



WFX-72  
Filing Period  
New Date Feb 2

January 17, 1961

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 a Unit Well to water  
injection, Pebble Queen Unit, Chaves  
County, New Mexico

Gentlemen:

As provided in your Order No. R-1631, Great Western Drilling Company, as operator of the Pebble Queen Unit, requests administrative approval for the conversion of Well No. 2-12, located in the NW/4 of SW/4 of Sec. 2, T-13-S, R-31-E, Chaves County, New Mexico, to an injection well.

Well No. 2-11 has increased from 1 barrel per day in December, 1960 to 7 barrels per day in January, 1961. Well No. 2-11 is a direct offset to Well No. 2-12.

We respectfully submit that the ultimate recoverable oil from the Pebble Queen Unit Reservoir will be decrease and that waste will occur due to an unbalanced condition in the pattern flooding system unless Well No. 2-12 is converted to water injection at this time. Proposed injection will be down 2" tubing under a packer set at about 3000'.

Attached to this application are: The C-116 of Well No. 2-11 before and after stimulation; a plat of the area showing all producing, water injection, the proposed water injection well; and the offset operator.

A waiver from the offset operator is being requested at this time.

Yours very truly,

GREAT WESTERN DRILLING COMPANY

By *[Signature]*

OHC:tr  
Enclo.



## 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	
Pebble Queen Unit Tract 10	2-11	1-15	Pump		24	63	0	7	TSTM	
Test after Stimulation of 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 January 17, 1961

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 December, 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	
Pebble Queen Unit Tract 10	2-11	12-29	Pump		24	63	0	1	TSTM	
			Test before stimulation							

No well will be assigned an allowable greater than the amount of oil produced on the official test.

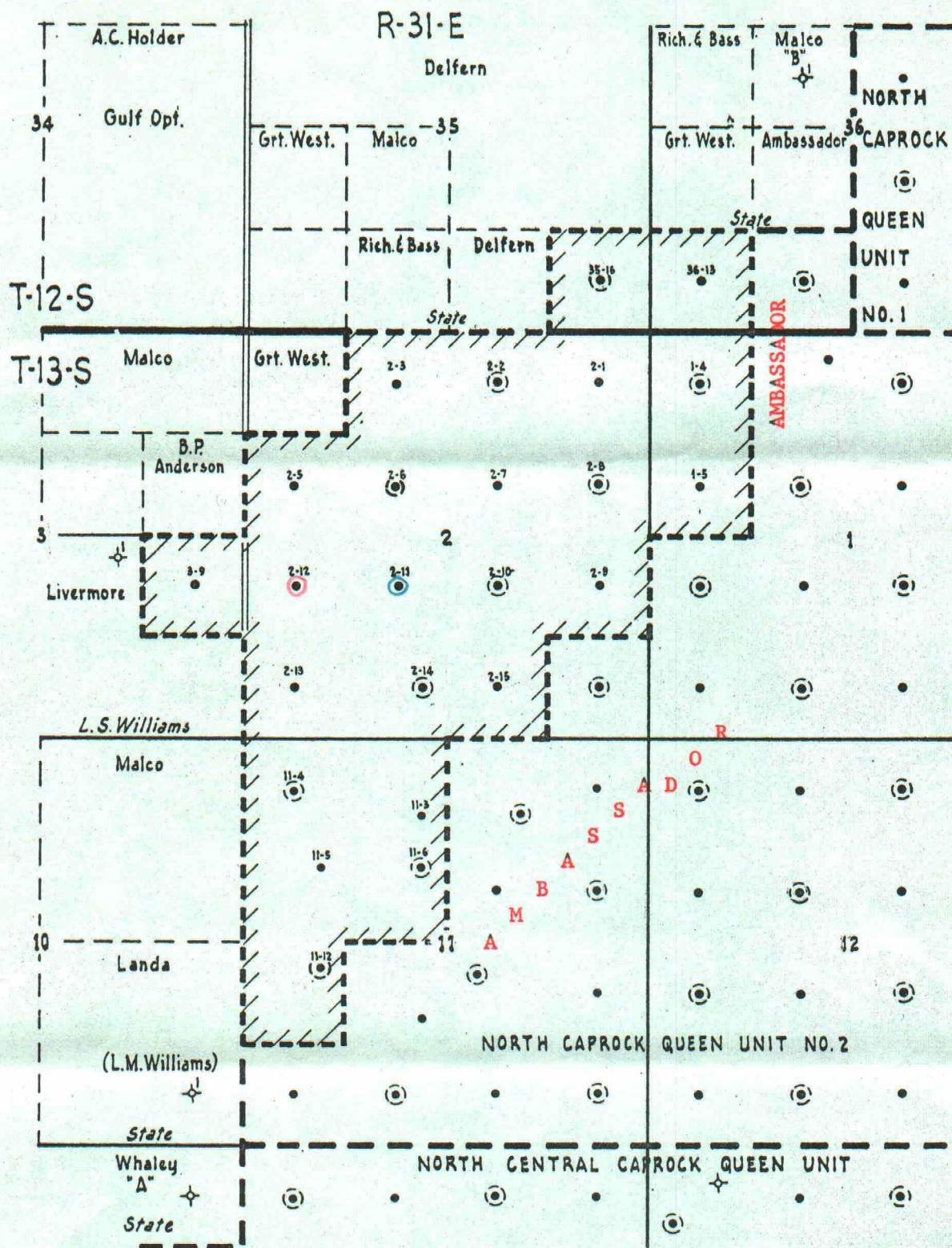
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Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission. In accordance with Rule 301 and Appropriate Pool Rules.




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

Date January 17, 1961 Great Western Drilling Company  
By O.H. Crews O.H. Crews  
Administrative Coordinator  
Title



# GREAT WESTERN DRILLING COMPANY

PEBBLE QUEEN UNIT  
CHAVES COUNTY, NEW MEXICO

 PEBBLE QUEEN UNIT OUTLINE  
 OIL WELL  
 WATER INJECTION WELL

 -Stimulated Well  
 -Proposed Injection Well





STATE OF NEW MEXICO

STATE ENGINEER OFFICE

SANTA FE

S. E. REYNOLDS  
STATE ENGINEER

January 18, 1961

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 dated January 17, 1961 which seeks administrative approval for the conversion of Well No. 2-12, Pebble Queen Unit, Chaves County, New Mexico, to water injection.

In view of the fact that injection will be through 2" tubing under a packer set at about 3000 feet, which 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

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



R. C. TUCKER, PRES.

January 23, 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 waiver of the only offset operator  
to the Pebble Queen Unit.

Yours very truly,

GREAT WESTERN DRILLING COMPANY

By *ORH*

OHC;tr





OPERATIONS	
JAN 19 1961	
<input checked="" type="checkbox"/> OK	
<input type="checkbox"/> NO	
<input type="checkbox"/> PER	
<input checked="" type="checkbox"/> FILE	
PHONE	MU 2-5241
ADDRESS	REPLY TO:
BOX 1659	
MIDLAND, TEXAS	

R. C. TUCKER, PRES.

January 17, 1961

Ambassador Oil Corporation,  
Box 9338  
Fort Worth, 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 *[Signature]*

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 water injection well:

Unit Well No.

Location

2-12

NW/4 of SW/4 of Sec. 2, T-13-S, R-31-E

as applied for in your letter of January 17, 1961.

AMBASSADOR OIL CORPORATION

By *[Signature]*

E. A. RILEY, SUPERINTENDENT SEC. RECOVERY

Date JANUARY 19, 1961

