



Mobil Oil Company

A Division of Socony Mobil Oil Company, Inc.

P. O. BOX 1800, HOBBS, NEW MEXICO 88240

June 2, 1964

New Mexico Oil Conservation Commission
P. O. Box 2208
Santa Fe, New Mexico

Attn: Mr. A. L. Porter, Jr., Sec-Director

Gentlemen:

Application is herewith submitted in triplicate to commingle the crude oil production and the casinghead gas from the Vacuum Abo and Vacuum Glorieta Pools on the Socony Mobil State "M" Lease in the Vacuum Field. The State "M" Lease consists of the NW/4, Sec 34, Township 17S, Range 35E, Lea County, New Mexico. The attached plat, entitled Exhibit I, shows the lease and its producing wells. Authorization for commingling of these pools on this lease is requested under terms of Rule 303.

Production in these two zones is now available from four single completions in the Vacuum Abo Pool and one single completion in the Vacuum Glorieta Pool. Two additional single completions are expected in the Vacuum Glorieta Pool. The Vacuum Abo production is currently produced through an LACT battery. Exhibit II, schematic of the tank battery installation showing the LACT and commingling features, is attached.

Also attached is a calculated table of commingled crude volumes and values for the proposed installation. These calculations are based on current crude oil allowables and the estimated number of future completions. As shown on Exhibit III, the commingling of crude oil should increase the monthly value of crude by \$91.80 to the producer.

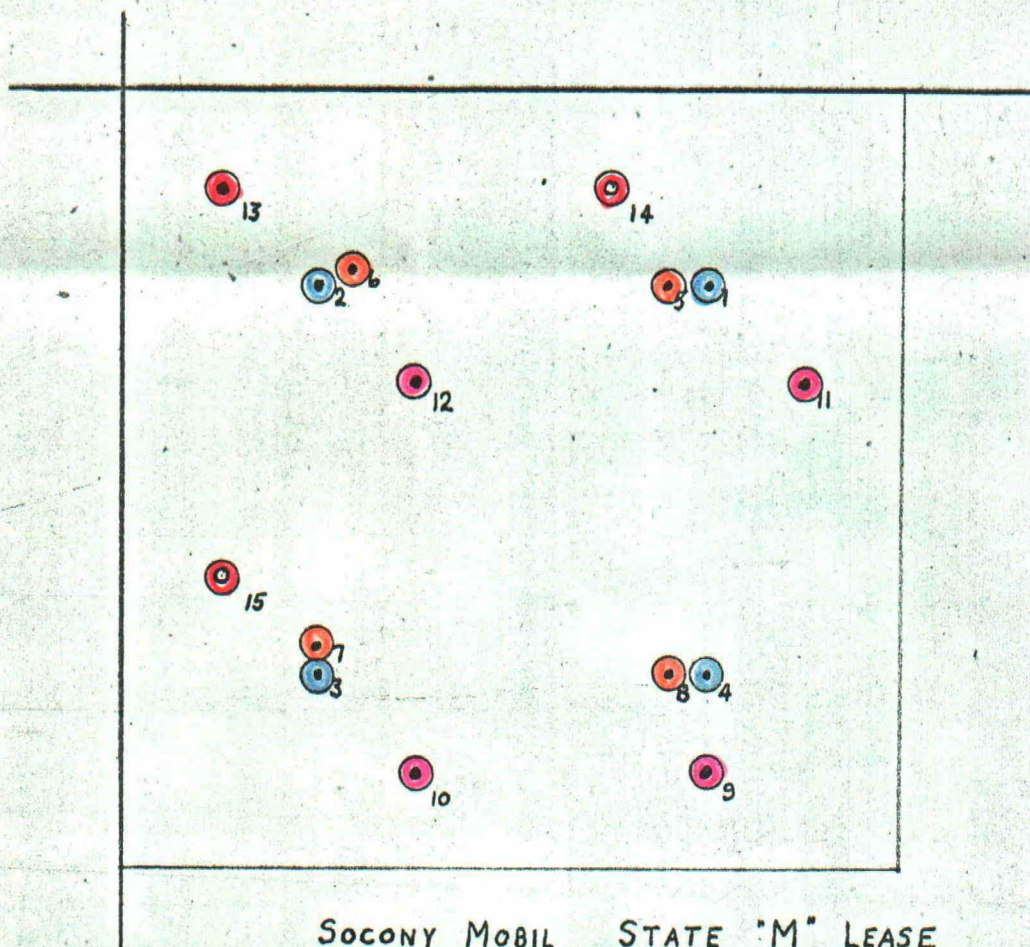
Concurrent with this request we are submitting a separate request for LACT installation on this commingled battery.

A copy of this application is being sent to the State Land Office, the royalty owner.

Yours, very truly,

L. A. Davis
Acting Producing Superintendent

JCGordon/vvd
Attachments (3)
cc: State Land Office



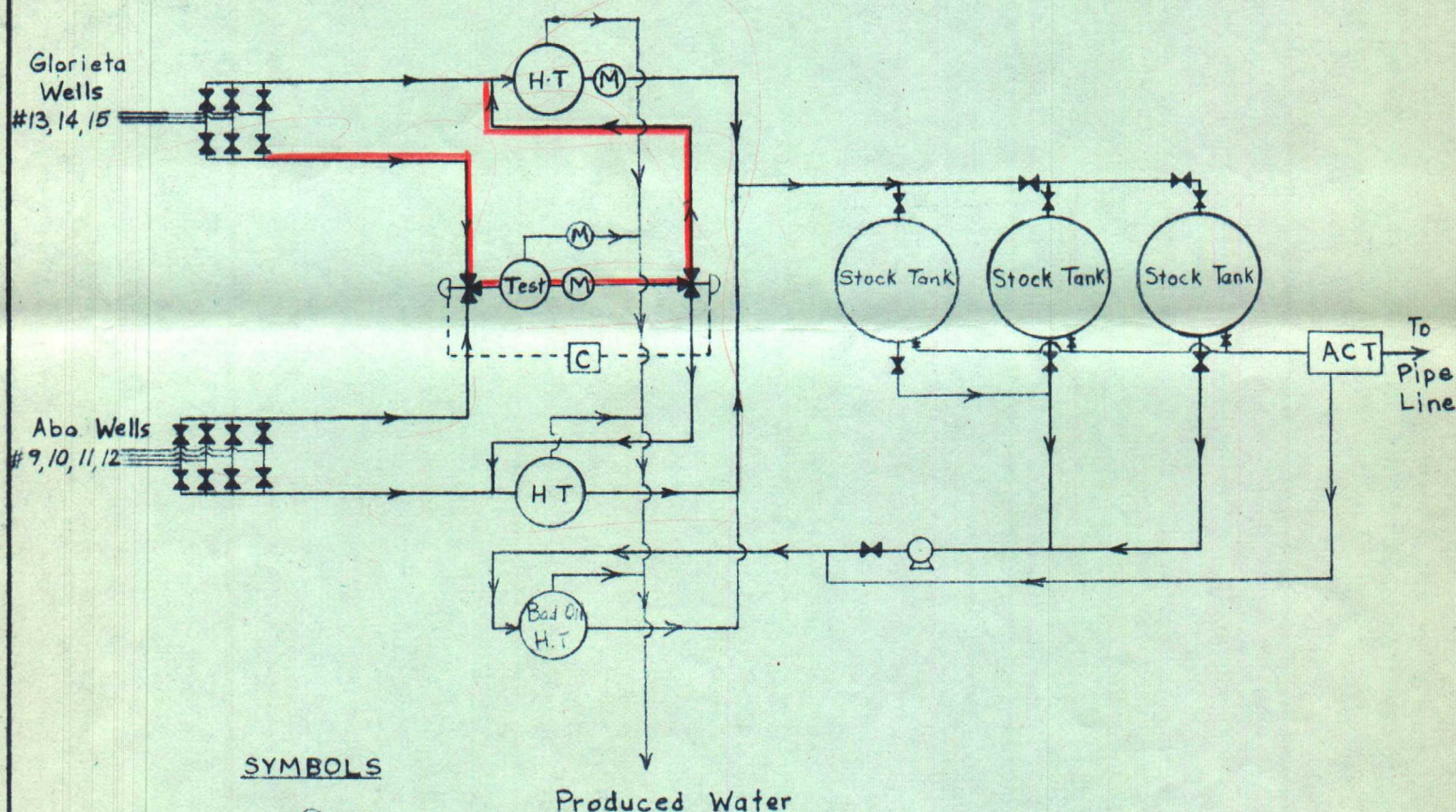
Socony Mobil STATE "M" LEASE
NW/4, SECTION 34, T-17S, R-35E
LEA COUNTY, NEW MEXICO

LEGEND

- Vacuum Pool
- Vacuum Yates Pool
- Vacuum Abo Pool
- Vacuum Glorieta Pool

EXHIBIT I

NO.	DATE	BY	ALTERATION
Commingle Application Glorieta and Abo Zones			
SOCONY MOBIL OIL COMPANY, INC. Hobbs Producing District			
DRAWN	JCG	SCALE	1"=660'
CHECKED		DATE	5-28-64
DWG. NO.			A



SYMBOLS

- Pump
- Meter
- Sampler
- Test Heater Treater
- Block Valve
- 3 Way Valve
- Heater Treater
- Control Panel

— Indicates Glorieta Well Production while on test

NO.	DATE	BY	ALTERATION
PROPOSED COMMINGLING INSTALLATION STATE 'M' LEASE Abo & Glorieta Zones			
SOCONY MOBIL OIL COMPANY, INC.			
HOBBS PRODUCING DISTRICT			
DRAWN	J.E.B.	SCALE	DWG. NO.
CHECKED	J.E.B.	DATE	12-2-64
			A

EXHIBIT III

COMMINGLED FLUID PRODUCTION

SOCONY MOBIL OIL COMPANY, INC.

STATE "M" LEASE
VACUUM ABO AND GLORIETA POOLS
LEA COUNTY, NEW MEXICO

<u>Pool</u>	<u>API Gravity</u>	<u>Monthly Production, bbls</u>	<u>Unit Value</u>	<u>Total Value</u>
Vacuum Abo (4 wells)	40.8	13,680	\$3.01/bbl	\$41,176.80
Vacuum Glorieta (1 well and 2 Future Completions)	39.0	4,590	\$2.99/bbl	13,724.10
	TOTALS	<u>18,270</u>		<u>\$54,900.90</u>
Commingled Total	40.3 (Cak)	18,270	\$3.01/bbl	\$54,992.70
Difference (value increase calculated)				\$91.80

NOTE: Top unit allowable of 38 barrels assumed.

JCG/vvd/5-28-64