



Magnolia Petroleum Company

A Socony Mobil Company

P. O. Box 2406
Hobbs, New Mexico

April 6, 1960

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

Attn: Mr. A. L. Porter, Jr., Secretary

Dear Mr. Porter:

I hereby respectfully submit Socony Mobil Oil Company's request to commingle crude production on the Marshall Unit Lease, located in the NW/4 Section 34, T-21S, R-37E, as authorized by the Oil Conservation Commission Rule 303 as amended by Order Number R-1597.

The following exhibits are attached:

- Exhibit I - Plat showing location of all wells on the lease and their respective fields.
- Exhibit II - A schematic diagram of the proposed commingling installation.
- Exhibit III - Detailed data concerning gravities, volumes produced from each pool, and the values thereof for the present and for the proposed commingled crudes.

A copy of this application has been submitted to all royalty owners for approval. Any other pertinent information will be furnished upon request.

Yours very truly,

SOCONY MOBIL OIL COMPANY, INC.

C. H. Samples
C. H. Samples
District Superintendent

JTB/HGO/nrh

PC-7
(waiting period)
due - May 1, 1960

R 37 E

Gulf

Ohio

Humble

Marshall

Hardison

Gulf

Mobil

Humble

J.N. Carson

Mobil

J.N. Carson

Marshall Unit

34 Hardison

Pan Am.

Pan American

Gulf

Mark Owen

Mark Owen

EXHIBIT I

MARSHALL UNIT LEASE
NW 1/4 Sec. 34, T21S-R37E

Lea County

New Mexico

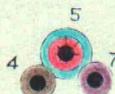
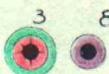
MOBIL OIL CO.

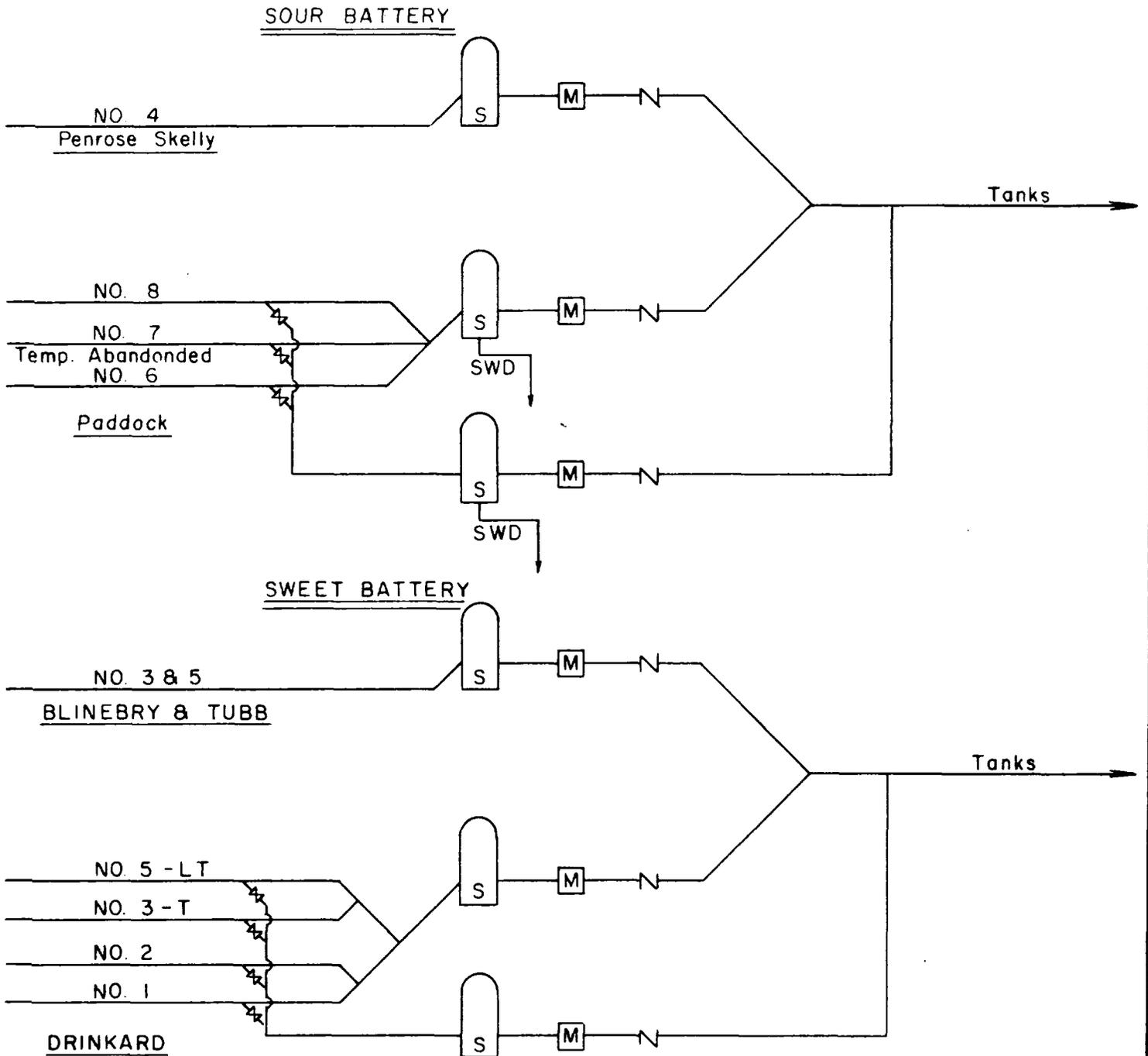
A DIVISION OF SOCONY MOBIL OIL COMPANY INC.
HOBBS, NEW MEXICO

SURVEYED BY	DATE	DRWG. NO.
DRAWN BY C E L	DATE 3-18-60	
SCALE 1" = 500'	FIELD BOOK NO.	



- DRINKARD
- PADDOCK
- PENROSE SKELLY
- BLINEBRY GAS
- TUBB GAS





LEGEND

-  Separator or Heater Treater
-  Metering Device
-  Check Valve

EXHIBIT II

COMMINGLING INSTALLATION
MARSHALL UNIT LEASE

Lea County

New Mexico

MOBIL OIL CO.

A DIVISION OF SOCONY MOBIL OIL COMPANY INC.
HOBBS, NEW MEXICO

SURVEYED BY	DATE	DRWG. NO.
DRAWN BY <i>C E L</i>	DATE <i>3-21-60</i>	
SCALE <i>No</i>	FIELD BOOK NO.	

Exhibit III
 Commingled Fluid Production
 Socony Mobil Oil Company, Inc.
 Marshall Unit Lease
Lea County, New Mexico

<u>Battery</u>	<u>Zone</u>	<u>Pipeline Company</u>	<u>°API Gravity</u>	<u>Daily Prod. Bbls.</u>		<u>Unit Value</u>	<u>Total Value</u>
				<u>Oil</u>	<u>Water</u>		
Sour - Well #4, 6, 7, 8	Penrose Skelly	Shell	33.5°	4	0	\$ 2.74	\$ 10.96
	Paddock	Shell	36.8°	50	2	2.83	<u>141.50</u>
Battery Total							\$152.46
Calculated Commingled Total			36.5°	54	2	2.83	\$152.82
Sweet Well #3C. 1, 2, 3T 5	Blinebry Tubb	Magnolia	58°	7	0	2.86	20.02
	Drinkard	Magnolia	37°	27	0	3.02	<u>81.54</u>
Battery Total							\$101.56
Calculated Commingled Total			41.1°	34	0	3.08	\$104.72

It may be noted that due to commingling the value of crude produced is increased \$0.36 per day for the sour crude battery and is increased \$3.16 per day for the sweet crude battery. This is an increase of \$3.52 daily or a monthly revenue increase of \$109.12 on a 31 day monthly basis.

OIL CONSERVATION COMMISSION

BOX 2045

HOBBS, NEW MEXICO

DATE 4/20/60

OIL CONSERVATION COMMISSION
BOX 871
SANTA FE, NEW MEXICO

Re: Proposed NSP _____

Proposed NSL _____

Proposed NFC _____

Proposed DC _____

PC 7

Gentlemen:

I have examined the application dated _____

for the Socony Mobil Oil Co., Inc. Marshall Unit lease 34-21-37
Operator Lease and Well No. S-T-R

and my recommendations are as follows:

C.K.---E.F.E.

C.K.---J.W.R.

Yours very truly,

OIL CONSERVATION COMMISSION