

APPLICATION OF NEWMONT OIL COMPANY  
TO EXPAND ITS WEST SQUARE LAKE WATER  
FLOOD PROJECT IN THE SQUARE LAKE  
POOL IN EDDY COUNTY, NEW MEXICO.

Administrative Order  
WFX No. 123

ADMINISTRATIVE ORDER  
OF THE OIL CONSERVATION COMMISSION

Under the provisions of Rule 701, Newmont Oil Company has made application to the Commission on November 28, 1962, for permission to expand its West Square Lake Water Flood Project in the Square Lake Pool, Eddy County, New Mexico.

NOW, on this 23rd day of January, 1963, the Secretary-Director finds:

1. That application has been filed in due form.
2. That satisfactory information has been provided that all offset operators have been duly notified of the application.
3. That previously lodged objection has been withdrawn by the objector.
4. That the proposed injection well is eligible for conversion to water injection under the terms of Rule 701.
5. That the proposed expansion of the above-referenced water flood project will not cause waste nor impair correlative rights.
6. That the application should be approved.

IT IS THEREFORE ORDERED:

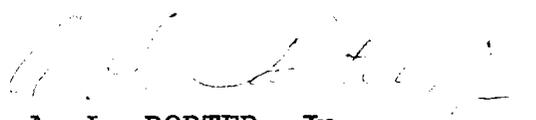
That the applicant, Newmont Oil Company, be and the same is hereby authorized to inject water into the Grayburg and San Andres formations through the following described well for purposes of secondary recovery, to wit:

George Etz Well No. 8 located in the SE/4 NW/4 of Section 35, Township 16 South, Range 30 East, NMPM.

PROVIDED HOWEVER; That applicant shall inject water through tubing with the packer set below the top of the cement outside the 7-inch casing.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

  
A. L. PORTER, Jr.,  
Secretary-Director

NEWMONT OIL COMPANY

300 BOOKER BUILDING  
ARTESIA, NEW MEXICO

November 26, 1962

NEW MEXICO  
DISTRICT OFFICE

*WFX-123*

*Due Dec 13*

State of New Mexico  
Oil Conservation Commission  
Box 871  
Santa Fe, New Mexico

Gentlemen:

We hereby make application for administrative approval to convert our George Etz No. 8 to injection. This well is currently temporarily abandoned with all casing still in place and is located 1980 from North and West lines of Sec. 35-16-30. It is included in Newmont's West Square Lake Project in the Square Lake Field of Eddy County, New Mexico.

This will be a logical expansion of an active waterflood. All provisions of Rule 701 have been complied with. As may be seen from the attached Form C-116, response has been obtained in the off-set producer, George Etz No. 17. The attached plat shows present development in this project.

The well was originally completed in August, 1942, with surface pipe (10") set at 570' with 50 sacks cement. Top of the salt is reported at 580, with no water reported above this depth. Thus all possible fresh water sources would be behind the surface pipe.

A water shut-off string of 8" casing was set from 2244-2387 and cemented with 50 sacks. The purpose was to shut off Red Sand water encountered from 2340-2362. The oil string (7") was set at 2875 and cemented with 100 sacks. Total depth is 3040', and pay zones were reported in the intervals 2952-65 and 3017-24.

We propose to clean the well out to total depth and inject down the 7" casing. In the event a casing leak should develop, it will become immediately evident by strong flow between the oil string and surface pipe, and further evidenced by abnormal injection rates and pressures. Should such a leak develop, tubing and a packer will be run.

A copy of this application is being sent to the State Engineer.

Yours very truly,



Robert J. Cook  
District Engineer

RJC-sf  
Attachment

NEW MEXICO OIL CONSERVATION COMMISSION

GAS-OIL RATIO REPORT

OPERATOR..... NEWMONT OIL COMPANY..... POOL..... WEST SQUARE LAKE.....  
 ADDRESS..... ARTESIA, NEW MEXICO..... MONTH OF....., 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	
Geo. Etz.	17	6-62	Pump		24		-0-	24		
		7-62	Pump		24		-0-	20		
		9-62	Pump		24		-0-	22		
		10-62	Pump		24		-0-	24		

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..... November 26, 1962.....

NEWMONT OIL COMPANY  
Company

By..... *Rybock*.....  
 District Engineer  
 Title