



June 24, 1960

R. C. TUCKER, PRES.

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

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

Re: Application for Administrative Approval for a
Conversion of one Unit Well to a Water Injection
Well, North Central Caprock Queen Unit, Lea and
Chaves Counties, New Mexico

Gentlemen:

As provided in the Oil Conservation Commission Order No. R-1311, Great Western Drilling Company, as operator of the North Central Caprock Queen Unit, requests administrative approval for the conversion of the following Unit Well to a water injection well:

Unit Well No.

Location

13-14

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

Well No. 13-11, a direct offset to well 13-14, has received response to water injection since June 15, 1960. The last test on May 20, 1960, resulted in 5 barrels per day which is the allowable of this well. This has gradually increased to 20 barrels per day on the last test, June 20, 1960.

We respectfully submit that the ultimate recoverable oil from the Caprock Queen Reservoir will be decreased and that waste will occur due to an unbalanced condition in the pattern flooding system if Unit Well No. 13-14, is not converted to a water injection well at this time.

Attached to this application are: the C-116 of Great Western Drilling Company Well 13-11, before and after stimulation; a plat 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 at such time as they are executed, so as to decrease the required 15 day interim period set up by Commission order for administrative expansion.

Yours very truly,

GREAT WESTERN DRILLING COMPANY

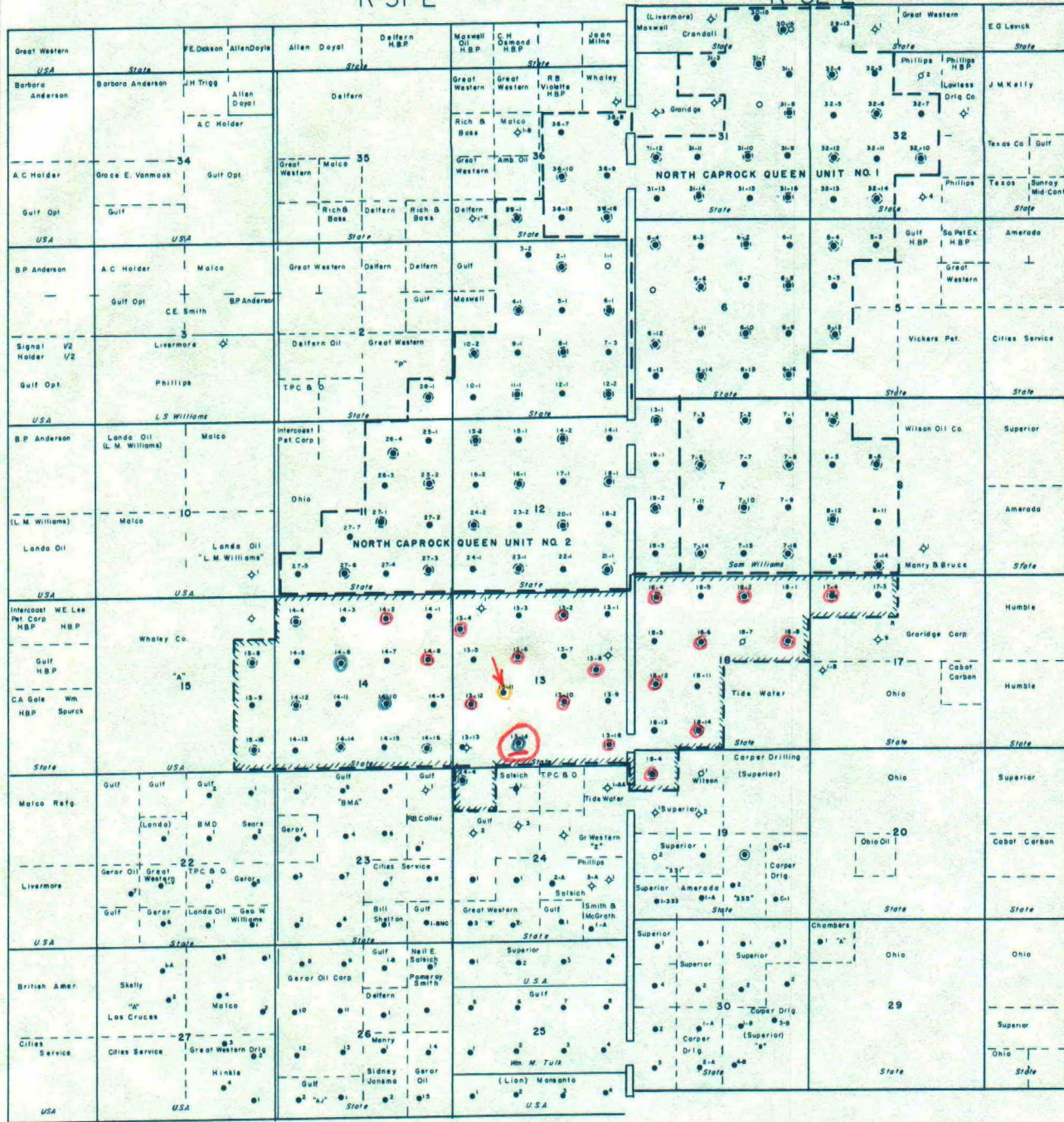
O. H. Crews
O. H. Crews

OHC:TR



R-31-E

R-32-E



T-12-S

T-13-S

NORTH CENTRAL CAPROCK QUEEN UNIT

OPERATED BY
GREAT WESTERN DRILLING COMPANY

CAPROCK QUEEN POOL

LEA AND CHAVES COUNTIES, NEW MEXICO



LEGEND

- Producer
- Injection well
- ⊕ Proposed injection well
- ◇ Dry hole

- - Injection Wells
- - Requested May 23, 1960 for Injection
- - Stimulated Well
- - Present requested injection well

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 **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	
North Central Caprock Queen Unit Tract 12	13-11	6-20	Pump		24	5	0	20	TSTM	
Test indicating stimulation from 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 **June 23, 1960**

GREAT WESTERN DRILLING COMPANY
Company

By *[Signature]*
General Superintendent
Title

MAIN OFFICE OCC



1960 JUN 29 AM 8:19

STATE OF NEW MEXICO

STATE ENGINEER OFFICE

SANTA FE

S. E. REYNOLDS
STATE ENGINEER

June 29, 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 convert well 13-14, North Central Caprock Queen Unit, to water injection.

It appears that since injection into this well will be through tubing and packer with packer set at about 3000 feet, there will be no threat of contamination to any of the water bearing formations of an age younger than Permian. Therefore, this office offers no objection to the approval of this application.

Very truly yours,

S. E. Reynolds
State Engineer

By: 
Frank E. Irby
Chief
Water Rights Division

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



June 30, 1960

R. C. TUCKER, PRES.

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

A. L. Porter, Jr.
Secretary Director of
Oil Conservation Commission
Box 871,
Santa Fe, New Mexico

Dear Mr. Porter:

Enclosed please find three (3) waivers for Administrative Approval for the expansion of the North Central Caprock Queen Unit by conversion of Well 13-14 to an injection well.

These waivers will obviate the necessity of the fifteen (15) day waiting period required by Commission Order R-1311.

Yours very truly,

GREAT WESTERN DRILLING COMPANY

By *O. H. Lewis*
General Superintendent

OHC:TR

Encl. (3)





June 24, 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 North Central Caprock Queen Unit under the system for administrative approval as set forth in the Oil Conservation Commission Order No. R-1311. A copy of our letter requesting this expansion is attached.

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

Yours very truly,

GREAT WESTERN DRILLING COMPANY

O. H. Crews
O. H. Crews
General Superintendent

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

Unit Well No.

Location

13-14

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

as applied for in your letter of June 24, 1960.

GREAT WESTERN DRILLING COMPANY

By:

M. B. Wilson

Date:

6-24-60





June 24, 1960

R. C. TUCKER, PRES.

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

Ambassador Oil Corporation,
P. O. Box 9338,
Fort Worth, Texas

Gentlemen:

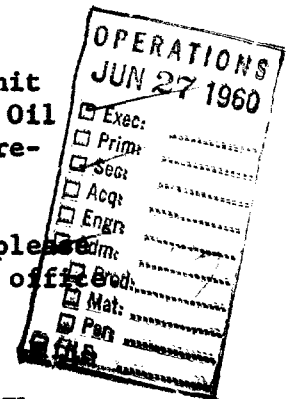
We have requested expansion of the North Central Caprock Queen Unit under the system for administrative approval as set forth in the Oil Conservation Commission Order No. R-1311. A copy of our letter requesting this expansion is attached.

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

Yours very truly,

GREAT WESTERN DRILLING COMPANY

O. H. Crews
O. H. Crews
General Superintendent



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

Unit Well No.

Location

13-14

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

as applied for in your letter dated June 24, 1960.

AMBASSADOR OIL CORPORATION

By: *E. A. Fley*

Date: *June 25, 1960*





June 24, 1960

R. C. TUCKER, PRES.

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

Graridge Corporation,
P. O. Box 752,
Breckenridge, Texas

Gentlemen:

We have requested expansion of the North Central Caprock Queen Unit under the system for administrative approval as set forth in the Oil Conservation Commission Order No. R-1311. A copy of our letter requesting this expansion is attached.

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

Yours very truly,

GREAT WESTERN DRILLING COMPANY

O. H. Crews
O. H. Crews
General Superintendent

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

Unit Well No.

Location

13-14

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

as applied for in your letter of June 24, 1960.

GRARIDGE CORPORATION

By: *F. J. Harrison*

Date: *June 29 1960*

