

JOHN H. TRIGG COMPANY

P. O. BOX 5629

ROSWELL, NEW MEXICO

December 29, 1960

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

*WFX - 67*  
*Trigg, John H.*  
*12/29/60*

SUBJECT: Application for Administrative Approval  
to convert two producing oil wells to  
water injection wells.

REFER: Order R-1456, Case 1714.

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 expand said project. This expansion will be accomplished by the conversion of two (2) unit producing wells to water injection wells. These two wells are particularly located as follows;

Federal Trigg #10 - NW/SE Section 9, Township 14-S, Range 31-E  
Federal Trigg #19 - SE/NW Section 9, Township 14-S, Range 31-E.

The following statements are submitted in support of the application for the above proposed expansion and conversion;

1. Order R-1456 provides for the conversion of additional wells to water injection in said project area without hearing and notice upon administrative approval.
2. The conversion of the aforementioned wells will not in any way impair correlative rights nor cause waste.
3. Wells #10 and 19 are directly offset by well #11 and well #20, which have received a substantial increase in oil production due to waterflood stimulation. We attach Commission Form C-116 indicating oil production from these wells before and after stimulation.
4. The proposed injection wells comply with the established flood pattern approved for the Caprock Queen Pool.
5. All offset operators have been notified with a copy of this application by Registered Mail.
6. The State Engineer has on file a copy of this application, plus a schematic drawing of the method which we will inject water.

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7. A plat of the project area as established for John H. Trigg by Order R-1456, is enclosed. Operators of oil wells, present injection wells, these proposed injection wells and property boundaries are indicated.
8. Water will be injected into the Queen Sand formation through tubing with a packer set immediately above the producing formation. Refer to attached schematic drawing.
9. We have encountered no fresh water sands underlying the John H. Trigg project area located in Sections 4 and 9 of Township 14-South, Range 31-E, and SE $\frac{1}{4}$  of Section 34, Township 13-South, Range 31-E.

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

  
Gene A. Snow,  
Production Superintendent

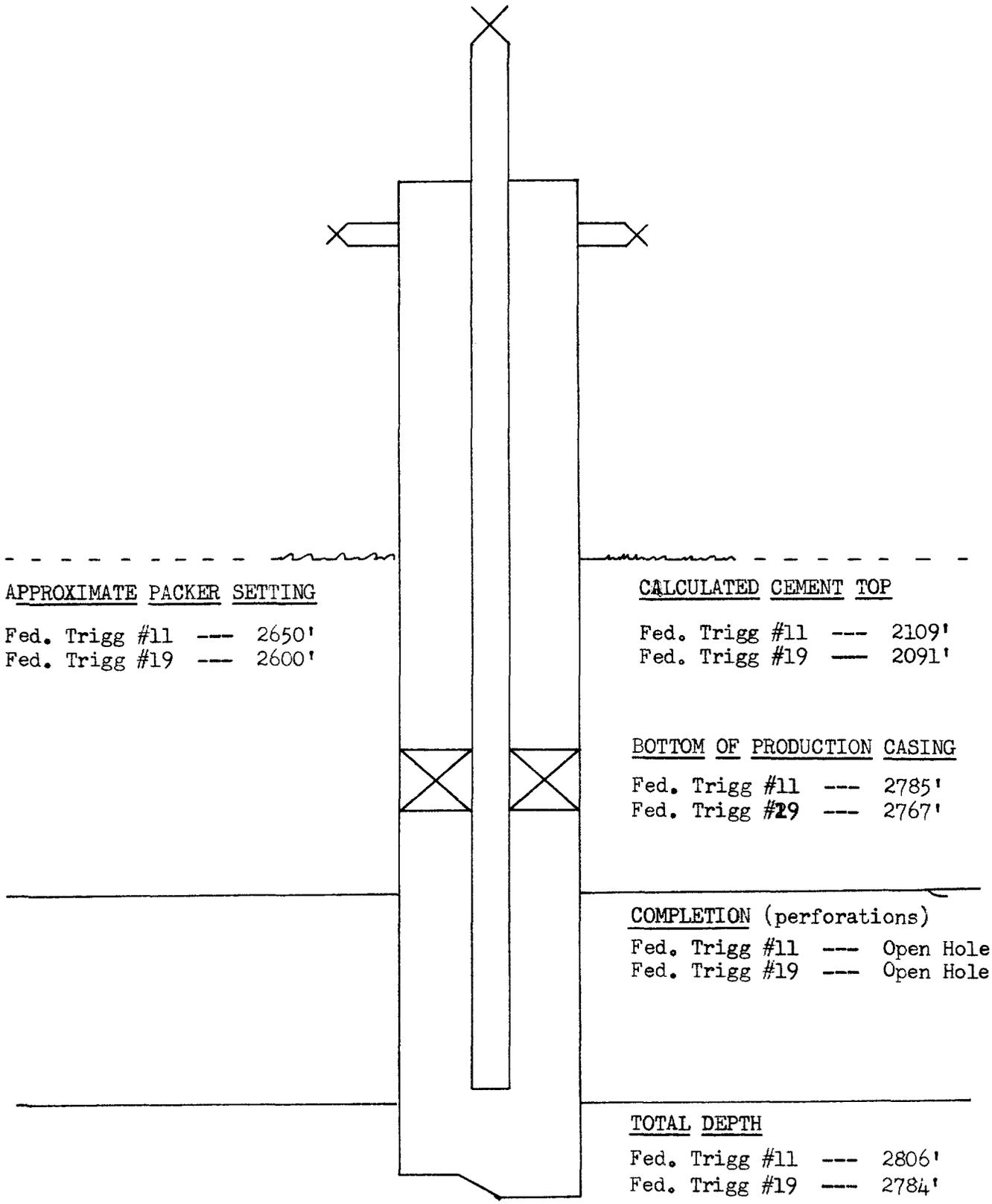
GAS:ka  
Enclosures: 2

cc: 3 - Oil Conservation Commission, Santa Fe, N.M.  
1 - State Engineer's Office, Santa Fe, N.M.  
1 - Cities Service Oil Company, Hobbs, N.M.  
1 - file  
1 - Neville G. Penrose

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APPROXIMATE PACKER SETTING

Fed. Trigg #11 --- 2650'  
Fed. Trigg #19 --- 2600'

CALCULATED CEMENT TOP

Fed. Trigg #11 --- 2109'  
Fed. Trigg #19 --- 2091'

BOTTOM OF PRODUCTION CASING

Fed. Trigg #11 --- 2785'  
Fed. Trigg #19 --- 2767'

COMPLETION (perforations)

Fed. Trigg #11 --- Open Hole  
Fed. Trigg #19 --- Open Hole

TOTAL DEPTH

Fed. Trigg #11 --- 2806'  
Fed. Trigg #19 --- 2784'

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 December, 19 60  
 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	11	3-60	Pump	None	24		0	3		
Federal Trigg	20	8-60	Pump	None	24		0	1		
Current tests after stimulation by well # 12,										
Federal Trigg	11	12-60	Pump	None	24		0	7		
Federal Trigg	20	12-60	Pump	None	24		0	15		

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 December 30, 1960

JOHN H. TRIGG COMPANY  
 Company  
 By Dene A. Snow  
 Prod. Supt.  
 Title





STATE OF NEW MEXICO

STATE ENGINEER OFFICE

SANTA FE

January 9, 1961

ADDRESS CORRESPONDENCE TO:  
P. O. BOX 1079  
SANTA FE, N. M.

S. E. REYNOLDS  
STATE ENGINEER

Mr. A. L. Porter, Jr.  
Secretary-Director  
Oil Conservation Commission  
Santa Fe, N. M.

Dear Mr. Porter:

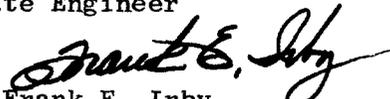
Reference is made to the application of John H. Trigg Company, Roswell, New Mexico which seeks administrative approval to convert two producing oil wells to water injection wells under Commission Order R--1456, Case 1714:

Federal Trigg No. 10- NW/SE Sec. 9, T. 14-S., R. 31-E.  
Federal Trigg No. 19- SE/NW Sec. 9, T. 14-S, R. 31-E.

Since injection will be through tubing and packer immediately above the producing formation, it appears that no threat of contamination to any fresh waters which exist in the area will 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  
Chief  
Water Rights Division

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