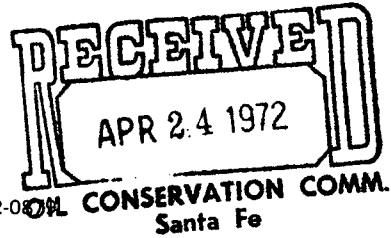




## READING & BATES OFFSHORE DRILLING COMPANY

810 EAST COUNTY ROAD, ROOM 202, ODESSA, TEXAS 79760, PHONE AC/915 332-0801



April 11, 1972

*DHC-110*

*Recd May 14*

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

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

Reference: Application for Downhole Commingling  
Reading & Bates, Inc.  
Mosley No. 1  
Justis Blinebry & Justis Tubb-Drinkard Pools  
Lea County, New Mexico

Gentlemen:

Reading & Bates, Inc. respectfully requests Administrative Approval for downhole commingling in its Mosley No. 1, located 330' FSL & 330' FEL of Section 34, T24S, R37E, Lea County, New Mexico.

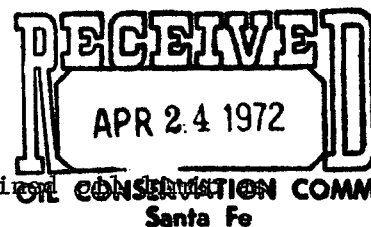
This well qualifies for Administrative Approval in accordance with Statewide Rule 303, Paragraph C; and in support thereof, the following facts are submitted:

1. The attached plat shows the Mosley Lease outlined in red and located in Section 34, T24S, R37E, Lea County, New Mexico. Well No. 1 is marked with a red circle.
2. The well was dually completed in the Justis Blinebry and the Justis Tubb-Drinkard Pools by Kingrea, Pendleton & Reiser, Operator at that time, in September of 1963.
3. Current tests for each zone are as follows:

JUSTIS BLINEBRY: On March 27, 1972, the Blinebry pumped at a rate of 13 BOPD, 6 BWPD, 25 MCFGPD. (Perforations: 5476' to 5703').

JUSTIS TUBB-DRINKARD: Shut in since June, 1967. Last test May 17, 1966, pumped 12 BOPD, 11 BWPD, 22 MCFGPD. (Perforations: 6008' to 6206').

NMOCC Forms C-116 are attached. These producing rates do not exceed the limit set out in Paragraph C, (b) i.e. 40 BOPD.



4. Neither zone produces more water than the combined production determined in Rule 303, Paragraph C, (d).
5. The fluids had been commingled at the surface from completion (Administrative Order PC168) until the Tubb-Drinkard was shut in and had encountered no incompatibility problems; therefore, no reservoir damage will result from downhole commingling these two zones.
6. The surface commingling resulted in no reduction of oil value; therefore, downhole commingling will not reduce the oil value.
7. The ownership of the zones to be commingled is common.
8. Attached is a production decline curve showing the monthly production for each zone since January, 1964.
9. The production from each zone is by pump. The Packer Leakage Tests are enclosed.
10. Downhole commingling will not jeopardize the efficiency of future secondary operations in either zone.
11. Copies of this application have been furnished to offset operators with a request for a Waiver to this application.

History of Mosley No. 1: The well was completed as a two-string tubing Dual in the Justis Blinebry and Tubb-Drinkard Zones during 1963. The Tubb-Drinkard zone was shut in in June of 1967. Our last Packer Leakage Tests confirmed a positive separation between the two zones.

Very truly yours,

READING & BATES, INC.

A handwritten signature in cursive script that reads "Paul G. Farrow".

Paul G. Farrow  
Production Superintendent

PGF/ps  
Encs.

1 cc: New Mexico Oil Conservation Commission  
P. O. Box 1980, Hobbs, New Mexico 88240

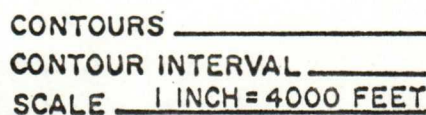
Mobil Oil Company, P. O. Box 633, Midland, Texas 79701  
Parker Drilling Company, 518 National Bank of Tulsa Building,  
Tulsa, Oklahoma 74100

Tenneco Oil Company, Box 1031, Midland, Texas 79701  
Texaco, Inc., Box 728, Hobbs, New Mexico 88240

Amerada Division-Amerada Hess Corporation, Drawer 817, Seminole, Texas 79360  
Reading & Bates, Inc., Tulsa, Oklahoma

R 37 E

R 38 E



READING & BATES OFFSHORE DRILLING COMPANY  
MOSLEY LEASE PROSPECT  
LEA COUNTY, NEW MEXICO

C-116  
Revised 1-1-65

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.

*Paul S. Harner*  
(Signature)

Production Superintendent

April 11, 1972

(Date)

C-116  
Revised 1-1-65

*C. R. Turner*  
(Signature)  
Petroleum Engineer  
(Title)  
May 27, 1966



ase - Justice Tubb Drivard Field

Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
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Bbls/Mo.

Mosley Lease



MADE 10 YEARS BY MONTHS 47 6743  
MADE IN U.S.A.  
KEUFFEL & ESSER CO.

Bb/Me

Mosley lease - Justice Blimbry Field





NM MEXICO OIL CONSERVATION COMMISSION  
SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator Inc. Reading & Bates, <del>Business Building Company</del>				Lease Mosley		Well No. 1	
Location of Well	Unit P	Sec 34	Twp 24-S	Rge 37-E	County Lea		
Name of Reservoir or Pool			Type of Prod (Oil or Gas)	Method of Prod Flow, Art Lift	Prod. Medium (Tbg or Csg)	Choke Size	
Upper Compl	Justis Blinebry		Oil	Pumping	Tubing	None	
Lower Compl	Tubb Drinkard		Oil	Flow	Tubing	Atmosphere	

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 08:00, 5-20-71

Well opened at (hour, date):	12:00 Noon, 5-21-71	Upper Completion	Lower Completion
Indicate by ( X ) the zone producing.....		X	
Pressure at beginning of test.....		145	60
Stabilized? (Yes or No).....		Yes	Yes
Maximum pressure during test.....		160	60
Minimum pressure during test.....		15	60
Pressure at conclusion of test.....		15	60
Pressure change during test (Maximum minus Minimum).....		-130	+ 0
Was pressure change an increase or a decrease?.....		Increase	No change
Well closed at (hour, date):	12:00 Noon, 5-22-71	Total Time On Production	24 hours
Oil Production		Gas Production	
During Test: 18 bbls; Grav. 36		During Test 35.2 MCF; GOR	1991
Remarks			

FLOW TEST NO. 2

Well opened at (hour, date):	13:00, 5-23-71	Upper Completion	Lower Completion
Indicate by ( X ) the zone producing.....			X
Pressure at beginning of test.....		150	60
Stabilized? (Yes or No).....		Yes	Yes
Maximum pressure during test.....		170	60
Minimum pressure during test.....		150	0
Pressure at conclusion of test.....		170	0
Pressure change during test (Maximum minus Minimum).....		20	60
Was pressure change an increase or a decrease?.....		Increase	Decrease
Well closed at (hour, date)	13:00, 5-24-71	Total time on Production	24 hours
Oil Production		Gas Production	
During Test: None bbls; Grav. - -		During Test Nil MCF; GOR	- -
Remarks Lower completion was opened to atmosphere and remained open for 24 hours			

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

Approved \_\_\_\_\_ 19\_\_\_\_\_  
New Mexico Oil Conservation Commission

By \_\_\_\_\_  
Title \_\_\_\_\_

Operator John Karsanaka  
By Richard D. Brown  
Title Mgr  
Date 5-25-71

NEW MEXICO OIL CONSERVATION COMMISSION  
SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator Reading & Bates Offshore Drilling Co.			Lease Mosley			Well No. 1		
Location of Well		Unit P	Sec 34	Twp 24-S	Rge 37-E	County Lea		
Name of Reservoir or Pool				Type of Prod (Oil or Gas)	Method of Prod Flow, Art Lift	Prod. Medium (Tbg or Csg)		Choke Size
Upper Compl Justis Blinbry				Oil	Pumping	Tubing		3/4
Lower Compl Justis Tubb Drinkard				Oil	Pumping	Tubing		3/4

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 4:00 P.M. 5-16-66

Well opened at (hour, date): 3:30 P.M. 5-17-66	Upper Completion	Lower Completion
Indicate by ( X ) the zone producing.....		X
Pressure at beginning of test.....	25	400
Stabilized? (Yes or No).....	Yes	Yes
Maximum pressure during test.....	25	25
Minimum pressure during test.....	25	10
Pressure at conclusion of test.....	25	25
Pressure change during test (Maximum minus Minimum).....	-	- 15
Was pressure change an increase or a decrease?.....	None	Dec.
Well closed at (hour, date): 1:00 P.M. 5-18-66	Total Time On Production 22 1/2	
Oil Production During Test: 11 bbls; Grav. 36.0	Gas Production During Test: 20.6	MCF; GOR 1873

Remarks

FLOW TEST NO. 2

Well opened at (hour, date): 6:30 A.M. 5-19-66	Upper Completion	Lower Completion
Indicate by ( X ) the zone producing.....	X	
Pressure at beginning of test.....	20	350
Stabilized? (Yes or No).....	Yes	Yes
Maximum pressure during test.....	40	350
Minimum pressure during test.....	40	350
Pressure at conclusion of test.....	40	360
Pressure change during test (Maximum minus Minimum).....	None	+ 10
Was pressure change an increase or a decrease?.....		Increase
Well closed at (hour, date): 1:00 P.M. 5-19-66	Total time on Production 7 1/2	
Oil Production During Test: 16 bbls; Grav. 39.6	Gas Production During Test: 18.5	MCF; GOR 1156

Remarks

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

Approved JUN 4 1966 19 Operator Reading & Bates Offshore Drilling Co.  
New Mexico Oil Conservation Commission By C. Allen Dorsey  
By \_\_\_\_\_ Title Agent  
Title \_\_\_\_\_ Date 5-24-66



## READING & BATES OFFSHORE DRILLING COMPANY

810 EAST COUNTY ROAD, ROOM 202, ODESSA, TEXAS 79760, PHONE AC/915 332-0879

April 11, 1972

TO: All Offset Operators

Mobil Oil Company, P. O. Box 633, Midland, Texas 79701  
Parker Drilling Company, 518 National Bank of Tulsa Building, Tulsa, Okla., 74100  
Tenneco Oil Company, Box 1031, Midland, Texas 79701  
Texaco, Inc., Box 728, Hobbs, New Mexico 88240  
Amerada Division-Amerada Hess Corporation, Drawer 817, Seminole, Texas 79360

Reference: Application for Downhole Commingling  
Reading & Bates, Inc.  
Mosley No. 1  
Justis Blinebry & Justis Tubb-Drinkard Pools  
Lea County, New Mexico

Gentlemen:

For your information we are attaching the following:

1. Copy of letter to Oil Conservation Commission requesting permission to downhole commingle.
2. Plat showing location of well circled in red.
3. Two copies of waivers to our application for downhole commingling.

If you have no objection to this downhole commingling, we would appreciate it if you would sign one copy of the waiver and return to us in the enclosed self-addressed envelope. The other copy of the waiver is for your file.

Yours very truly,

READING & BATES, INC.

  
Paul G. Farrow  
Production Superintendent

PGF/ps

Atts.

10  
Oil Conservation Commission  
State of New Mexico  
P. O. Box 2088  
Santa Fe, New Mexico 87501

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

Reference: Application for Downhole Commingling  
Reading & Bates, Inc.  
Mosley No. 1  
Justis Blinebry & Justis Tubb-Drinkard Pools  
Lea County, New Mexico

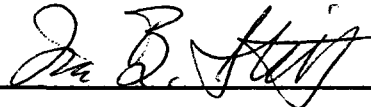
"WAIVER"

Reading & Bates, Inc. is requesting permission to downhole commingle the oil from the Justis Blinebry and the Justis Tubb-Drinkard Pools in its Mosley No. 1 Well located in Section 34, 330' FSL & 330' FEL, T24S, R37E, Lea County, New Mexico.

As an offset operator we hereby waive objection to Reading & Bates, Inc. Application for downhole commingling of these two zones.

MOBIL OIL CORPORATION

By



Date

4-13-72

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

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

Reference: Application for Downhole Commingling  
Reading & Bates, Inc.  
Mosley No. 1  
Justis Blinebry & Justis Tubb-Drinkard Pools  
Lea County, New Mexico

"WAIVER"

Reading & Bates, Inc. is requesting permission to downhole commingle the oil from the Justis Blinebry and the Justis Tubb-Drinkard Pools in its Mosley No. 1 Well located in Section 34, 330' FSL & 330' FEL, T24S, R37E, Lea County, New Mexico.

As an offset operator we hereby waive objection to Reading & Bates, Inc. Application for downhole commingling of these two zones.

ROBERT L. PARKER TRUST

By

  
H. E. Cobb, Jr., Agent

Date April 18, 1972