



August 15, 1963

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 Two  
Unit Wells to Water Injection  
Wells, Malmar Unit, Lea County,  
New Mexico

Gentlemen:

As provided in the Oil Conservation Commission Order No. R-2155, Great Western Drilling Company, as operator of the Malmar Unit, requests administrative approval for the conversion of the following Unit Wells to water injection wells:

| <u>Unit Well No.</u> | <u>Location</u>                      |
|----------------------|--------------------------------------|
| 12-10                | NW/4 of SE/4 Sec. 12, T-17-S, R-32-E |
| 12-14                | SE/4 of SW/4 Sec. 12, T-17-S, R-32-E |

Well No. 12-15, an offset well to each of the above, has received response to water injection in this unit. In July Well No. 12-15 produced 5.2 barrels of oil per day on two tests. On a test August 12, 1963, Well No. 12-15 produced 10.3 barrels of oil in 24 hours.

We respectfully submit that the ultimate recoverable oil from the Malmar Unit reservoir will be decreased and that waste will occur due to an unbalanced condition in the pattern flooding system if the Unit Wells No. 12-10 and 12-14 are not converted to water injection at this time.

Attached to this application are: The C-116 of Great Western Drilling Company' Well 12-15, before and after stimulation; a plat of the area showing all producing, water injection and proposed water injection wells; and, offset operators.



Waivers and a copy of this application are being sent to offset operators as of this date.

Yours very truly,

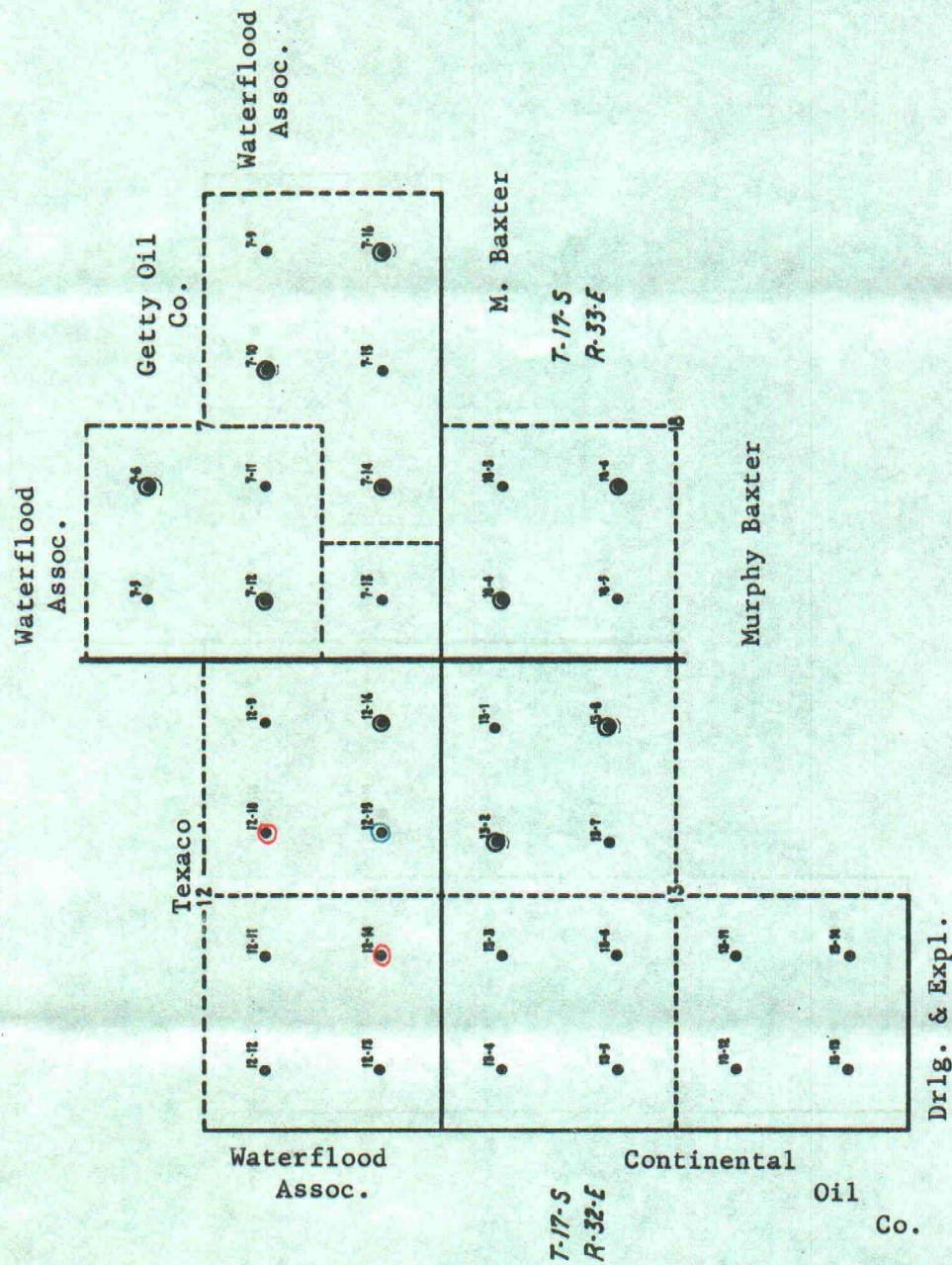
GREAT WESTERN DRILLING COMPANY

By O. H. Crews  
O. H. Crews

OHC/b1







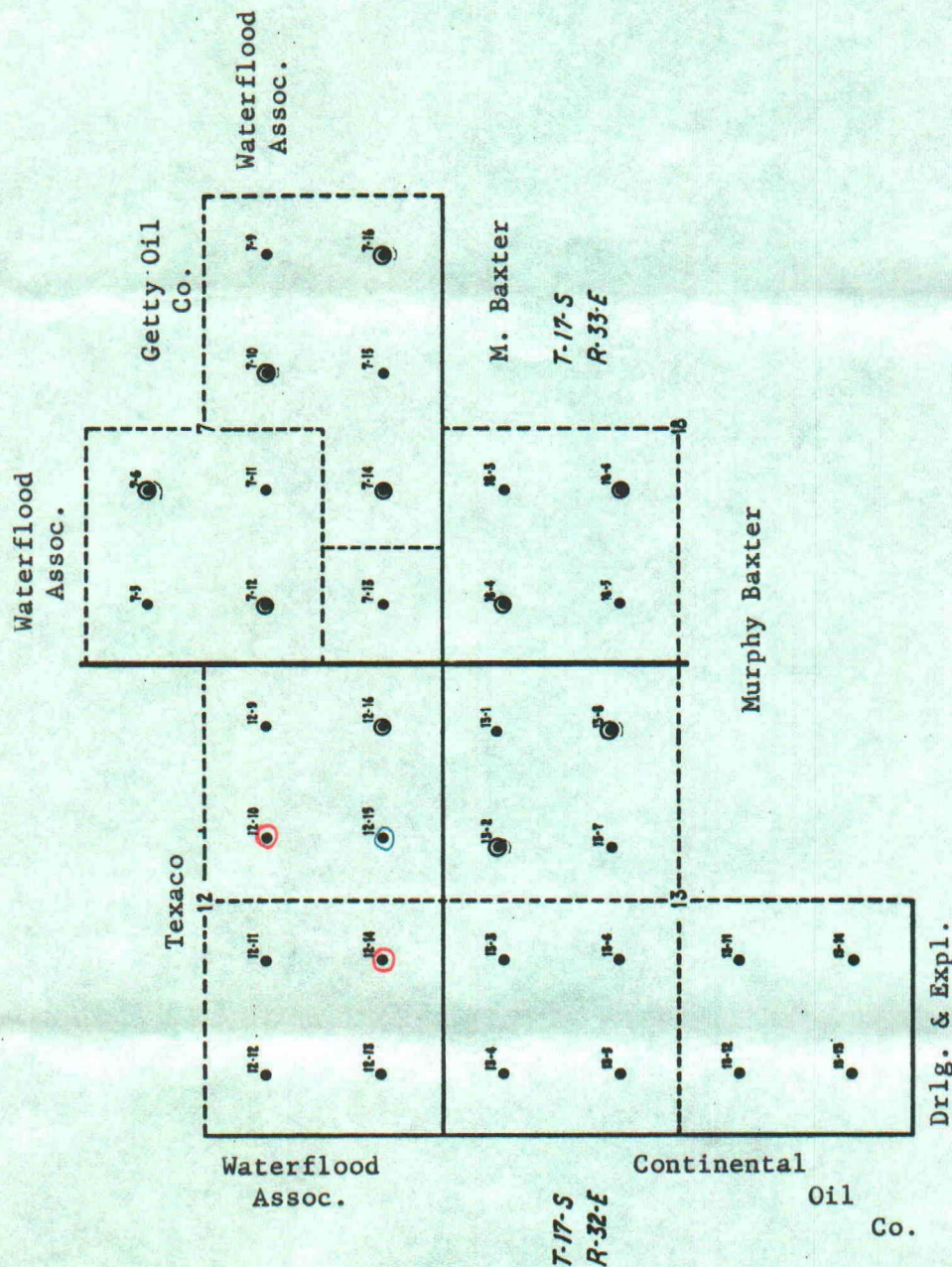
# EXHIBIT 'A'

GREAT WESTERN DRILLING COMPANY  
MALMAR UNIT  
LEA COUNTY, NEW MEXICO

Stimulated Well  
Proposed Inj.

Producing Well  
Injection Well





# EXHIBIT 'A'

GREAT WESTERN DRILLING COMPANY  
MALMAR UNIT  
LEA COUNTY, NEW MEXICO

○ Stimulated Well  
○ Proposed Inj.

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 Maljamar  
ADDRESS Box 1659, Midland, Texas MONTH OF August, 19 63  
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 |                      |
| Malmar Unit | 12-15    | 8-12         | P                |            | 24         | 8                     | 0                      | 10.3      | 15.5    | 1500                 |

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 August 15, 1963

GREAT WESTERN DRILLING COMPANY  
Company

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