6 and 30-12. A test August 12, 1962 produced 6 barrels. The test of September 14, 1962 was 10 barrels per day. (No pumping changes in these two wells have been made).

We respectfully submit that the ultimate recoverable oil from the Rock Queen Unit Reservoir will be decreased and that waste will occur due to an unbalanced condition in the pattern flooding system if the Unit Wells 30-2, 30-6 and 30-12 are not converted to water injection at this time.

Attached to this application are: The C-116 of Great Western Drilling Company Wells 30-3 and 30-5, before and after stimulation; a plat of the area showing all producing, water injection and the 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 *[Signature]*

OHC:tr



NEW MEXICO OIL CONSERVATION COMMISSION

GAS-OIL RATIO REPORT

OPERATOR..... Great Western Drilling Company POOL..... Caprock Queen
 ADDRESS..... Box 1659, Midland, Texas MONTH OF..... August, 1962 , 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	
Rock Queen Unit Tract 20	80-3	8-15	P		24	22	0	7	TSTM	
Tract 36	80-5	8-12	P		24	18	0	6	TSTM	

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..... September 20, 1962.....

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.....September, 1962....., 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	
Rock Queen Unit Tract 20	30-3	9-15	P		24	22	0	12	TSTM	
Tract 36	30-5	9-14	P		24	18	0	10	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.....September 20, 1962.....

Great Western Drilling Company
Company

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

Administrative Coordinator
Title



September 27, 1962

R. C. TUCKER, PRES.

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

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

Attn: Mr. J. E. Kapteina

Gentlemen:

Please find all required waivers for converting wells 30-2,
30-6 and 30-12 in the Rock Queen Unit, to water injection wells as
per Commission Order No. R-1541.

Yours very truly,

GREAT WESTERN DRILLING COMPANY

By *E. H. Lewis*

OHC:tr
Enclosures





September 20, 1962

R. C. TUCKER, PRES.

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

Cities Service Petroleum 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 *[Signature]*

OHC:tr

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>
30-2	NW/4 of NE/4 of Sec. 30, T-13-S, R-32-E, Lea County, New Mexico.
30-6	SE/4 of NW/4 of Sec. 30, T-13-S, R-32-E, Lea County, New Mexico
30-12	NW/4 of SW/4 of Sec. 30, T-13-S, R-32-E, Lea County, New Mexico

as requested in your application of September 20, 1962.

CITIES SERVICE PETROLEUM COMPANY

By *[Signature]*

Date 9/26/62



GREAT WESTERN DRILLING CO.
MIDLAND, TEXAS

September 20, 1962

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. ...*

OHC:tr

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>
30-2	NW/4 of NE/4 of Sec. 30, T-13-S, R-32-E, Lea County, New Mexico
30-6	SE/4 of NW/4 of Sec. 30, T-13-S, R-32-E, Lea County, New Mexico
30-12	NW/4 of SW/4 of Sec. 30, T-13-S, R-32-E, Lea County, New Mexico

as requested in your application of September 20, 1962.

JOHN TRIGG

By *John H. Trigg*

Date 9-25-62

GREAT WESTERN DRILLING CO.
MIDLAND, TEXAS

September 20, 1981

Mr. J. L. ...
New Mexico

Dear Sir:

We have received your letter of September 17, 1981, regarding the expansion of the Rock Guard Unit through the administrative records of the New Mexico Department of Conservation. We are sorry that we cannot provide you with the information requested at this time.

If you have any questions or need clarification, please contact the person in charge of this letter to this office.

Sincerely,
[Signature]

GREAT WESTERN DRILLING COMPANY

We have no objection to the expansion of the Rock Guard Unit as requested by reason of the conveyor of the following wells to the following table:

Well No.	Location
20-11	1/4 of 1/4 of Sec. 30, T-13-S, R-12-E, Las County, New Mexico
20-12	1/4 of 1/4 of Sec. 30, T-13-S, R-12-E, Las County, New Mexico
20-13	1/4 of 1/4 of Sec. 30, T-13-S, R-12-E, Las County, New Mexico

as requested in your application of September 20, 1981.

[Signature]
[Name]
[Title]



September 20, 1962

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. Lewis*

OHC:tr

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>
30-2	NW/4 of NE/4 of Sec. 30, T-13-S, R-32-E, Lea County, New Mexico
30-6	SE/4 of NW/4 of Sec. 30, T-13-S, R-32-E, Lea County, New Mexico
30-12	NW/4 of SW/4 of Sec. 30, T-13-S, R-32-E, Lea County, New Mexico

as requested in your application of September 20, 1962.

GREAT WESTERN DRILLING COMPANY

By *E. H. Lewis*

Date *Sept 26, 1962*





STATE OF NEW MEXICO
STATE ENGINEER OFFICE
SANTA FE

S. E. REYNOLDS
STATE ENGINEER

September 26, 1962

ADDRESS CORRESPONDENCE TO:
STATE CAPITOL
SANTA FE, N. M.

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

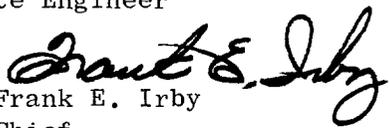
Dear Mr. Porter:

Reference is made to the application of Great Western Drilling Company which seeks administrative approval for conversion of three unit wells to water injection wells in Rock Queen Unit, Lea County and Chaves County, New Mexico. The subject wells are 30-2, 30-6 and 30-12.

In view of the applicant's statement that injection will be through 2 inch tubing under a packer set well below the top of the cement surrounding the 7 inch casing, in each case, this office offers no objection to the granting of this application.

Yours very truly,

S. E. Reynolds
State Engineer

By: 
Frank E. Irby
Chief
Water Rights Division

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

R-32-E

R-31-E

T-13-S

T-14-S

CHAVES COUNTY LEA COUNTY

R-31-E

R-32-E

Gals HBP

Whaley

15

NORTH CENTRAL CAPROCK

QUEEN UNIT

MGraith & Smith

Ohio

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