



Mobil Oil Company

A Division of Socony Mobil Oil Company, Inc.
P. O. BOX 1800, HOBBS, NEW MEXICO 88240

June 2, 1964

Mr. A. L. Porter, Jr., Sec-Director
New Mexico Oil Conservation Commission
P. O. Box 2208
Santa Fe, New Mexico

Dear Mr. Porter:

Application is herewith submitted in triplicate to commingle the crude oil production and casinghead gas from the Vacuum Abo North, Vacuum Wolfcamp, Vacuum Upper Pennsylvanian and Vacuum Devonian Pools on Socony Mobil's State "CC" Unit in the Vacuum Field Area. The State "CC" Unit is an 80 acre standard unit composed of Socony Mobil's State "I" Lease, NW/4 of SW/4, and Amerada's State "VB" Lease, NE/4 of SW/4, both in Sec 36, T-17S, R-34E, Lea County, New Mexico. The attached plat, entitled Exhibit I, shows the relative location of this unit in the Vacuum Field.

Authorization for commingling of these zones is requested under terms of Rule 303. Commingling authorization for the same four zones was previously granted by PC-100, October 4, 1962, Socony Mobil State Bridges Lease.

Production from these four zones is presently expected from Socony Mobil No. 1 State "CC" Unit, currently drilling. This well will be the only one possible on this lease. The attached schematic of the tank battery installation entitled Exhibit II, therefore, notes zone metering only, with no provision for test facilities. Since the well has not been completed, the detail calculations of commingled crude volumes and values have been based on current unit allowables and depth factors, shown on attached Exhibit III.

Concurrent with this request, we are submitting a separate request for LACT installation of the subject well.

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

Yours very truly,

E. A. Davis
E. A. Davis
Acting Producing Superintendent

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

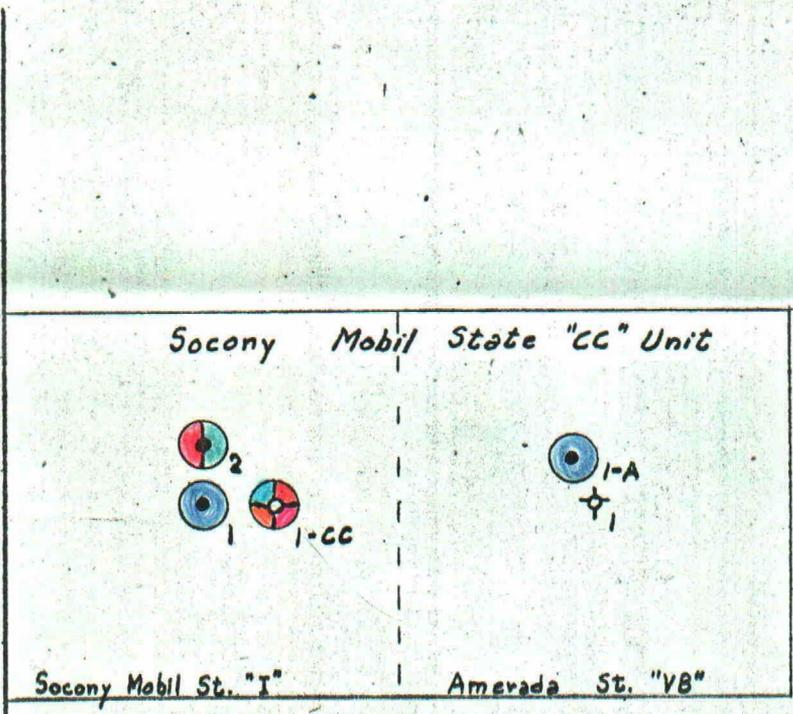


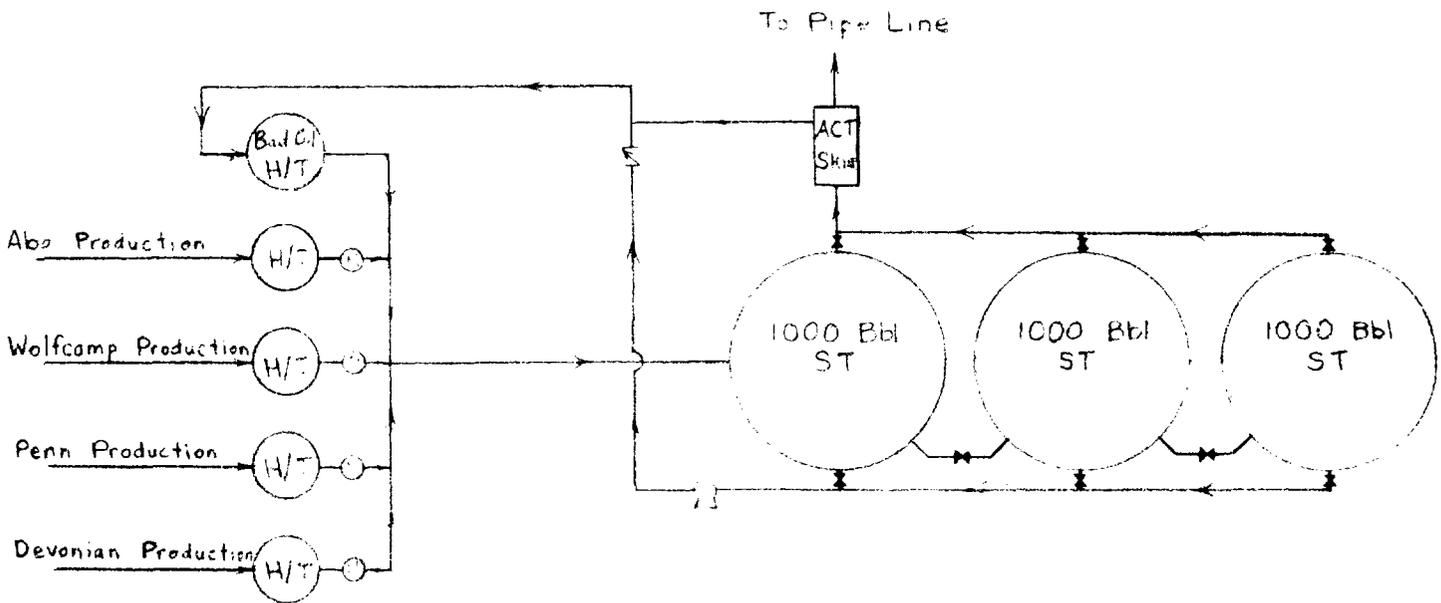
EXHIBIT I

LEGEND

-  Vacuum Pool
-  Vacuum Glorieta Pool
-  Vacuum Blinebry Pool
-  Vacuum Abo, North Pool
-  Vacuum Wolfcamp Pool
-  Vacuum Upper Penn Pool
-  Vacuum Devonian Pool

SOCONY MOBIL STATE "CC" UNIT
 N/2, SW/4, SECTION 36, T-17S, R-34E
 LEA COUNTY, NEW MEXICO

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



Note
This is a one well, multiple zone completion so no test facilities are necessary.

LEGEND

- ST Storage Tank
- WT Heater Treater
- M Meter
- ⊞ Recirculating Pump
- ⊞ Check Valve
- ⊞ Block Valve

NO.	DATE	BY	ALTERATION
FEDERAL OIL LEASING ACT IN THE STATE OF TEXAS STATE OIL LEASE			
SOCONY MOBIL OIL COMPANY, INC. MEMPHIS, TENNESSEE			
DRAWN	J.E.R.	SCALE	DWG. NO. A
CHECKED	J.C.G.	DATE	
		5 1 64	

EXHIBIT III

COMMINGLED FLUID PRODUCTION

SOCONY MOBIL OIL COMPANY, INC.

STATE "CC" UNIT LEASE
 VACUUM FIELD AREA
 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, North	35.7°	5460 (est.)	\$2.93/bbl	\$15,997.80
Vacuum Wolfcamp	41.2°	5460 (est.)	\$3.01/bbl	16,434.60
Vacuum Upper Penn	47.8°	5460 (est.)	\$2.95/bbl	19,116.00
Vacuum Devonian	49.1°	<u>8850 (est.)</u>	\$2.91/bbl	<u>25,753.50</u>
	TOTALS	26,250		\$77,301.90
Vacuum Commingled (cal.)	44.6°	26,250	\$3.01/bbl	\$79,012.50
Difference (value increase calculated)				\$ 1,710.60

NOTE: Top unit allowable of 38 barrels assumed.

JCG/vvd/5-28-64



Mobil Oil Company

A Division of Socony Mobil Oil Company, Inc.

June 23, 1964

Mr. A. L. Porter, Jr., Sec-Director
New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico

RE: REVISION OF COMMINGLING
PROCEDURES REQUESTED FOR
STATE "CC" UNIT, VACUUM
FIELD AREA, LEA COUNTY,
NEW MEXICO

Dear Mr. Porter:

By our original letter, dated June 2, 1964, and by first amendment dated June 9, 1964, we have previously requested your approval of a commingling proposal for our State "CC" Unit in the Vacuum Field Area.

As shown on the attached drawing, submitted as amended, we now propose to separate oil and gas by zone, meter and sample each zone independently, and use heat treatment for water separation after commingling all four possible zones. This drawing is to replace our previously amended drawing, dated May 1, 1964.

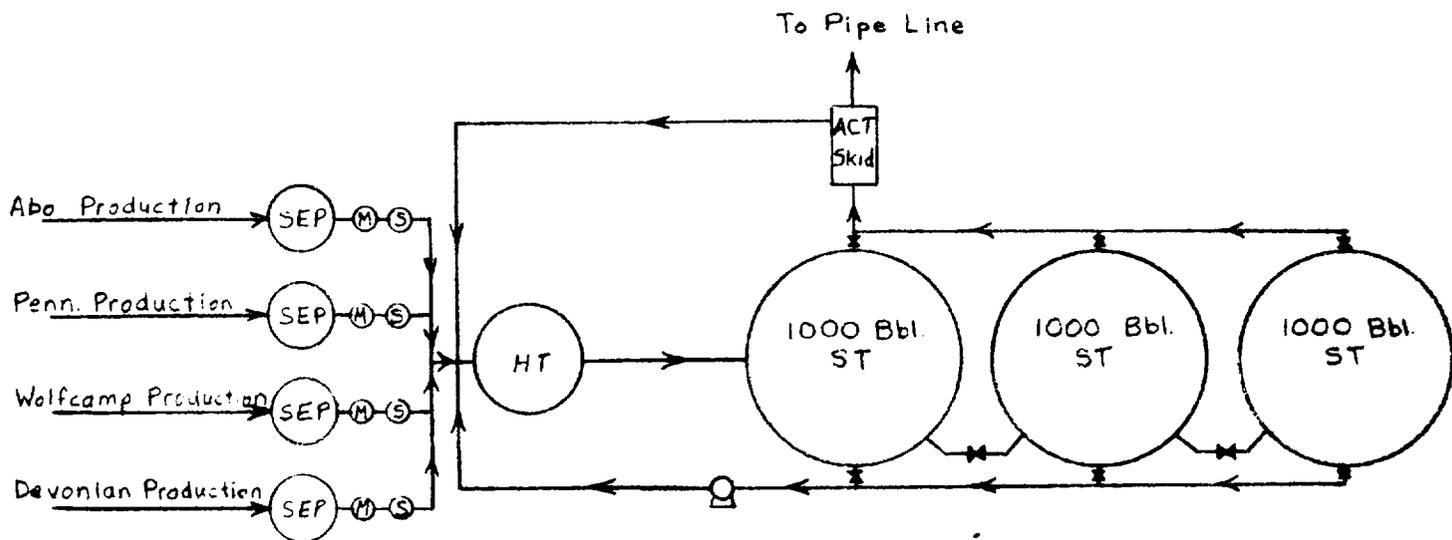
All other data and exhibits are unchanged.

Yours very truly,


Glen W. Barb
Producing Superintendent

Attachments
JCGordon/vvd

cc: A. L. Porter Jr, 2, State Land Office
(w/o attachment)



Note

This is a one well, multiple zone completion, so no test facilities are necessary.

LEGEND

- ⊙ (ST) Storage Tank
- ⊙ (HT) Heater Treater
- ⊙ (M) Meter
- ⊙ (P) Recirculating Pump
- ⊙ (S) Sampler
- ⊙ (V) Block Valve
- ⊙ (SEP) Separator

NO.	DATE	BY	ALTERATION
PROPOSED COMMINGLING INSTALLATION STATE "CC" LEASE			
SOCONY MOBIL OIL COMPANY, INC. HOBBS PRODUCING DISTRICT			
DRAWN	JEG	SCALE	NONE
CHECKED	JCG	DATE	6/19/64
DWG. NO.			A



OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO

P. O. BOX 2088 - SANTA FE

87501

GOVERNOR
DAVID F. CARGO
CHAIRMAN

LAND COMMISSIONER
ALEX J. ARMIJO
MEMBER

STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY - DIRECTOR

December 17, 1970

Mobil Oil Corporation
P. O. Box 633
Midland, Texas 79701

Attention: Mr. Ira B. Stitt

AMENDMENT

Administrative Orders PC-100, PC-175,
PC-216, PC-297, PC-332, and PC-362

Gentlemen:

Reference is made to your recent application for the amendment of certain administrative orders which permitted the commingling of production from various pools at certain tank batteries provided that all production from each pool would be separately metered prior to commingling. It is our understanding that all or part of the production going into each of these commingled tank batteries is now of marginal nature and that you therefore wish to remove certain of the meters.

The following administrative orders are amended as described: Administrative Orders PC-100, PC-175, PC-216, and PC-332 are amended to delete the metering requirement. Administrative Order PC-297 is amended to delete the metering requirement for Abo, Blinbry, Upper Pennsylvanian, and Wolfcamp production, but to continue to meter the Glorieta production separately and determine the total production from the other pools by the subtraction method. Allocation to each well in each pool will be by quarterly well tests. Administrative Order PC-362 is amended to delete the metering requirement on Abo and Middle Pennsylvanian production, but to continue to meter the Upper Pennsylvanian production

-2-

December 17, 1970

Mobil Oil Corporation
P. O. Box 633
Midland, Texas 79701

AMENDMENT

Administrative Orders PC-100, PC-175,
PC-216, PC-297, PC-332, and PC-362

separately and determine the total production from the other pools by the subtraction method. Allocation to each well in each pool will be by quarterly well tests.

Please notify the Commission at such time as any well producing into any of the aforesaid commingled installations is capable of top allowable production.

Very truly yours,


L. PORTER, Jr.
Secretary-Director

ALP/DSN/esr

cc: Oil Conservation Commission (with enclosure) - Hobbs
Oil & Gas Engineering Committee - Hobbs
State Land Office - Santa Fe

Mobil Oil Corporation

P.O. BOX 633
MIDLAND, TEXAS 79701

October 27, 1970

New Mexico Oil Conservation Commission (3)
P. O. Box 2088
Santa Fe, New Mexico 87501

REQUEST FOR AMENDMENT TO
ADMINISTRATIVE ORDER PC-216,
MOBIL OIL CORPORATION'S STATE
"CC" LEASE, NORTH VACUUM ABO,
VACUUM WOLFCAMP, DEVONIAN AND
UPPER PENN FORMATIONS, COMMINGLING
WITHOUT SEPARATE MEASURING,
VACUUM FIELD, LEA COUNTY, NEW MEXICO

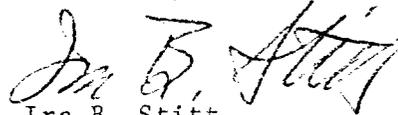
Gentlemen:

Mobil Oil Corporation respectfully requests that Administrative Order PC-216, dated June 25, 1964, be amended so as to permit the commingling of production from the aforementioned pools by determining the production from each well and each pool by well tests conducted periodically as the Commission may prescribe.

As shown on the attached tabulation of production for the months August 1970 and September 1970, the average daily production for this period is considerably below top unit allowable, and the connected wells are now incapable of producing top unit allowable.

The royalty ownership of all commingled zones is identical. Should any further information be required, please advise.

Yours very truly,



Ira B. Stitt
Division Operations Engineer

JHSeerey/gc

Attachments

cc: Commissioner of Public Lands -
State of New Mexico
Supervisor, District 1 - NMOCC

PRODUCTION DATA
 AUGUST 1970 & SEPTEMBER 1970
 STATE "CC" LEASE
 LEA COUNTY, NEW MEXICO
 WELLS CONNECTED
 ORDER PC-216 COMMINGLING PERMIT

<u>Well No.</u>	<u>AVERAGE DAILY OIL PRODUCED</u>	
	<u>August 1970</u> BOPD	<u>September 1970</u> BOPD
<u>North Vacuum Abo</u> 1	56	48
<u>Vacuum Devonian</u> 1	0	0
<u>Vacuum Wolfcamp</u> 1	6	9
<u>Vacuum Upper Penn.</u> 1	Well never completed	

Mobil Oil Corporation

P.O. BOX 633
MIDLAND, TEXAS 79701

October 27, 1970

State of New Mexico
Commissioner of Public Lands
P. O. Box 1148
Santa Fe, New Mexico

Attn: Oil & Gas Department

REQUEST FOR AMENDMENT TO
ADMINISTRATIVE ORDER PC-216,
MOBIL OIL CORPORATION'S STATE
"CC" LEASE, NORTH VACUUM ABO,
VACUUM WOLFCAMP, DEVONIAN AND
UPPER PENN. FORMATIONS, COMMINGLING
WITHOUT SEPARATE MEASURING,
VACUUM FIELD, LEA COUNTY, NEW MEXICO

Gentlemen:

Mobil Oil Corporation respectfully requests that Administrative Order PC-216, dated June 25, 1964, be amended so as to permit the commingling of production from the aforementioned pools by determining the production from each well and each pool by well tests conducted periodically as the Commission may prescribe.

As shown on the attached tabulation of production for the months August 1970 and September 1970, the average daily production for this period is considerably below top unit allowable, and the connected wells are now incapable of producing top unit allowable.

The royalty ownership of all commingled zones is identical. Should any further information be required, please advise.

Yours very truly,



Ira B. Stitt

Division Operations Engineer

JHSeerey/gc
Attachments

cc: New Mexico Oil Conservation Commission

