

JOHN H. TRIGG COMPANY

P. O. BOX 106

MALJAMAR, NEW MEXICO

WEX-105

Due Date May 19

April 30, 1962

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

Attention: Mr. A. L. Porter, Jr.

Gentlemen:

John H. Trigg, the operator of a waterflood project in the Caprock Queen Pool, Chaves County, New Mexico, hereby applies for administrative approval to convert one producing oil well to water injection as provided by Order R-1456. This well is:

Federal Trigg #32 - NW/4 NW/4 - Sec. 4 - Township 14-S - Range 31-E.

This well has experienced water breakthrough from Federal Trigg #36, which is a direct offset injection well to the west. By the conversion of this well to injection the five-spot pattern will be completed around wells #24 and #31 (refer to the attached plat). We include Form C-116 to indicate water and oil production after water breakthrough.

We propose to equip this well with cement lined tubing and a packer set below the cement top to prevent possible contamination of fresh water sands should a leak occur in the casing. Attached is a schematic drawing of the method to be employed.

All offset operators have been notified by a copy of this application and the State Engineer has on file a copy also.

The State Engineer is requested to file a waiver of objection in regard to this application with the New Mexico Oil Conservation Commission in Santa Fe, New Mexico

Respectfully submitted:

JOHN H. TRIGG COMPANY

Jack R. McGraw
Jack R. McGraw
Petroleum Engineer

JRM/ka

Enclosures

NEW MEXICO OIL CONSERVATION COMMISSION

GAS-OIL RATIO REPORT

OPERATOR John H. Trigg Company POOL Caprock Queen
ADDRESS Box 106 - Maljamar, N.M. MONTH OF April, 19 62
SCHEDULED TEST _____ COMPLETION TEST _____ SPECIAL TEST XXXXXXXX (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	32	4-26	Pump	None	24		OIL PRODUCTION AFTER WATER BREAKTHROUGH			
							97	13		

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 April 27, 1962

John H. Trigg Company
Company

By [Signature]

Production Clerk

Title

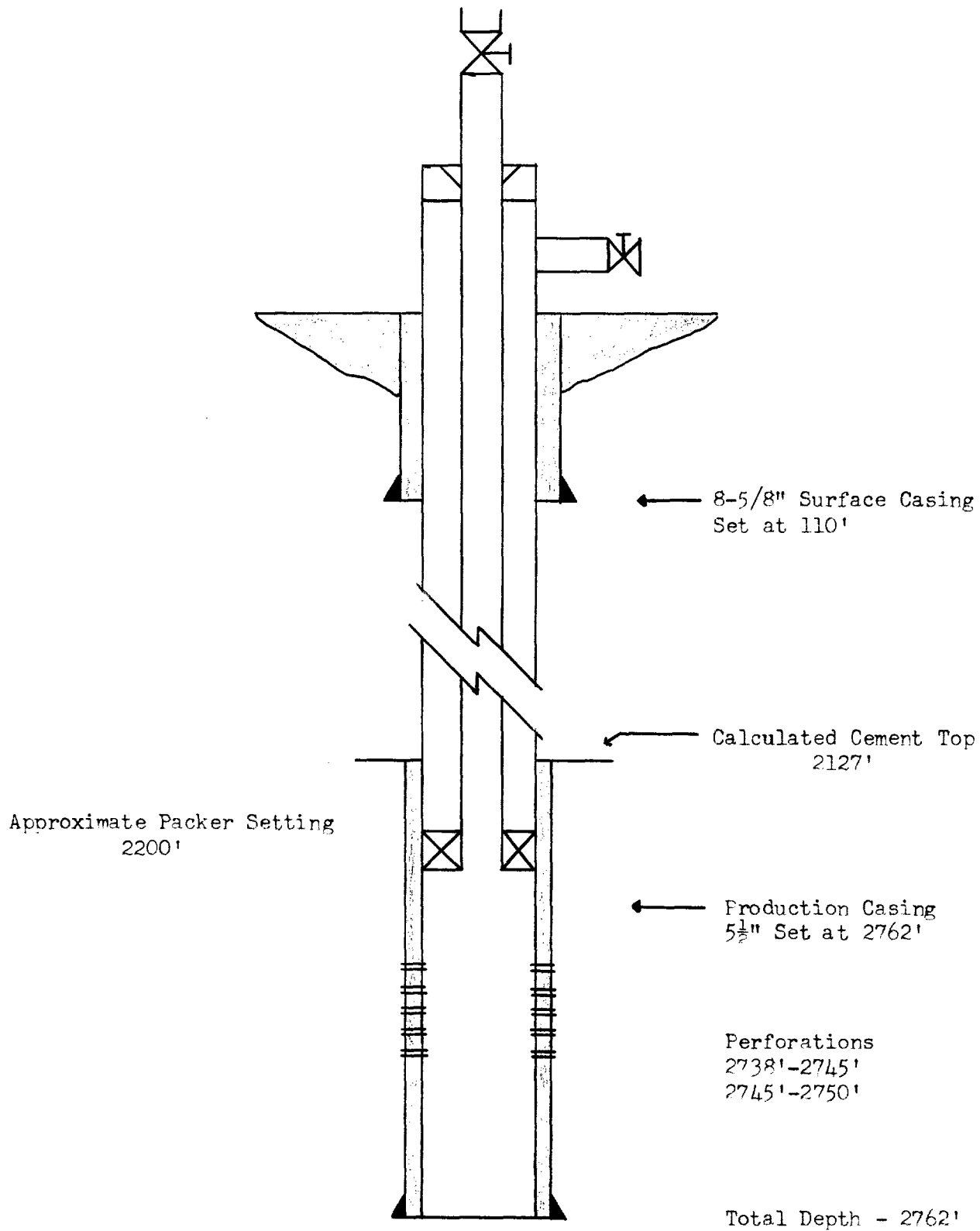
JOHN H. TRIGG COMPANY

P. O. BOX 106

MALJAMAR, NEW MEXICO

INJECTION WELL SCHEMATIC

Federal Trigg #32-4





STATE OF NEW MEXICO

STATE ENGINEER OFFICE

SANTA FE

S. E. REYNOLDS
STATE ENGINEER

May 9, 1962

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 dated April 30, 1962 which seeks administrative approval to convert one producing oil well, Federal Trigg #32, NW $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 3, 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.

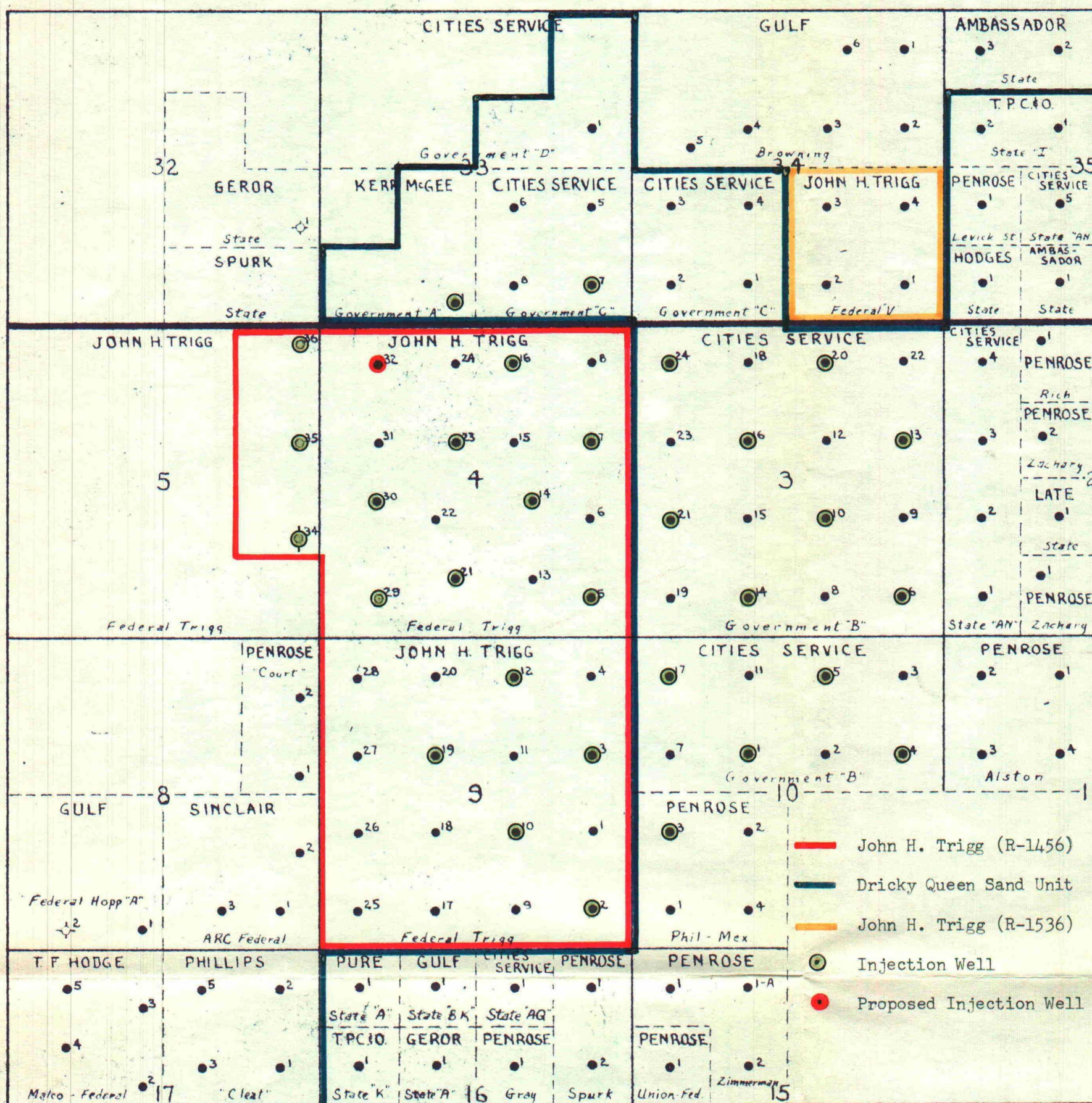
Yours truly,

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

S. E. Reynolds
State Engineer

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

R. 31 E.



A PORTION OF THE
CAPROCK QUEEN FIELD
CHAVES COUNTY
NEW MEXICO