

**WATER FLOOD ASSOCIATES, INC.**

301 BOOKER BLDG.  
ARTESIA, NEW MEXICO

P. O. BOX 376

PHONE SH 6-6032

20 JUNE 1963

RECEIVED JUN 23 1963  
NEW MEXICO OIL CONSERVATION COMMISSION  
Box 871  
SANTA FE, NEW MEXICO

WFA-143  
1 ne July 60  
RE: CASE 2493, ORDER R-2196,  
ARTESIA POOL, EDDY COUNTY,  
NEW MEXICO

GENTLEMEN:

THE SUBJECT ORDER AUTHORIZED A WATER FLOOD PROJECT IN SECTION 14, T-18S, R-28E, WITH CERTAIN WELLS DESIGNATED AS WATER INJECTION WELLS, SUBJECT TO RULE 701. THE AUTHORIZED INJECTION WELLS ARE SHOWN ON THE ATTACHED PLAT.

STATE 14 WELL NO. 1 IS LOCATED IN NW/4 NW/4 SECTION 14 AND WAS DRILLED IN 1952 TO A DEPTH OF 3391'. THE WELL WAS PLUGGED BACK TO 2538'. PRODUCTION IS FROM THE PREMIER ZONE AT 2450' TO 2538'. 8 1/4" CASING IS SET AT 562' AND CEMENTED WITH 50 SACKS. 5 1/2" CASING IS SET AT 2180' AND CEMENTED WITH 200 SACKS.

APPLICATION IS HEREBY MADE TO CONVERT THIS WELL TO A WATER INPUT WELL. THE WELL IS ON A NORMAL INJECTION LOCATION AND FOLLOWS THE ESTABLISHED PATTERN. A SCHEMATIC DRAWING OF THE INTENDED COMPLETION IS ATTACHED. IT IS PLANNED TO INJECT THROUGH PLASTIC-COATED TUBING AND A TENSION-TYPE PACKER.

AN INCREASE IN PRODUCTION HAS OCCURRED IN STATE 14 WELL NO. 2, A DIRECT OFFSET WELL TO THE EAST, (SEE FORM C-116). THIS WELL HAS INCREASED FROM ONE BARREL PER DAY TO APPROXIMATELY TEN BARRELS PER DAY. COPIES OF THIS LETTER ARE BEING SENT TO S. P. YATES AND INTERNATIONAL OIL AND GAS CORPORATION, THE OFFSET OPERATORS. A COPY OF THE STATE ENGINEER'S LETTER IS ATTACHED.

I WOULD APPRECIATE YOUR CONSIDERATION OF THIS REQUEST.

VERY TRULY YOURS,

WATER FLOOD ASSOCIATES, INC.

  
H. C. PORTER

HCP-EL

CC: CURTIS MCBROOM  
INTERNATIONAL OIL AND GAS CORPORATION  
S. P. YATES

NEW MEXICO OIL CONSERVATION COMMISSION

GAS-OIL RATIO REPORT

OPERATOR.....WATER FLOOD ASSOCIATES, INC. POOL.....ARTESIA  
ADDRESS.....Box 376, ARTESIA, NEW MEXICO MONTH OF.....SEE BELOW....., 19.....  
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	
STATE 14	2	3/1/63	P		24		0	1	TSTM	
STATE 14	2	5/30	P		24		3	3 1/2	TSTM	
STATE 14	2	5/31	P		24		6	6	TSTM	
STATE 14	2	5/5	P		24		7	8	TSTM	

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.....JUNE 20, 1963.....

WATER FLOOD ASSOCIATES, INC.

By.....*[Signature]*.....  
Company

SUPERINTENDENT

Title



44-38861-100

WATER SUPPLIED WITH 20 PP.

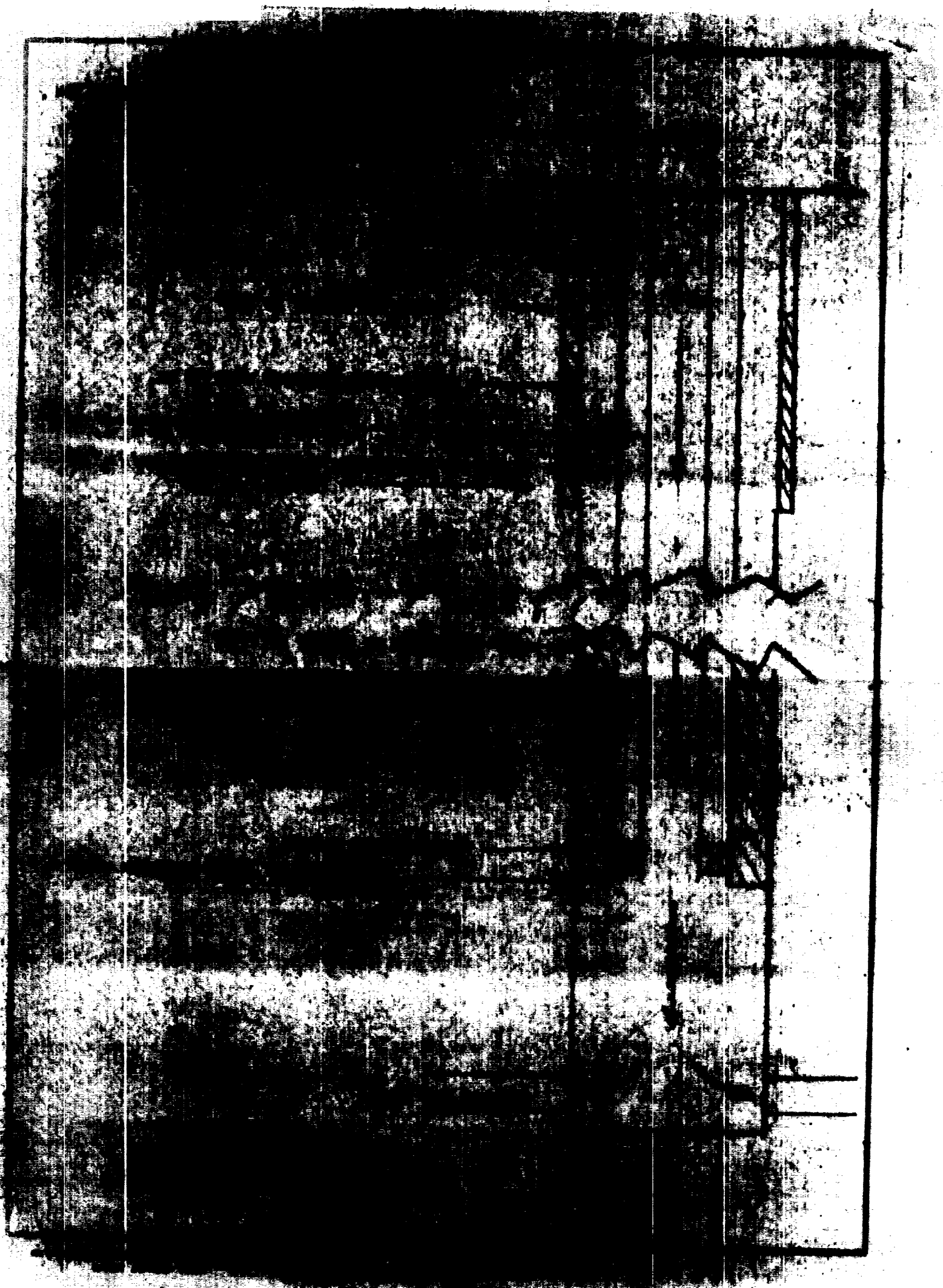
**THE BAY AT NIGHT**

CONFIDENTIAL

THE UNIVERSITY OF CHICAGO

**ILLEGIBLE**

THE UNIVERSITY OF CHICAGO



**WATER FLOOD ASSOCIATES, INC.**

301 BOOKER BLDG.  
ARTESIA, NEW MEXICO

P. O. BOX 376

PHONE SH 6-6032

27 MAY 1963

S. P. YATES  
SUITE 309 CARPER BUILDING  
ARTESIA, NEW MEXICO

INTERNATIONAL OIL AND GAS CORPORATION  
Box 427  
ARTESIA, NEW MEXICO

GENTLEMEN:

I AM ENCLOSED FOR YOUR FILES A COPY OF OUR APPLICATION  
TO THE OIL CONSERVATION COMMISSION FOR APPROVAL TO CONVERT  
STATE 14 WELL NO. 1 TO WATER INJECTION. THE WELL IS  
LOCATED IN NW/4 NW/4 SECTION 14, T-18S, R-28E.

IF THERE IS ADDITIONAL INFORMATION WHICH YOU DESIRE, PLEASE  
CALL ME.

VERY TRULY YOURS,

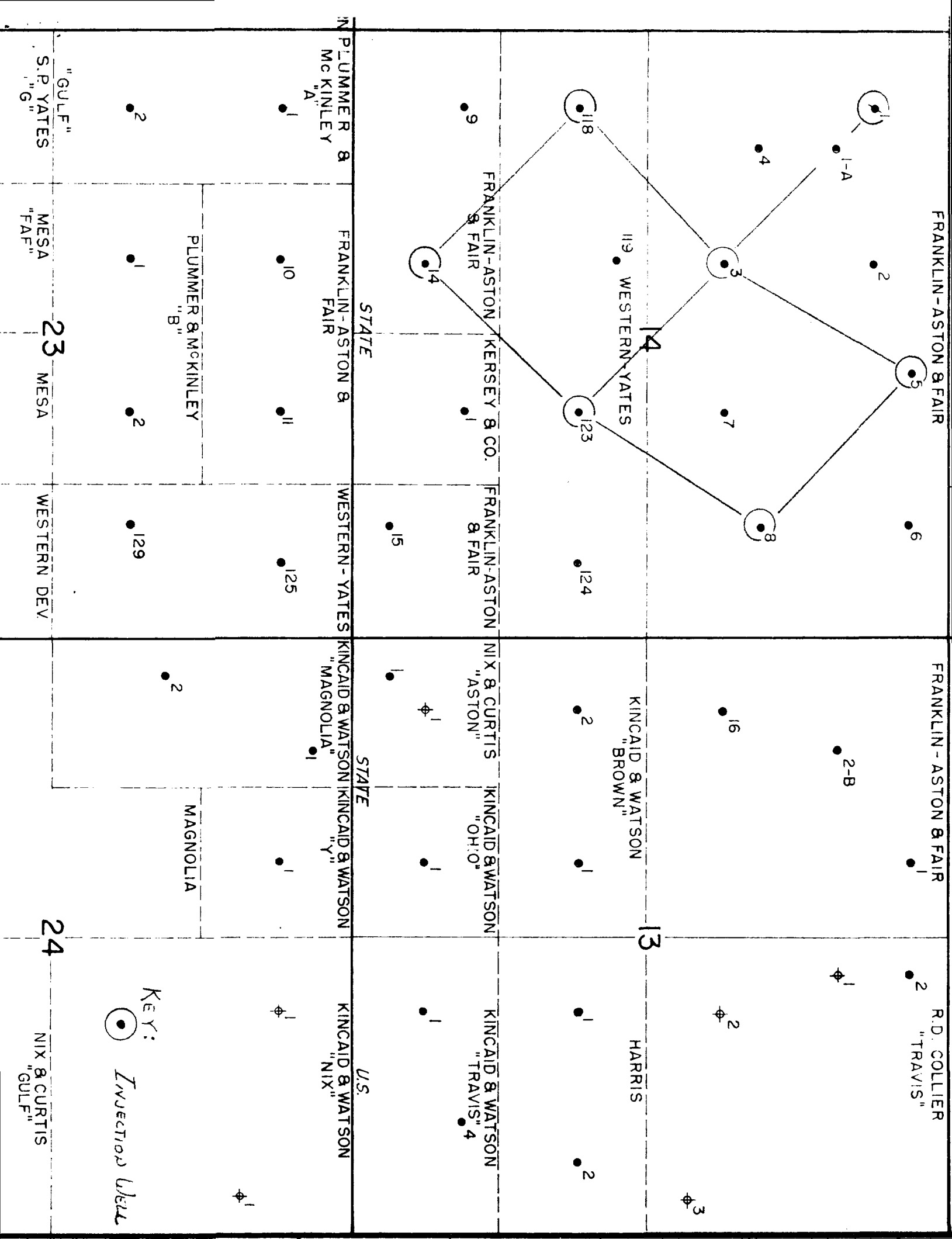
WATER FLOOD ASSOCIATES, INC.

Original Signed by H. C. Porter

H. C. PORTER

HCP-EL

CC: CURTIS MCBROOM  
OIL CONSERVATION COMMISSION  
STATE 14 FILE 2-B











STATE OF NEW MEXICO

STATE ENGINEER OFFICE

SANTA FE

S. E. REYNOLDS  
STATE ENGINEER

June 11, 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., which seeks to convert State 14 Well No. 1 to water injection. The well is located in NW $\frac{1}{4}$ NW $\frac{1}{4}$ , Section 14, Township 18 South, Range 23 East.

In view of the statement and the diagrammatic sketch indicating that the injection method will be through 2 inch plastic-coated tubing under a tension packer set well below the top of the cement surrounding the 5 $\frac{1}{2}$  inch casing, it appears that no threat of contamination to the fresh waters which exist in the area will occur. Therefore, this office offers no objection to the granting of the application.

Yours truly,

S. E. Reynolds  
State Engineer

By:

*Frank E. Irby*  
Frank E. Irby  
Chief

Water Rights Division .

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



WATER FLOOD ASSOCIATES, INC.

301 BOOKER BLDG.  
ARTESIA, NEW MEXICO

P. O. BOX 376

PHONE SH 6-6032

OCTOBER 24, 1963

MAIN OFFICE

1963 OCT 25 AM 9 01

STATE ENGINEER OFFICE  
P. O. Box 1079  
SANTA FE, NEW MEXICO

ATTENTION: MR. FRANK IRBY

DEAR MR. IRBY:

ENCLOSED FOR YOUR FILE IS A COPY OF OUR APPLICATION TO CONVERT  
STATE 14 WELL No. 1-A TO WATER INJECTION. THIS WELL IS LOCATED  
IN NW/4 NW/4 SECTION 14, T-18-S, R-28-E, EDDY COUNTY, NEW  
MEXICO. IT IS NOT IN A DECLARED BASIN.

ANY SHALLOW WATER IN THIS AREA IS PROTECTED BY SURFACE CASING  
CEMENTED INTO THE SALT. TOP OF THE SALT IS 485 FEET. FIVE AND  
ONE-HALF INCH CASING IS CEMENTED ALSO. WE PLAN TO INJECT  
THROUGH 2-INCH TUBING BENEATH A PACKER.

IF ANY ADDITIONAL INFORMATION IS REQUIRED, PLEASE CALL ME.

VERY TRULY YOURS,

WATER FLOOD ASSOCIATES, INC.

  
JACK SAYERS  
PROJECT ENGINEER

JS:EL

CC: OIL CONSERVATION COMMISSION ✓  
CURTIS MCBROOM  
FILE STATE 14 2-B