

Mobil Oil Corporation

P.O. BOX 633
MIDLAND, TEXAS 79701

November 9, 1970

DHC - 74

New Mexico Oil Conservation Commission (2)
P. O. Box 2088
Santa Fe, New Mexico 87501

*No writing,
waivers attached*

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

APPLICATION OF MOBIL OIL CORPORATION
FOR EXCEPTION TO NEW MEXICO OIL
CONSERVATION COMMISSION RULE 303 (a)
AND AUTHORIZING THE DOWNHOLE
COMMINGLING OF THE NORTH VACUUM ABO
ZONE AND THE VACUUM WOLFCAMP ZONE
IN MOBIL'S BRIDGES-STATE WELL NO. 95
LEA COUNTY, NEW MEXICO

Gentlemen:

Mobil Oil Corporation respectfully requests exception to the Commission's Rule 303 (a) and authorization to commingle within the well bore of Mobil's Bridges-State Well No. 95 production from the North Vacuum Abo Zone and Vacuum Wolfcamp Zone. This well is located in Unit P, Section 26, Township 17 South, Range 34 East, N. M. P. M., Lea County, New Mexico. Administrative approval is requested as provided for in Commission's Order No. R-3845.

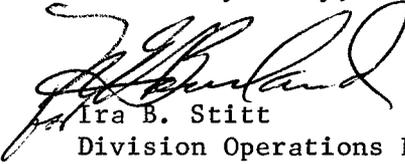
The subject well qualifies for consideration under the order since both zones to be commingled are oil zones requiring artificial lift and the total daily production volumes of oil and water from both zones do not exceed the prescribed limits. The fluids from each zone are compatible with each other as evidenced by the successful surface commingling of the fluids since 1962.

The sale value of the commingled crude will not be any less than the value of the separated fluids. Ownership of both zones to be commingled is common, and the commingling of these two zones will not jeopardize secondary recovery operations.

Attached are Exhibits A - E which will provide the information required by Rule 303-C-2 of Order No. 3845. In accordance with your requirements, this application is submitted in duplicate with one copy to the Hobbs District Office of the commission.

The offset operators have been notified of this request by a copy of this letter and their waiver of objection has been requested.

Yours very truly,

A handwritten signature in dark ink, appearing to read 'Ira B. Stitt', is written over the typed name.

Ira B. Stitt
Division Operations Engineer

JHSeerey/gc

Attachments

cc: NMOCC-Hobbs

Marathon Oil Co. w/Attach.

Getty Oil Co. w/Attach.

Continental Oil Co. w/Attach.

EXHIBIT "A"
DATA SHEET

MOBIL OIL CORPORATION
P. O. BOX 633
MIDLAND, TEXAS 79701

NOV 12 11 18 20

APPLICATION FOR EXCEPTION TO RULE 303(a) OF NEW MEXICO OIL CONSERVATION COMMISSION'S RULES & REGULATIONS ALLOWING DOWNHOLE COMMINGLING OF DUALY COMPLETED OIL WELLS BY ADMINISTRATIVE PROCEDURE (ORDER NO. R-3845)

1. Lease Name Bridges-State
2. Well No. 95
3. Well Location: Unit P, 660 feet from East line, 860 feet from South line of Section 26, Township 17 S Range 34E,
Lea County, New Mexico
4. Upper Zone Vacuum North Abo
5. Completion Interval 9070'-9199'
6. Lower Zone Vacuum Wolfcamp
7. Completion Interval 9518'-9986'
8. Dual Completion Authorized by Commission Order No. R-2372
9. Current Productivity Test Summary (Form C-116 attached)

	<u>Vacuum N. Abo</u> <u>(Upper Zone)</u>	<u>Vacuum Wolfcamp</u> <u>(Lower Zone)</u>
Producing Method	<u>Pump</u>	<u>Pump</u>
Oil	<u>17 BOPD</u>	<u>47 BOPD</u>
Gas	<u>52.6 MCF</u>	<u>243.7 MCF</u>
Water	<u>1 BPD</u>	<u>31 BPD</u>
GOR	<u>309:1</u>	<u>5178:1</u>
GOR Limit	<u>2000:1</u>	<u>2000:1</u>

10. Bottom-hole Pressure of Upper Zone 575 psi (Estimated)
11. Bottom-hole Pressure of Lower Zone 800 psi (Estimated)
12. Fluid Characteristics of Each Zone Both zones produce an intermediate sweet type crude. Expect no problems from the formation of untreatable precipitates in the commingled produced water.

By: J. H. Seerey
Date: 10-27-70

EXHIBIT "B"
 MOBIL OIL CORPORATION
 P. O. BOX 633
 MIDLAND, TEXAS 79701
 COMPUTATION OF RELATIVE
 VALUES OF THE HYDROCARBON
 PRODUCTIVE BEFORE AND
 AFTER DOWNHOLE COMMINGLING
 (STATEWIDE RULE 303-C-2-h)

LEASE AND WELL NUMBER _____

	<u>UPPER POOL</u>	<u>LOWER POOL</u>	<u>COMMINGLED</u>
POOL NAME	<u>Vacuum N. Abo</u>	<u>Vacuum Wolfcamp</u>	
GRAVITY, API	<u>37.5</u>	<u>37.4</u>	<u>37.4</u>
SELLING PRICE /BBL.	<u>\$3.25</u>	<u>\$3.25</u>	<u>\$3.25</u>
DAILY PRODUCTION /BBL.	<u>17</u>	<u>47</u>	<u>64</u>
DAILY INCOME	<u>\$55.25</u>	<u>\$152.75</u>	<u>\$208.00</u>
TOTAL DAILY INCOME (POOLS SEPARATED)	<u>\$ 208.00</u>		

Net difference realized from downhole commingling based on current well test =
0 /day---gain or loss.

REMARKS: Seasonal variations in the crude oil gravities can change the above
calculations, and the yearly difference in the relative average values of the
oil production will be negligible. Actually there will be no real difference
in the value of the production because both pools have been commingled on the
surface since 1962 in accordance with the Commission's Surface Commingling
Permit PC-100

By: J. H. Seerey

DATE: 10-27-70

OIL PRODUCTION, BARRELS/MONTH

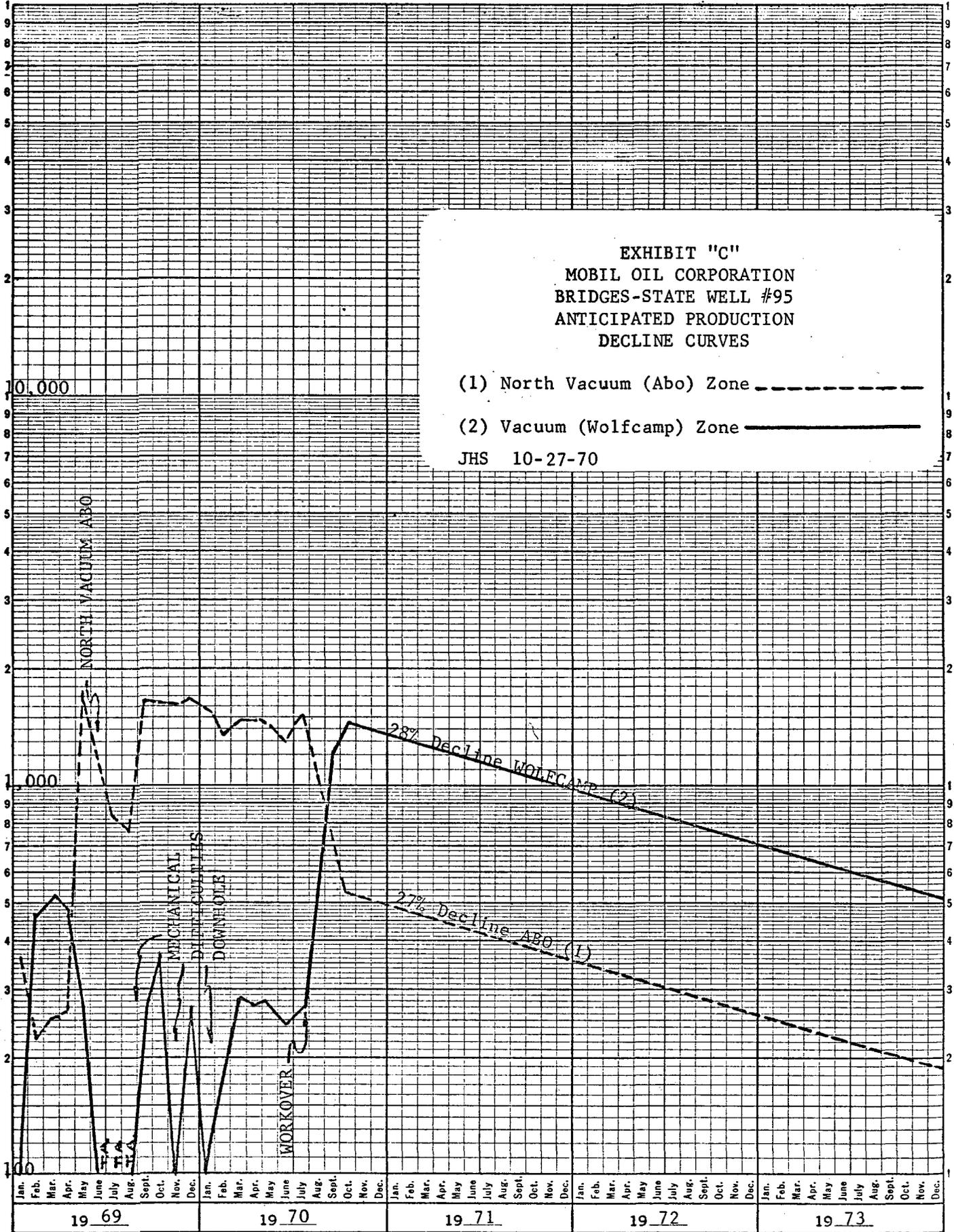


EXHIBIT "D"
NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
 Revised 1-1-65

Operator: **Mobil Oil Corporation** Pool: **Vacuum Wolfcamp** County: **Lea**

Address: **Box 633, Midland, Texas 79701** TYPE OF TEST - (X) Scheduled Special

LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	STATUS	CHOKE SIZE	T.B.G. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT./BBL		
		U	S	T							R	WATER BBL.S.	GRAV. OIL		OIL BBL.S.	GAS M.C.F.
Bridges State	95	P	26	17	34	10-24-70	P	2" T	-	71	24	31	37.4	47	243.4	5,178

No well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

Gas volumes must be reported in MCF measured at a pressure base of 15,025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

I hereby certify that the above information is true and complete to the best of my knowledge and belief.


 Authorized Agent
 (Title)

10-27-70
 (Date)

EXHIBIT "E"
NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
 Revised 1-1-65

Operator: Mobil Oil Corporation Pool: Vacuum Abo, North County: Lea

Address: Box 633, Midland, Texas 79701

LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	STATUS	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT./BBL.		
		U	S	T							R	WATER BBL.S.	GRAV. OIL BBL.S.		GAS M.C.F.	
Bridges State	95	P	26	17	34	10-25-70	P	2" T	-	38	24	1	37.5	17	526	309

TYPE OF TEST - (X) TEST - (X) Scheduled Completion Special

This well will be assigned an allowable greater than the amount of oil produced on the official test.

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

Gas volume must be reported in MCF measured at a pressure base of 15,025 psia and a temperature of 60° F. Specific gravity base will be 0.80.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

I hereby certify that the above information is true and complete to the best of my knowledge and belief.


 (Signature)
 Authorized Agent

10-27-70
 (Date)

Mobil Oil Corporation

P.O. BOX 633
MIDLAND, TEXAS 79701

October 27, 1970

Continental Oil Company
Box 431
Midland, Texas 79701

Attn: Mr. F. T. Elliott, Mgr. Prod.

Gentlemen:

Mobil Oil Corporation is making application to the New Mexico Oil Conservation Commission for administrative approval to commingle downhole the production from the North Vacuum Abo Pool and the Vacuum Wolfcamp Pool in the Bridges-State Well No. 95. Attached is a copy of the application with exhibits.

If you have no objections to this request, please furnish this office with your waiver of objection which will enable the Commission to dispense with the mandatory 20 day waiting period. A self-addressed envelope has been provided so that your waiver can be conveniently returned to this office for inclusion with Mobil's application to the Commission.

Yours very truly,



Ira B. Stitt
Division Operations Engineer

JHSeerey/gc
Attachments

Mobil Oil Corporation

P. O. BOX 633
MIDLAND, TEXAS 79701

October 27, 1970

Marathon Oil Company
Box 552
Midland, Texas 79701

Attn: Mr. D. E. Morris, Dist. Opr. Mgr.

Gentlemen:

Mobil Oil Corporation is making application to the New Mexico Oil Conservation Commission for administrative approval to commingle downhole the production from the North Vacuum Abo Pool and the Vacuum Wolfcamp Pool in the Bridges-State Well No. 95. Attached is a copy of the application with exhibits.

If you have no objections to this request, please furnish this office with your waiver of objection which will enable the Commission to dispense with the mandatory 20 day waiting period. A self-addressed envelope has been provided so that your waiver can be conveniently returned to this office for inclusion with Mobil's application to the Commission.

Yours very truly,



Ira B. Stitt
Division Operations Engineer

JHSeerey/gc
Attachments

Mobil Oil Corporation

P.O. BOX 633
MIDLAND, TEXAS 79701

October 27, 1970

Getty Oil Company
Box 1231
Midland, Texas 79701

Attn: Mr. J. E. Pierce, Dist. Prod. Mgr.

Gentlemen:

Mobil Oil Corporation is making application to the New Mexico Oil Conservation Commission for administrative approval to commingle downhole the production from the North Vacuum Abo Pool and the Vacuum Wolfcamp Pool in the Bridges-State Well No. 95. Attached is a copy of the application with exhibits.

If you have no objections to this request, please furnish this office with your waiver of objection which will enable the Commission to dispense with the mandatory 20 day waiting period. A self-addressed envelope has been provided so that your waiver can be conveniently returned to this office for inclusion with Mobil's application to the Commission.

Yours very truly,



Ira B. Stitt
Division Operations Engineer

JHSeerey/gc
Attachments



CONTINENTAL OIL COMPANY

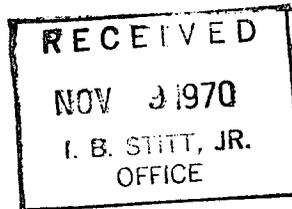
P. O. Box 460
HOBBS, NEW MEXICO 88240

NOV 12 AM 8 24 '70

PRODUCTION DEPARTMENT
HOBBS DIVISION
L. P. THOMPSON
Division Manager
G. C. JAMIESON
Assistant Division Manager

1001 NORTH TURNER
TELEPHONE 393-4141

November 6, 1970



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

Attention Mr. Ira B. Stitt

Gentlemen:

Subject: Mobil Application to Downhole Commingle Production from Abo and Wolfcamp in Bridges-State Well No. 95

Your letter dated October 27, 1970, addressed to Mr. Elliott in our Midland office has been referred to this office for reply since this operation is within the Hobbs Division. Your letter forwarded a copy of your application to the New Mexico Oil Conservation Commission for authority to commingle North Vacuum Abo and Vacuum Wolfcamp oil production in Mobil's Bridges-State well No. 95 located in Unit P, Section 26, T-17S, R-34E, Lea County, New Mexico.

Continental Oil Company waives notice, hearing and the twenty day waiting period for administrative approval of your application.

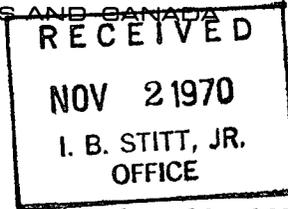
Yours very truly,

VTL-SW



MARATHON OIL COMPANY

PRODUCTION - UNITED STATES AND CANADA



October 30, 1970

P. O. BOX 552
MIDLAND, TEXAS 79701

NOV 12 11 44 AM '70

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

Attention: Mr. A. L. Porter, Jr.

Gentlemen:

Mobil Oil Corporation has furnished us with a copy of its application for an exception to New Mexico Oil Conservation Commission Rule 303 (a) and for authority to downhole commingle the North Vacuum Abo and Vacuum Wolf-camp zones in its Bridges-State Well No. 95, located in Unit P, Section 26, T-17-S, R-34-E, Lea County, New Mexico.

Marathon Oil Company has no objection to the approval of Mobil's application.

Yours very truly,

Roy M. Young
Acting District Operations Manager

RMY:mc

Getty Oil Company

P.O. Box 1231, Midland, Texas 79701

Mid-Continent Division J. E. Pierce, West Texas District Production Manager

November 6, 1970

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

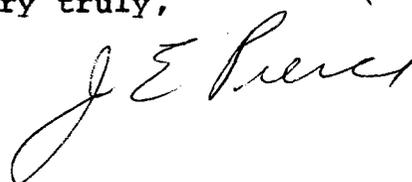
Attention: Mr. A. L. Porter, Jr.

APPLICATION OF MOBIL OIL
CORPORATION FOR EXCEPTION
TO NEW MEXICO OIL CONSERVATION
COMMISSION RULE 303 (a) AND
AUTHORIZING THE DOWNHOLE
COMMINGLING OF THE NORTH VACUUM
ABO ZONE AND THE VACUUM WOLFCAMP
ZONE IN MOBIL'S BRIDGES-STATE
WELL NO. 95, LEA COUNTY,
NEW MEXICO

Gentlemen:

Getty Oil Company has no objection to the above
application by Mobil Oil Corporation.

Yours very truly,



WCS:rt