

R. C. TUCKER, PRES.

June 22, 1959

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

New Mexico Oil Conservation Commission Mabry Building Santa Fe, New Mexico

re: Application for Administrative Approval for conversion of 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:

Well Number

Location

13-8

SE/4 of the NE/4 of Section 13, T-13-S, R-31-E.

As evidenced by the copy of the enclosed New Mexico Oil Conservation Commission Form C-116, Well No. 18-5, located in the SW/4 of the NW/4 of Section 18, T-13-S, R-32-E, Lea County, New Mexico, has experienced response to the injection of water into the pilot waterflood area. The enclosed New Mexico Oil Conservation Commission Form C-115 shows that Well No. 18-5 produced only about 2 barrels of oil per day during the month of May. The well is now producing 17 barrels of oil per day. The stimulated well is a direct offset to the proposed injection well, therefore, as provided in your Order No. R-1311, Great Western Drilling Company applies for the expansion of the North Central Caprock Queen Unit by reason of the conversion of Well No. 13-8.

We respectfully submit that the ultimate recoverable oil from the Caprock Queen reservoir will be decreased and waste will occur, due to an unbalanced condition in the pattern flooding network if Unit Well No. 13-8



is not converted to an injection well at this time. There is attached to this application a plat of the area, showing the North Central Caprock Queen Unit outlined in yellow, the injection wells outlined in red and the proposed new injection well outlined in green. This plat also shows the names of all offset operators.

Waivers from offset operators are being requested and these waivers will be forwarded to the Commission at such time as they are executed, so as to decrease the required 15 days interim period set up by the Commission order for administrative approval.

Yours very truly,

GREAT WESTERN DRILLING COMPANY

J. T. Hampton

JTH/mls

cc: Mr. S. E. Reynolds, State Engineer
P. O. Box 1079
Santa Fe, New Mexico

Graridge Corporation P. O. Box 752 Breckenridge, Texas

Ambassador Oil Corporation 3109 Winthrop Fort Worth, Texas

Gulf Oil Corporation P. O. Box 962 Roswell, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION MAIN OFFICE OCC

1959 JUN 25-OIL RAZIO REPORT

ADDRESSA.aw	Box.	1659,	Midland,	Texas	MON	TH OF	· ····		•	June, 19.5
SCHEDULED TEST.				TION TEST			SPECIAL	TEST	X	(Check (
·	1 347 13	D		CL 1		Daily	Produ	ction Dur	ing Test	GOR
Lease	Well No.	Date of Test	Producing Method	Choke Size	Test Hours	Allowable Bbls.	Water Bbls.	Oil Bbls.	Gas MCF	Cu. Ft. Per Bbl.
h Central Cap- Queen Unit t 2	18-5	6-18	Pump		24	3	0	17	TSTM	TSTM
Great W Prior experi allowable wi	ence i	n the		ecently	Well No	. 18-3,				11.

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 1959	Great Western Drilling Company
	Company
	By S/ O. H. Crews
	General Superintendent

COPY

OIL CONSERVATION COMMISSION Santa Fe, New Mexico

Sheet	No.		

OPERATOR'S MONTHLY REPORT

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OIL CONSERVATION COMMISSION Santa Fe, New Mexico

Sheet No.		

OPERATOR'S MONTHLY REPORT

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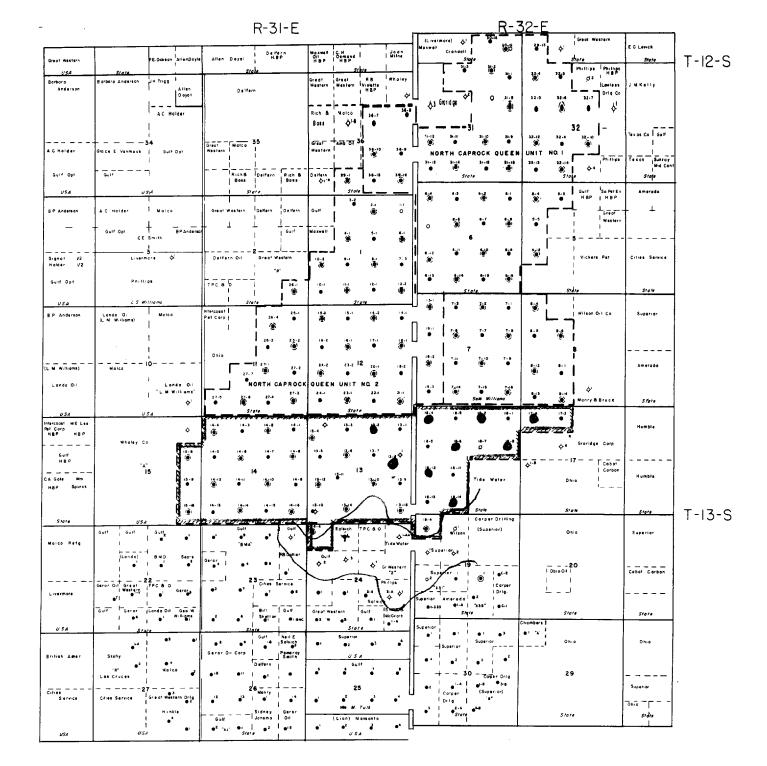
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May, 1959

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MORTH CENTRAL CAPROCK QUEEN UNIT

OPERATED BY

GREAT WESTERN DRILLING COMPANY

CAPROCK QUEEN POOL

LEA AND CHAVES COUNTIES, NEW MEXICO



Great Western Drilling Company Box 1659 Midland, Tomas

Attn. Mr. John T. Hampton

Dear Mr. Hampton:

Reference is made to the application of Great Western Drilling Company dated June 22, 1959 to convert well 13-8 in the North Central Caprock Queen Unit.

The information before this effice indicates that only a single casing wall protects the zone between 294 feet and 2370 feet. The top of the anhydrite was shown as 1440 feet.

This office will offer no objection to the conversion of this well, provided injection is made through tubing and packer with packer set at 1500 feet or deeper.

Yours truly.

S. E. Reynolds State Engineer

D. E. Gray

Ruginser

Water Rights Division

DEG/ma

cc-Mr. A. L. Porter, Jr. F. H. Hennighausen

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Send the following message, subject to the terms on back hereof, which are hereby agreed to

June 25, 1959

John T. Hampton Great Western Drilling Company Midland, Texas

Please forward at your earliest convenience well construction data including casing and cementing program on your Well #13-8 located in the SE_2^1 of the ME $_2^1$ of Section 13, Township 13 South, Range 31 East, in order that I may determine what action should be taken with respect to a waiver on your application.

Frank E. Irby Chief Water Rights Division