

P. O. Box 2409  
Hobbs, New Mexico 88240  
Telephone 505/393-7106

May 3, 1977

New Mexico Oil Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico 87501

ATTENTION: Mr. Joe D. Ramey, Secretary-Director

Re: On Lease Commingling, Marathon Oil Company  
Lou Worthan Lease Drinkard Field  
Lea County, New Mexico

Gentlemen:

Marathon Oil Company respectfully requests administrative approval of an exception to Rule 303-A of the New Mexico Oil Conservation Rules and Regulations to permit the on-lease surface commingling of liquid hydrocarbons produced from the Blinebry, Drinkard, Tubb, Wantz Abo, and Wantz Granite Wash formations on the west half of Marathon's Lou Worthan lease. This lease is described as the north half of Section 11, Township 22-South, Range 37-East, Lea County, New Mexico.

Attached hereto is a plat showing the wells on the subject lease, the offset wells and the pools that each well on the subject lease are completed in. Also attached is a diagrammatic sketch of the proposed commingling facility showing it to be of an acceptable design in accordance with the Commissions "Manual for the Installation and Operation of Commingling Facilities."

All the wells operated by Marathon on the subject lease are marginal producers. Shown below are the average daily liquid hydrocarbon production from each zone of each well:

<u>Pool</u>	<u>Well No.</u>	<u>Top Allowable (BOPD)</u>	<u>Daily Average Liquid Hydrocarbon Production (B/D)</u>
Blinebry Drinkard	9	107	5
	10	142	2
	11*	142	2
	13	142	1
	17*	142	1
Tubb	9	107	2
	11	107	2
Wantz Abo	17*	187	5
	13**	187	25

\*Well presently shut in. No gas contract.  
\*\*Well shut in due to over production of gas.

It is not anticipated that the mixing of these liquid hydrocarbons will affect the income from the lease.

The ownership of the wells operated by Marathon on the subject lease along with the royalty ownership are common throughout.

To allocate the production to the proper well and pool, Marathon proposes to monitor each completions producing potential by periodic well tests.

Very truly yours,

Marathon Oil Company







*William D. Holmes*

William D. Holmes  
Petroleum Engineer

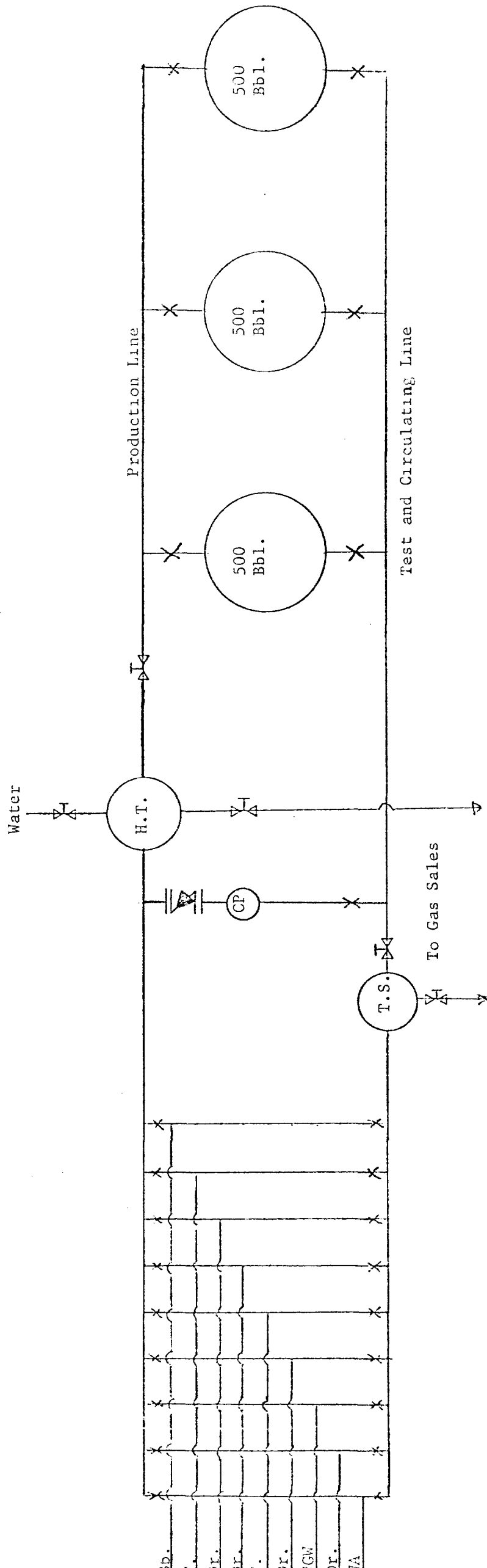
MARATHON OIL COMPANY

Schematic Diagram of Proposed Blinebry-Drinkard-Tubb- Wantz Abo- Wantz Granite Wash Commingled Tank Battery. Lou Wortman Lease (320 Acres) Unit F, Sec.11, T-22S, R-37E, Lea County, New Mexico

LEGEND

-  Heater Treater
-  Test Separator
-  Circulating Pump
-  Block Valve
-  Dump Valve
-  Check Valve

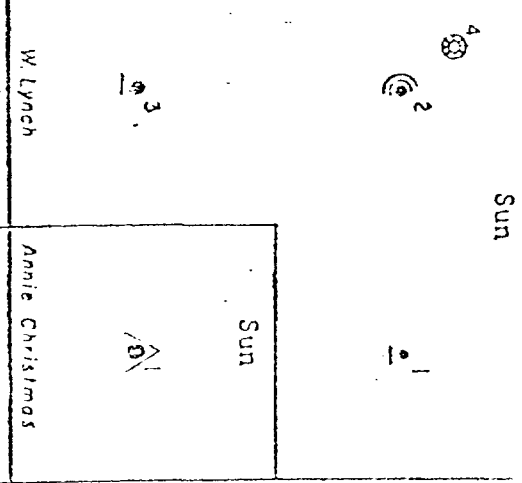
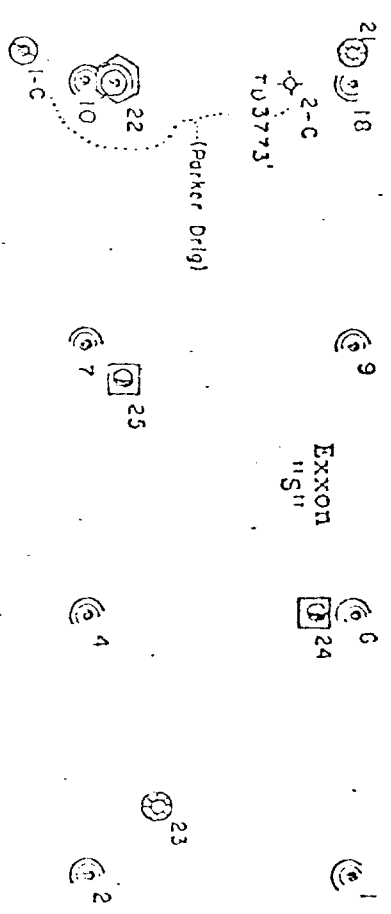
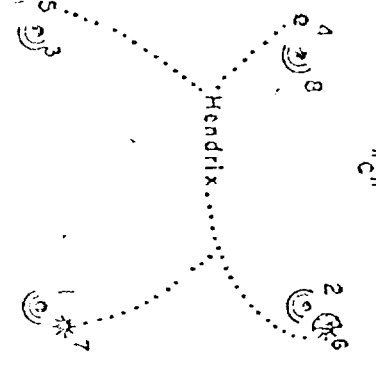
- Bb.-Blinebry
- Dr.- Drinkard
- T.- Tubb
- WA- Wantz Abo
- WGW- Wantz Granite Wash



MARATHON OIL COMPANY  
LOU WORTHAN

WELL SYMBOLS

- Drinkard Gas
- Wantz Granite Wash Oil
- Paddock Oil
- Penrose Skelly Oil
- Granite Wash Oil - Drinkard Gas  
Wantz Granite Wash Oil & Drinkard Oil
- Drinkard Oil-Bilneby Gas
- Drinkard Gas-Tubb Gas
- Bilneby Gas-Tubb Gas
- Drinkard Oil-Bilneby Oil
- Penrose Skelly Oil-Paddock Oil
- Wantz Abo - Drinkard Gas
- Penrose Skelly Oil
- Wantz-Abo & Wantz Granite Wash Oil



Gulf

Gulf

Marathon

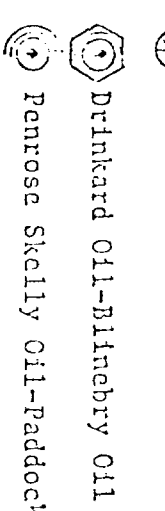
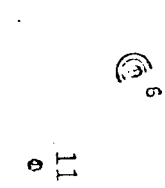
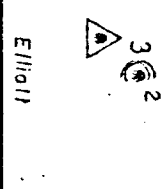
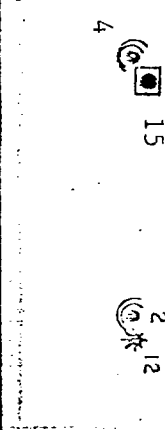
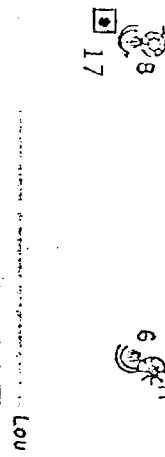
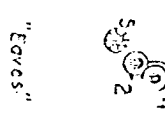
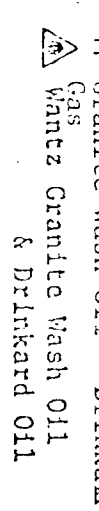
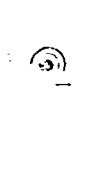
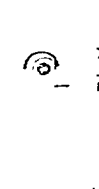
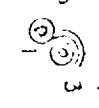
State

Marathon

W. Lynch

Annie Christmas

Exxon



"Eaves"

Shell

Lou Worthan

Mobil

Elliott

Amerado

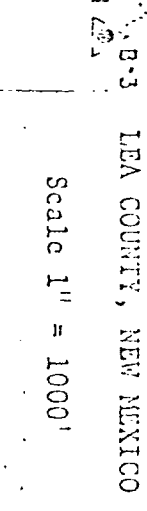
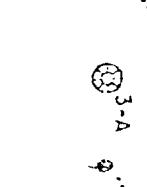
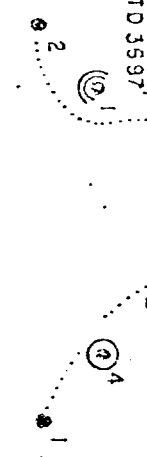
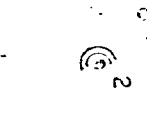
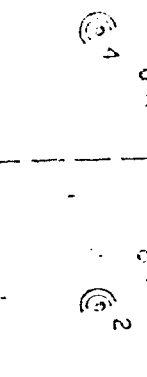
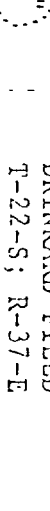
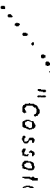
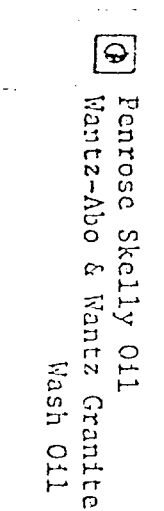
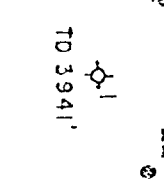
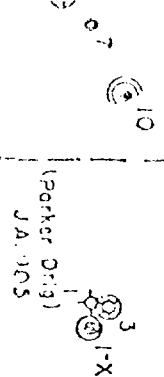
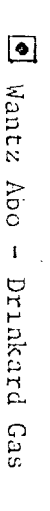
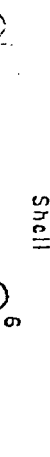
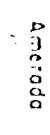
Shell

Mobil

Elliott

Soh

Perkins-Whitaker



PORTION OF THE  
DRINKARD FIELD  
T-22-S; R-37-E  
LEA COUNTY, NEW MEXICO

Scale 1" = 1000'