



January 3, 1961

R. C. TUCKER, PRES.

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

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

Re: Application for Administrative Approval  
for Conversion of Unit Well 26-6 to Water  
Injection, Rock Queen Unit, Lea and Chaves  
Counties, New Mexico

Gentlemen:

As provided in the Oil Conservation Commission order R-1541, Great Western Drilling Company as operator of the Rock Queen Unit, requests Administrative Approval for conversion of Unit Well No. 26-6 to Water Injection. Well 26-6 is in the SE/4 of NW/4 of Sec. 26, T-13-S, R-31-E, Chaves County, New Mexico.

Well 26-5 in the Rock Queen Unit, is a direct offset to Well No. 26-6. Since December 30, well 26-5 has been stimulated by water injection. This well produced 2 barrels per day during November and early December. The test on January 1, 1961 was 40 barrels in 24 hours.

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 unless Well 26-6 is converted to a water injection well at this time.

Attached to this application are: The C-116 of Well 26-5, before and after stimulation; a plat of the area showing producing, water injection and proposed water injection wells; and the offset operators.

Waivers from the offset operators are being requested at this time.

Yours very truly,

GREAT WESTERN DRILLING COMPANY

By O. H. Crews  
O. H. Crews  
Administrative Coordinator

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 January, 1961  
 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 15	26-5	1-1-61	Pump		24	27	0	40	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 January 3, 1961

Great Western Drilling Company  
Company

By O.H.Grews O.H.Grews

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 December, 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 15	26-5	12-15	Pump		24	27	0	2.2	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 January 3, 1961 Great Western Drilling Company  
Company  
 By O.H. Crews O.H. Crews  
Administrative Coordinator  
Title

R-31-E

R-32-E

T-13-S

T-13-S

G.W.D. CO.

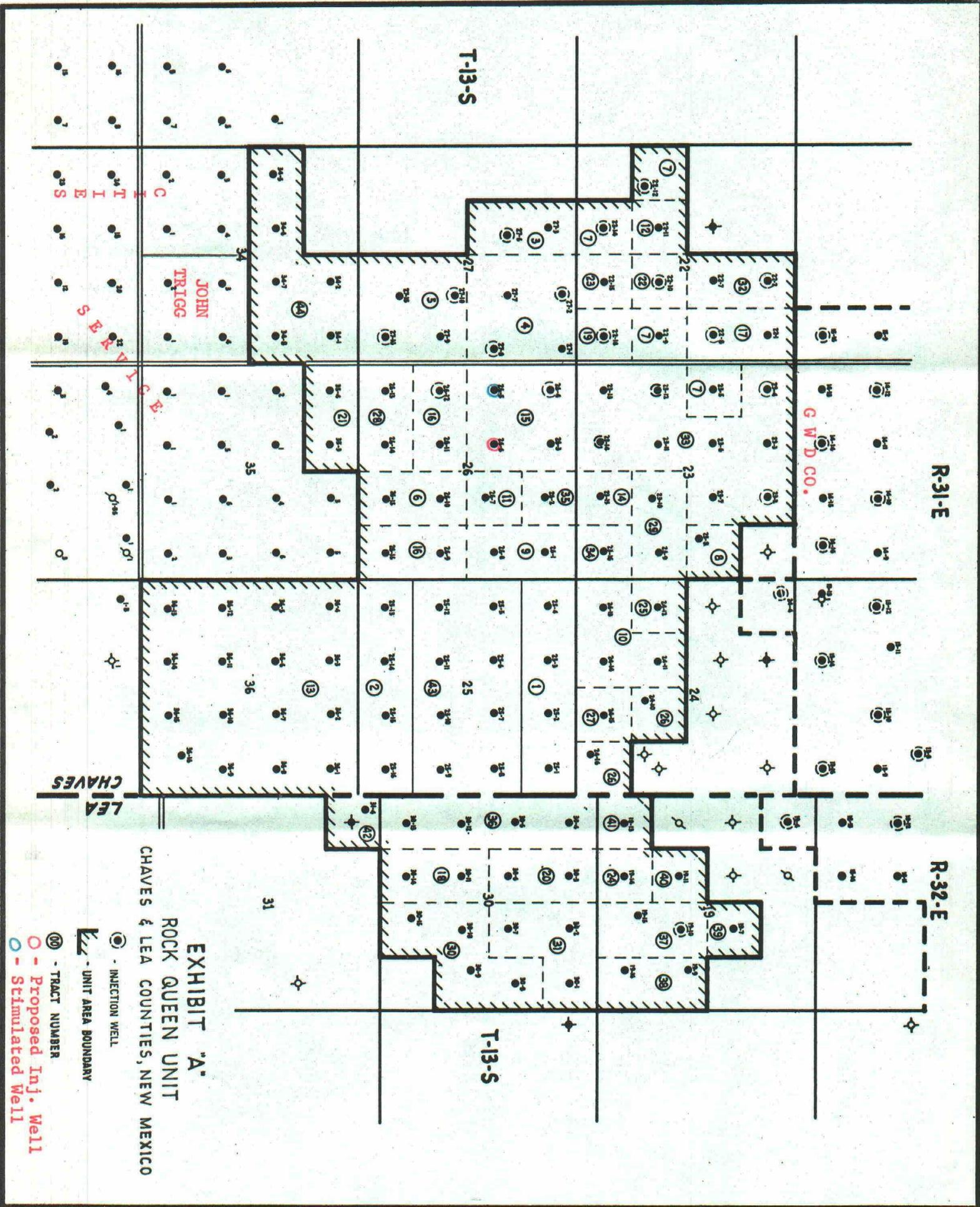
JOHN TRIGG

S.E.A.P.

C.H.T.I.E.S

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

- - INJECTION WELL
- ▨ - UNIT AREA BOUNDARY
- ⑩ - TRACT NUMBER
- - Proposed Inf. Well
- - Stimulated Well





R. C. TUCKER, PRES.

January 6, 1961

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:

Enclosed please find the required waivers on the requested expansion of the Rock Queen Unit in the Caprock Field, by the conversion of Well No. 26-6 to a water injection well.

Yours very truly,

GREAT WESTERN DRILLING COMPANY

By *[Signature]*

OHC:TR





January 3, 1961

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 *Officer*

OHC:TR

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

Unit Well No.

Location

26-6

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

as requested in your application of January 3, 1961.

GREAT WESTERN DRILLING COMPANY

By *Officer*

Date *Jan 5, 1961*



GREAT WESTERN DRILLING CO.  
MIDLAND, TEXAS

RECEIVED  
MIDLAND TEXAS  
JAN 11 1960

January 3, 1960

John Trigg,  
Box 5629,  
Roswell, New Mexico

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 Oliver

OHC:TR

We have no objection to the expansion of the Rock Queen Unit operations by reason of the conversion of the following well to a water injection well.

Unit Well No.

Location

26-6

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

as requested in your application of January 3, 1961.

JOHN TRIGG

By John H. Trigg

Date 1-4-61





STATE OF NEW MEXICO  
STATE ENGINEER OFFICE  
SANTA FE

S. E. REYNOLDS  
STATE ENGINEER

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

January 9, 1961

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 dated January 3, 1961 which seeks administrative approval for the conversion of Unit Well 26-6 to water injection, Rock Queen Unit, Lea and Chaves Counties, New Mexico.

In view of the fact that injection will be through 2" tubing under a packer set at about 3000 feet, which in each case is well below the top of the cement behind the oil string, it is concluded that a threat of contamination to any fresh waters which may exist in the area is not likely to occur. Therefore, this office offers no objection to the granting of this application.

Very truly yours,

S. E. Reynolds  
State Engineer

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

FEI/ma

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