

**WATER FLOOD ASSOCIATES, INC.**

301 BOOKER BLDG.  
ARTESIA, NEW MEXICO

P. O. BOX 336 MAIN OFFICE OCC

PHONE SH 6-6032

OCTOBER 24, 1963

1963 OCT 25 AM 9 1 02

NEW MEXICO OIL CONSERVATION COMMISSION  
Box 871  
SANTA FE, NEW MEXICO

RE: CASE 2493, ORDER R-2196, AND  
ADMINISTRATIVE ORDER WFX No. 143,  
ARTESIA POOL, EDDY COUNTY, NEW  
MEXICO

GENTLEMEN:

ORDER R-2196 AUTHORIZED A WATER FLOOD PROJECT IN SECTION 14, T-18-S, R-28-E. ADMINISTRATIVE ORDER WFX No. 143 GRANTED PERMISSION TO CONVERT STATE 14 WELL No. 1 TO A WATER INPUT WELL. IT IS REQUESTED THAT ADMINISTRATIVE ORDER WFX No. 143 BE RESCINDED AND THAT ADMINISTRATIVE APPROVAL BE GRANTED TO CONVERT STATE 14 WELL No. 1-A TO A WATER INPUT WELL.

STATE 14 WELL No. 1-A IS LOCATED IN THE NW/4 NW/4 SECTION 14 AND WAS DRILLED IN 1955 TO A DEPTH OF 2541 FEET. PRODUCTION IS FROM THE PREMIER ZONE AT 2507 FEET TO 2539 FEET. EIGHT AND FIVE-EIGHTHS INCH CASING IS SET AT 492 FEET AND CEMENTED WITH 50 SACKS. FIVE AND ONE-HALF INCH CASING IS SET AT 2500 FEET AND CEMENTED WITH 100 SACKS.

THE REASON FOR THE REQUESTED CHANGE IN INPUT WELLS IS THE FACT THAT STATE 14 WELL No. 1 WAS SHOT WITH NITROGLYCERIN THROUGHOUT THE PREMIER PAY SECTION AND THE CASING IS SET 270 FEET ABOVE THE TOP OF THE PREMIER SECTION, WHEREAS, STATE 14 WELL No. 1-A WAS NOT SHOT AND THE 5 1/2 INCH CASING IS SET RIGHT ABOVE THE TOP OF THE PAY ZONE. IT IS BELIEVED THAT A GREATER INJECTION EFFICIENCY CAN BE OBTAINED BY INJECTING WATER INTO STATE 14 WELL No. 1-A. IT IS PLANNED TO INJECT THROUGH PLASTIC-COATED TUBING AND A TENSION-TYPE PACKER.

ATTACHED IS A PLAT SHOWING THE EXISTING INJECTION WELLS IN THE STATE 14 PROJECT.

AN INCREASE IN PRODUCTION HAS OCCURRED IN STATE 14 WELL No. 2, A DIRECT OFFSET WELL TO THE EAST. THIS WELL HAS INCREASED FROM ONE BARREL PER DAY TO APPROXIMATELY TEN BARRELS PER DAY.

NEW MEXICO OIL CONSERVATION COMMISSION  
OCTOBER 24, 1963  
PAGE 2

COPIES OF THIS LETTER ARE BEING SENT TO S. P. YATES AND INTERNATIONAL OIL AND GAS CORPORATION, THE OFFSET OPERATORS. A COPY IS BEING SENT TO THE STATE ENGINEER'S OFFICE AS WELL.

I WOULD APPRECIATE YOUR CONSIDERATION OF THIS REQUEST.

VERY TRULY YOURS,

WATER FLOOD ASSOCIATES, INC.

A handwritten signature in cursive script, appearing to read "Jack Sayers".

JACK SAYERS  
PROJECT ENGINEER

JS:EL  
ATTACHMENT

CC: INTERNATIONAL OIL & GAS CORP. - ARTESIA, N. M.  
S. P. YATES - ARTESIA, NEW MEXICO  
STATE ENGINEER OFFICE - SANTA FE, NEW MEXICO  
CURTIS MCBROOM - FORT WORTH, TEXAS





STATE ENGINEER OFFICE

1963 OCT 31 STATE OF NEW MEXICO

STATE ENGINEER OFFICE

SANTA FE

S. E. REYNOLDS  
STATE ENGINEER

October 30, 1963

ADDRESS CORRESPONDENCE TO:  
STATE CAPITOL  
SANTA FE, N. M.

Mr. A. L. Porter, Jr.  
Secretary-Director  
Oil Conservation Commission  
Santa Fe, New Mexico

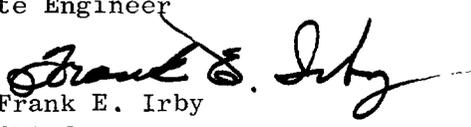
Dear Mr. Porter:

Reference is made to the application of Water Flood Associates, Inc., dated October 24, 1963 which refers to Case 2493, Order R-2196 and administrative order WFX-143.

This office offers no objection to the request to rescind administrative order WFX-143. Further, this office offers no objection to the granting of the application to convert State 14 Well No. 1-A to water injection provided injection is through plastic coated tubing and a tension packer set well below the top of the cement surrounding the 5½ inch casing.

Very truly yours,

S. E. Reynolds  
State Engineer

By:   
Frank E. Irby  
Chief  
Water Rights Division

FEI/ma  
cc-Water Flood Associates, Inc.  
F. H. Hennighausen