

JOHN H. TRIGG COMPANY

P. O. BOX 106

MALJAMAR, NEW MEXICO

September 21, 1961

Oil Conservation Commission
Post Office Box 871
Santa Fe, New Mexico

SUBJECT: Application for approval to convert one (1) producing oil well to water injection.

REFER: Order R-1456.

Gentlemen:

John H. Trigg, the operator of a waterflood project in the Caprock Queen Field, as per Order R-1456, hereby applies for approval to expand said waterflood project. This will be accomplished by the conversion of one producing oil well to water injection. This well is located as follows;

Federal Trigg #2-9 - SE/SE of Section 9, Township 14-S, Range 31-E.

The following are set forth in support of this application for conversion;

1. Order R-1456 provides for the conversion of additional wells to water injection without hearing and notice upon the administrative approval of said conversion.
2. The conversion of said well will protect correlative rights and will in no way cause waste.
3. Federal Trigg #2 is a direct offset to Federal Trigg #1 which has received a substantial increase in production due to waterflood stimulation. We attach Commission Form C-116 to indicate oil production from this well both before and after stimulation.
4. This proposed injection well will comply with the established flood pattern for the Caprock Queen Field.
5. All offset operators have been notified with a copy of this application.
6. The State Engineer has on file a copy of this application, plus a schematic drawing of the method to be employed.
7. A plat of the project area is enclosed. Operators of oil wells, present injection wells, this proposed injection well, and property boundaries are indicated.

WFX-91

Waiting Period

Shut In Date

Oct 10

JOHN H. TRIGG COMPANY

P. O. BOX 106

MALJAMAR, NEW MEXICO

Oil Conservation Commission

September 20, 1961

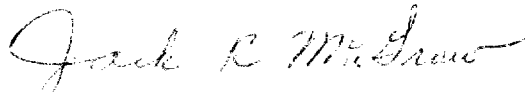
Page 2

8. Water will be injected into the Queen Sand formation through tubing with a packer set approximately 200' below the top of the calculated cement top. Refer to the attached schematic.
9. No fresh water sands have been encountered beneath the above project area.

John H. Trigg respectfully requests the State Engineer to file a waiver of objection with Mr. A. L. Porter, Jr., Secretary-Member of the New Mexico Oil Conservation Commission in Santa Fe, New Mexico pertaining to this application.

Respectfully submitted:

JOHN H. TRIGG COMPANY



Jack R. McGraw
Petroleum Engineer

JRM:ka

Encl 2

cc: Oil Conservation Commission, Santa Fe, New Mexico
State Engineer's Office, Santa Fe, New Mexico
Cities Service Petroleum Company, Hobbs, New Mexico
John H. Trigg, Roswell, New Mexico

NEW MEXICO OIL CONSERVATION COMMISSION

GAS-OIL RATIO REPORT

OPERATOR John H. Trigg Company POOL ~~XXXXXXXX~~ Caprock Queen
 ADDRESS Box 106, Maljamar, New Mexico MONTH OF September, 19 61
 SCHEDULED TEST..... COMPLETION TEST..... SPECIAL TEST XXXXXX (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 | |
| Federal Trigg | 1 | 6-1 | Pump | <u>BEFORE STIMULATION</u> | | | 0 | 1 | | |
| | | | | None | 24 | 5 | | | | |
| Federal Trigg | 1 | 9-21 | Pump | <u>AFTER STIMULATION</u> | | | 0 | 9 | | |
| | | | | None | 24 | 3 | | | | |

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 September 21, 1961

John H. Trigg Company

By *Ken Carter* Company

Production Clerk

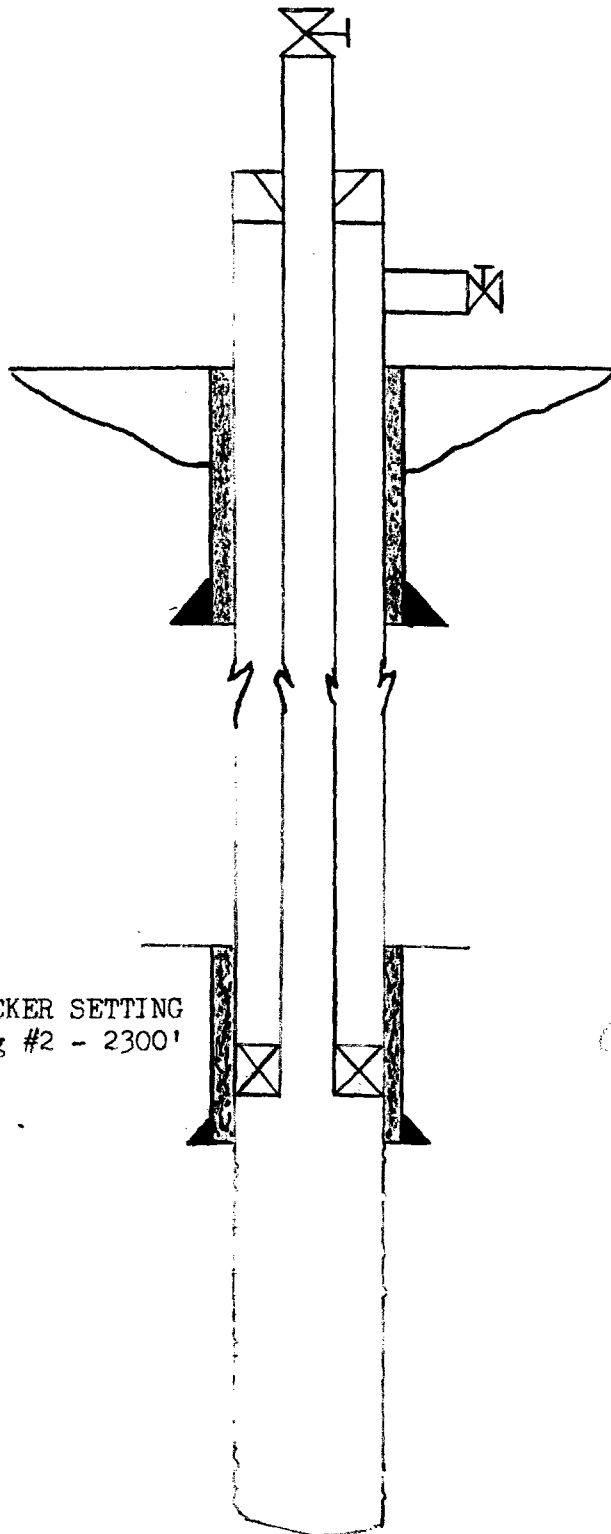
Title

JOHN H. TRIGG COMPANY

P. O. BOX 106

MALJAMAR, NEW MEXICO

INJECTION WELL SCHEMATIC DRAWING



13-3/8" SURFACE CASING
Federal Trigg #2 - 120'

APPROXIMATE PACKER SETTING
Federal Trigg #2 - 2300'

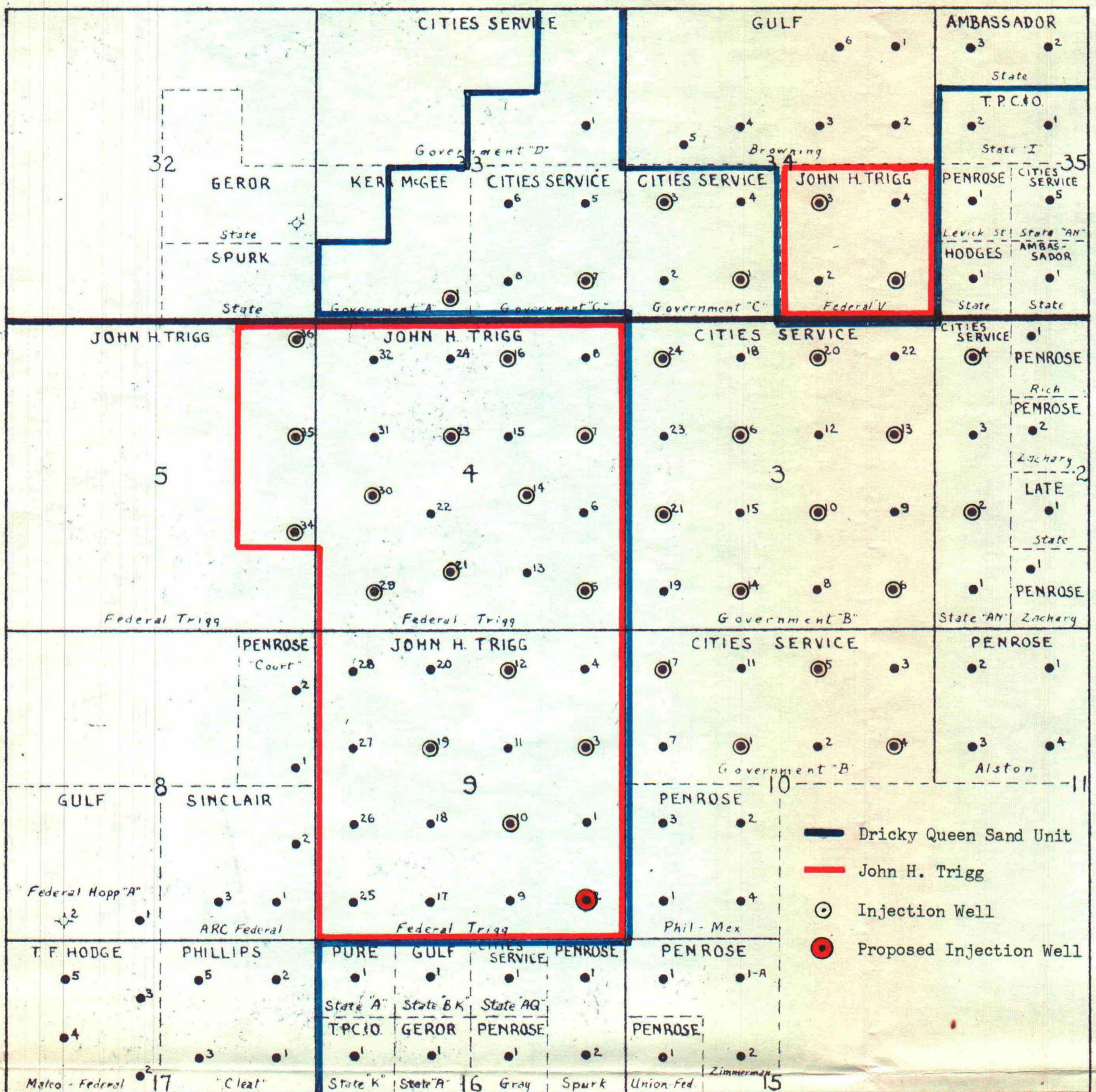
CALCULATED CEMENT TOP
Federal Trigg #2 - 2154'

Calc (JFK) 2179'

BOTTOM of 5 1/2" CASING
Federal Trigg #2 - 2788'

TOTAL DEPTH
Federal Trigg #2 - 2810'

R. 31 E.



A PORTION OF THE
CAPROCK QUEEN FIELD
CHAVES COUNTY
NEW MEXICO

OIL CONSERVATION COMMISSION

BOX 2045

HOBBS, NEW MEXICO

DATE Oct. 2, 1961

OIL CONSERVATION COMMISSION
BOX 371
SANTA FE, NEW MEXICO

Re: Proposed NSP.....

Proposed NSL.....

Proposed NEC.....

Proposed DC.....

WFX 91

Gentlemen:

I have examined the application dated.....

for the John H. Trigg Caprock Queen Waterflood Federal Trigg #2-9 9-14-31
Operator Lease and Well No. S-T-R

and my recommendations are as follows:

O.K.---E.F.E.

O.K.---J.W.R.

Yours very truly,

OIL CONSERVATION COMMISSION



STATE OF NEW MEXICO

STATE ENGINEER OFFICE

SANTA FE

S. E. REYNOLDS
STATE ENGINEER

October 3, 1961

ADDRESS CORRESPONDENCE TO:
STATE CAPITOL
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 John H. Trigg Company dated September 21, 1961 which seeks administrative approval to convert one producing oil well, Federal Trigg #2-9, SE $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 9, Township 14 South, Range 31 East, to water injection.

The diagrammatic sketch accompanying the copy of the application received in this office which shows the casing and cementing program also shows that the well will be equipped with tubing and packer through which the water will be injected. The packer is set well below the top of the cement outside the 5 $\frac{1}{2}$ " casing and it appears that there will be no threat of contamination to the fresh waters which may exist in the area. Therefore, this office offers no objection to the granting of the application.

Very truly yours,

S. E. Reynolds
State Engineer

ma
cc-John H. Trigg Co.
F. H. Hennighausen

By: 
Frank E. Irby
Chief
Water Rights Division