

NEWMONT OIL COMPANY

300 BOOKER BUILDING  
ARTESIA, NEW MEXICO

June 7, 1962

107-05-000

JUN 13

NEW MEXICO  
DISTRICT OFFICE

*WFX-110*

*Use Date - July 2*

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

Gentlemen:

We hereby make application for administrative approval *under*  
for conversion of the following producing wells to injection: *provisions of*

- Knox No. 2 - NE/4 NW/4 Sec. 29-16-31
- Knox No. 3 - SW/4 SW/4 Sec. 20-16-31

*Order R-110-C and  
Rule 701*

These wells are to be converted in conformance with  
the existing injection pattern.

Casing Programs: Knox No. 2: 8 5/8" 28-lb surface casing  
set at 600 ft. with 50 sacks. 5 1/2" 20-lb  
seamless casing set at 3150 ft. with 100  
sacks. Total depth is 3445 ft.

Knox No. 3: 8 1/4" 28-lb surface casing  
set at 590 ft. with 50 sacks cement. 5 1/2"  
20-lb casing set at 3115 ft. with 150 sacks  
cement. Total depth is 3428 ft.

Neither of these wells encountered fresh water while  
drilling. Since the surface string is set at the top of the salt,  
all possible fresh water sands are behind the pipe. When these  
wells are placed on injection the bradenhead between the surface  
pipe and the oil string will be left open. Should a leak develop  
in the oil string, only salt water sands will be exposed to the  
water. It has been our experience that such a leak would be  
immediately evident from the surface flow between the oil string  
and surface pipe, as well as large increases in injection rate  
and decrease in pressure. We feel, therefore, that it will not  
be necessary to run tubing and a packer at the present time. A  
packer will be run should a leak develop.

As shown on the attached Form C-116, provisions of  
Rule 701 requiring response of outside producers before flood  
expansion have been fulfilled. Vickers No. 5 and Bruning Unit No. 2

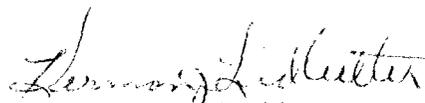
Page 2  
Oil Conservation Commission

have adequately responded.

Copies of this application have been sent to the  
State Engineer and to DOB Oil Properties, Inc.

Yours very truly,

MEMPHIS OIL COMPANY



Herman J. Ledbetter  
Superintendent

HJL-33

NEW MEXICO OIL CONSERVATION COMMISSION

GAS-OIL RATIO REPORT

OPERATOR NEWMONT OIL COMPANY POOL SQUARE LAKE  
 ADDRESS 300 BOOKER BLDG, 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	
Vickers	5	8-59	Pump	2"	24	--	0	2.71	Nil	Nil
		5-61	"	2"	24	--	0	3.46	"	"
		10-61	"	2"	24	--	0	12	"	"
		2-62	"	2"	24	--	0	8	"	"
Bruning Unit	2	8-59	Pump	2"	24	--	0	8.3	Nil	Nil
		5-61	"	2"	24	--	0	58	"	"
		10-61	"	2"	24	--	0	190	"	"
		2-62	"	2"	24	--	0	226	"	"

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 7, 1962

Newmont Oil Company  
 Company  
 By Lerman & Ledtetter  
 Superintendent  
 Title



STATE OF NEW MEXICO

STATE ENGINEER OFFICE

SANTA FE

S. E. REYNOLDS  
STATE ENGINEER

June 12, 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 the Newmont Oil Company under date of June 7, 1962 which seeks administrative approval for conversion of the following producing wells to injection wells:

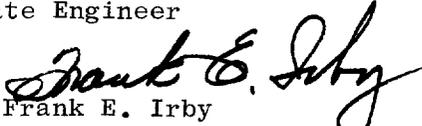
Knox No. 2 - NE $\frac{1}{4}$ NW $\frac{1}{4}$  Sec. 29-16-31  
Knox No. 3 - SW $\frac{1}{4}$ SW $\frac{1}{4}$  Sec. 20-16-31

In view of the statement contained in the application "Since the surface string is set at the top of the salt, all possible fresh water sands are behind the pipe." this office offers no objection to the granting of the application.

Yours truly,

S. E. Reynolds  
State Engineer

FEI/ma  
cc-Newmont Oil Co.  
F. H. Hennighausen

By:   
Frank E. Irby  
Chief  
Water Rights Division

LARGE FORMAT  
EXHIBIT HAS  
BEEN REMOVED  
AND IS LOCATED  
IN THE NEXT FILE