



WFX-
Hiding Unit
New Unit Aug 16-

July 27, 1960

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 a
Conversion of Unit Well to a Water Injection Well,
Pebble Queen Unit, Chaves County, New Mexico

Gentlemen:

As provided in the Oil Conservation Commission Order No. R-1631, Great Western Drilling Company, as Operator of the Pebble Queen Unit, requests administrative approval for the conversion of the following unit well to an injection well:

Unit Well No.

Location

2-2

NW/4 of NE/4 of Sec. 2, T-13-S, R-31-E,
Chaves County, New Mexico

Well No. 2-1, a direct offset to Well No. 2-2, has received response to water injection since July 14, 1960. Production has increased from five barrels to twenty-seven barrels as per enclosed tests on Form C-116's.

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. 2-2, is not converted to a water injection well at this time.

Attached to this application are: The C-116 of Well 2-1, before and after stimulation; a plat of the area showing all producing, water injection and the proposed water injection well; 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 the Commission Order for Administrative Approval for expansion.

Yours very truly,

GREAT WESTERN DRILLING COMPANY

OHC:TR

By

O. H. Crews

O. H. Crews



NEW MEXICO OIL CONSERVATION COMMISSION

GAS-OIL RATIO REPORT

OPERATOR Great Western Drilling Company POOL Caprock Queen
ADDRESS Box 1659, Midland, Texas MONTH OF July, 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	
Pebble Queen Unit Tract 10	2-1	7-25	Pump		24	63	0	27	TSTM	
Test after stimulation by waterflood.										

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.

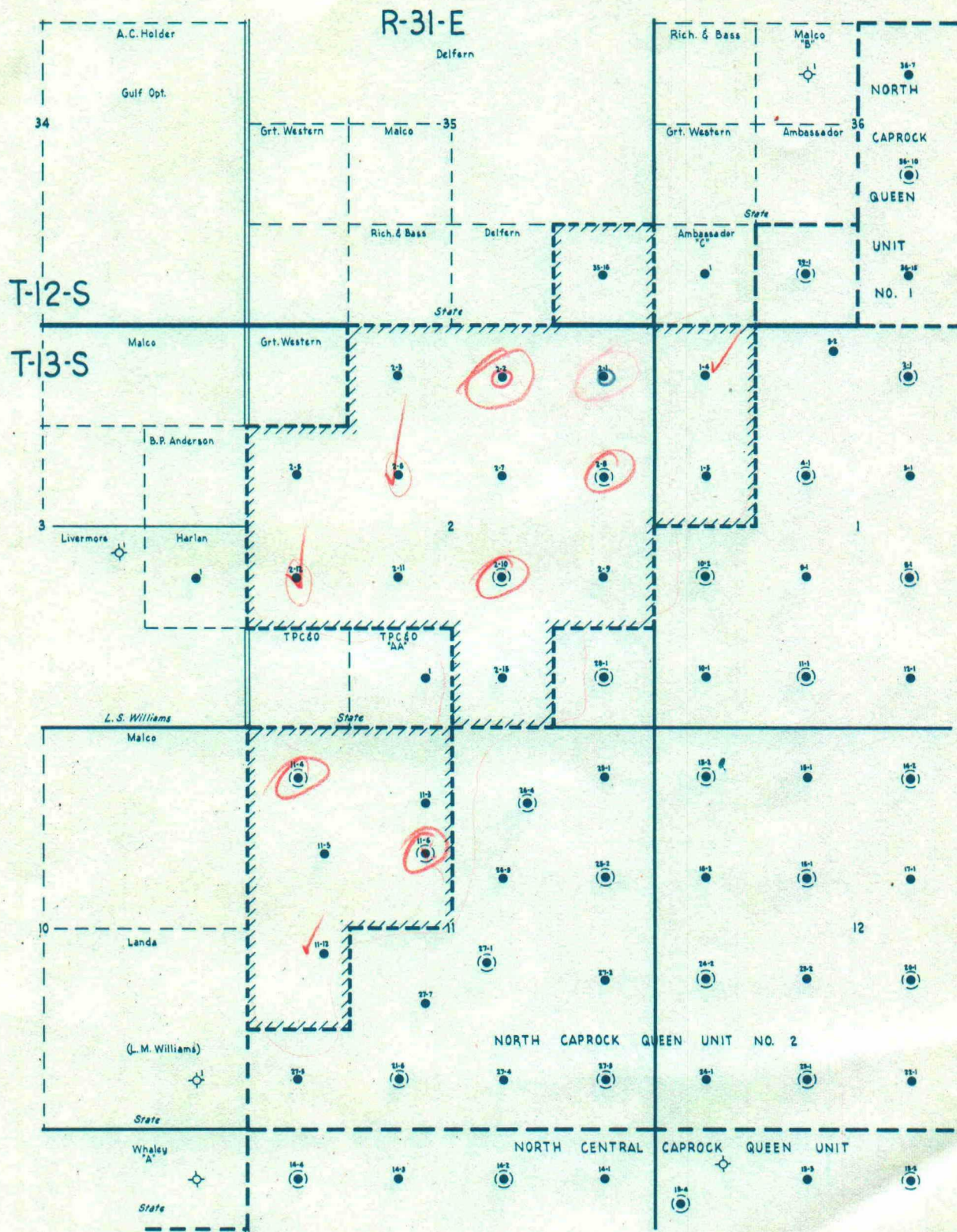
(I certify that the information given is true and complete to the best of my knowledge.)

Date July 27, 1960

Great Western Drilling Company
Company

By O.H.Crews

Administrative Coordinator
Title



PEBBLE QUEEN UNIT
CHAVES COUNTY, NEW MEXICO

- PEBBLE QUEEN UNIT OUTLINE
- OIL WELL
- WATER INJECTION WELL
- Stimulated producer
- Proposed injection well



STATE OF NEW MEXICO

STATE ENGINEER OFFICE

SANTA FE

S. E. REYNOLDS
STATE ENGINEER

August 2, 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 2-2, Pebble Queen Unit to water injection. This well was formerly Great Western Drilling Company State "TT" Well No. 2, located in the NW $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 2, Township 13 South, Range 31 East, Chaves County, New Mexico.

In view of the fact that the proposed injection will be through tubing under a packer set at 3000 feet and the fact that the 4 $\frac{1}{2}$ inch casing was cemented at 3016 feet with 100 sacks, it appears that there will be no threat of contamination to any fresh waters which may be encountered in this area. Therefore, this office offers no objection to the granting of this application.

Very truly yours,

S. E. Reynolds
State Engineer

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

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



R. C. TUCKER, PRES.

August 9, 1960

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 a Unit
Well to a Water Injection Well,
Pebble Queen Unit, Chaves County,
New Mexico.

Gentlemen:

Please find enclosed three (3) waivers on the application
of Great Western Drilling Company to convert well 2-2 to a water in-
jection well in the Pebble Queen Unit, Chaves County, New Mexico.

Yours very truly,

GREAT WESTERN DRILLING COMPANY

BY *Officer*

OHC:TR
Enclosures





July 27, 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 Pebble Queen Unit under the system for administrative approval as set forth in the Oil Conservation Commission Order No. R-1631. 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

OHC:TR

By

O. H. Crews

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

Unit Well No.

Location

2-2

NW/4 of NE/4 of Sec. 2, T-13-S, R-31-E,
Chaves County, New Mexico

as applied for in your letter of July 27, 1960.

GREAT WESTERN DRILLING COMPANY

By

Date

8-9-1960





R. C. TUCKER, PRES.

July 27, 1960

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

Texas-Pacific Coal & Oil Co.,
511 W. Ohio,
Midland, Texas

Gentlemen:

We have requested expansion of the Pebble Queen Unit under the system for administrative approval as set forth in the Oil Conservation Commission Order No. R-1631. 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

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

OHC:TR

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

Unit Well No.

Location

2-2

NW/4 of NE/4 of Sec. 2, T-13-S, R-31-E,
Chaves County, New Mexico

as applied for in your letter of July 27, 1960.

TEXAS-PACIFIC COAL & OIL CO.

By *D. A. Bonney*
D. A. Bonney, Manager of Production
Date August 1, 1960

*O.K.
A W/B*





July 27, 1960

R. C. TUCKER, PRES.

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

Harlan Production Co.,
Box 1056,
Monahans, Texas

Gentlemen:

We have requested expansion of the Pebble Queen Unit under the system for administrative approval as set forth in the Oil Conservation Commission Order No. R-1631. 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

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

OHC:TR

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

Unit Well No.

Location

2-2

NW/4 of NE/4 of Sec. 2, T-13-S, R-31-E,
Chaves County, New Mexico

as applied for in your letter of July 27, 1960.

HARLAN PRODUCTION COMPANY

By *J. C. Edmund*

Date 8/1/60

