



## Mobil Oil Company

A Division of Socony Mobil Oil Company, Inc.

P. O. Box 2406  
Hobbs, New Mexico

May 9, 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 C. Hardy Lease, located in the NW/4 Section 29, 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  
District Superintendent

JTB/nrh

*Rec June 2, 1960*

*PC - 10  
(waiting period)*

R 37 E

J.W.Perry

Gulf

Getty Oil Co.

Hardy- Fed.

Hardy

Hardy

Texaco

Mobil Oil Co. 5/8  
General Crude 1/8  
R.R. Penn Est. 1/4

Sunray &  
Mid Continent

2

6

3

5

4

1

T  
21  
S

Henderson

C. Hardy

D. Hardy

Gulf

Sinclair

Ohio

29

H.T. Mattern "B"

W. H. Turner

Hardy

## EXHIBIT I

C. HARDY LEASE  
SEC. 29, T21S, R37E  
LEA CO., NEW MEXICO

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



Paddock



Penrose-Skelly



Blinebry-Tubb



Drinkard

SURVEYED BY J. B.	DATE 4-19-60	DRWG. NO.
DRAWN BY G. E.	DATE 4-29-60	
SCALE 1" = 500'	FIELD BOOK NO.	

### SOUR BATTERY

Well 6 U.T.  
Paddock (Proposed)

Well No.1

Well No.2

Well No.4 U.T. (Proposed)

Penrose Skelly

Tanks

### SWEET BATTERY

Well No.3  
Blinbry-Tubb (Proposed)

Well No.4 L.T.

Well No.5

Well No.6 L.T.

Drinkard

Tanks

### LEGEND



Separator or Heater Treater



Metering Device



Check Valve

## EXHIBIT II

COMMINGLING INSTALLATION  
C. HARDY LEASE  
SEC29,T2IS,R37E  
LEA CO.,NEW MEXICO

**MOBIL OIL CO.**

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

SURVEYED BY J. B.

DATE 4-19-60

DRWG. NO.

DRAWN BY G. E.

DATE 4-29-60

SCALE None

FIELD BOOK NO.

# EXHIBIT III

## Commingled Fluid Production Socony Mobil Oil Company, Inc. C. Hardy 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-wells No. 1, Paddock		Shell	33.5	30	0	2.74	82.20
2, 4UT, 6UT	Penrose Skelly	Shell	36.7	50	12	2.83	141.50
Battery Total							223.70
Calculate Commingled Total			35.5	80	12	2.80	224.00
Sweet-wells No. 3, Blinebry Tubbs		Magnolia	58	8	0	2.79	22.32
4LT, 5, 6LT	Drinkard	Magnolia	37	48	4	2.95	141.60
Battery Total			39.6	56	4	2.99	167.44
Calculated Commingled Total			39.6	56	4	2.99	167.44

It may be noted that due to commingling the value of crude produced is increased \$0.30 per day for the sour crude battery and is increased \$3.52 per day for the sweet crude battery. This is an increase of \$3.82 daily or a monthly revenue increase of \$118.42 on a 31 day monthly basis.

5/2/60  
JTB/nrh

MAIN OFFICE OCC  
1960 MAY 23 AM 11:32

OIL CONSERVATION COMMISSION

BOX 2045

HOBBS, NEW MEXICO

DATE May 20, 1960

OIL CONSERVATION COMMISSION  
BOX 871  
SANTA FE, NEW MEXICO

Re: Proposed NSP \_\_\_\_\_

Proposed NSL \_\_\_\_\_

Proposed NFO \_\_\_\_\_

Proposed DC \_\_\_\_\_

PC 10

Gentlemen:

I have examined the application dated \_\_\_\_\_

for the Socony Mobil Oil Co., Inc. C. Hardy 29-21-37  
Operator Lease and Well No. S-T-R

and my recommendations are as follows:

O.K.---E.F.E.

O.K.---J.W.R.

Yours very truly,

OIL CONSERVATION COMMISSION

