

g & Bates offshore orilling company 810 EAST COUNTY ROAD, ROOM 202, ODESSA, TEXAS 79760, PHONE AC/915 332-000 CONSERVATION COMM.

April 11, 1972

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

DHC-110 Neve May 14

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.
- The well was dually completed in the Justis Blinebry and the Justis 2. 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.

NMOCC - Santa Fe, N. M. Mosley Downhole Commingling, 4-11-72

Page No. 2

- 4. Neither zone produces more water than the combined construction COMM. 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.

O.G. Barrow

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

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READING & BATES OFFSHORE DRILLING COMPANY MOSLEY LEASE PROSPECT

LEA COUNTY, NEW MEXICO

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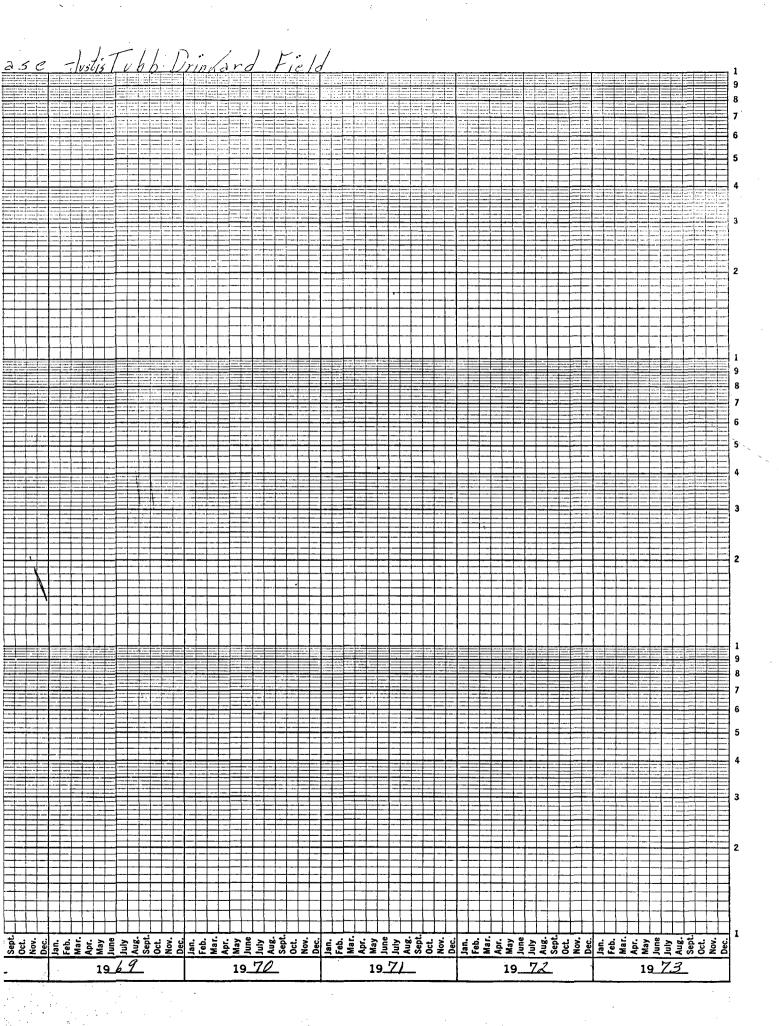
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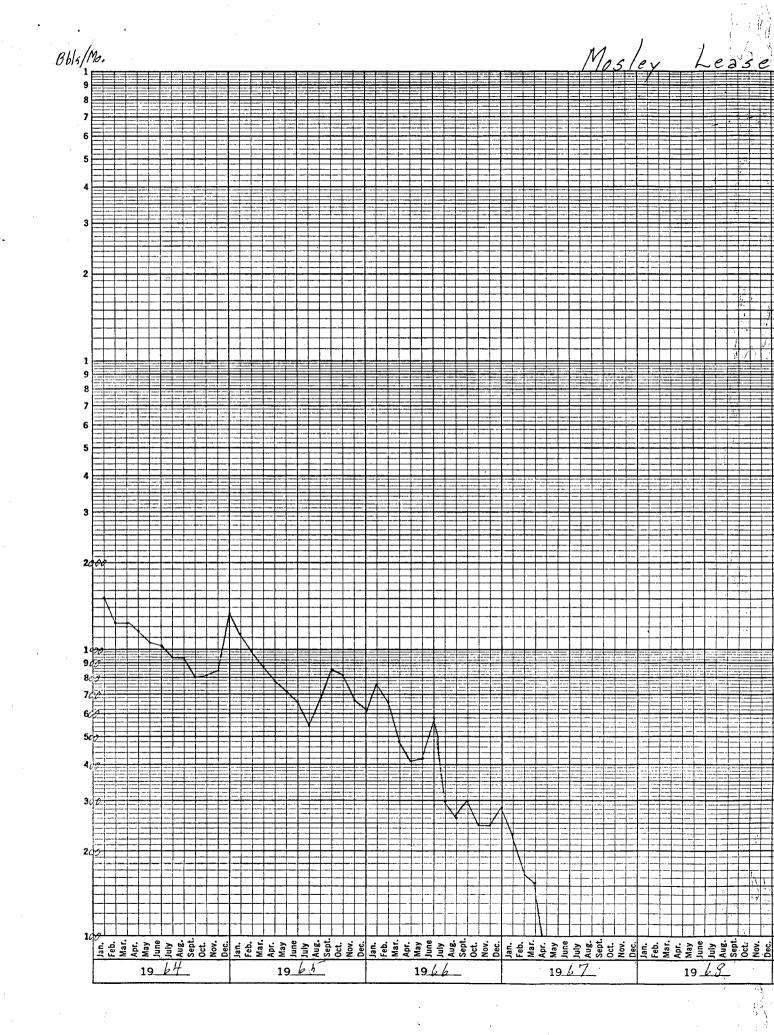
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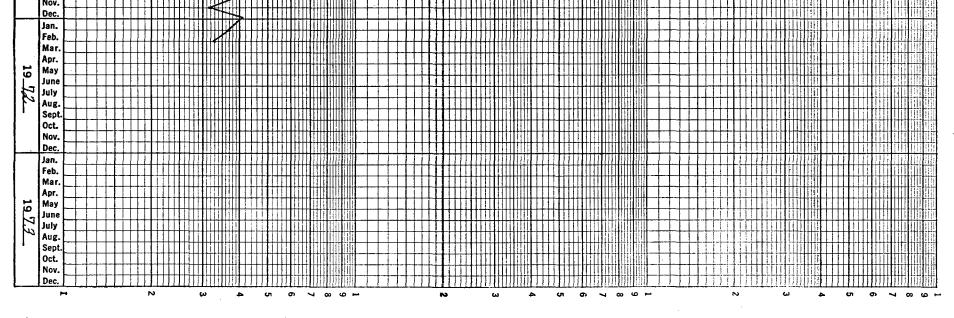
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This form is <u>not</u> to 'he used for reporting packer leakage tests in Northwest New Mexico

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NFT MEXICO OIL CONGERVATION COMMISSION

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator Inc.		Lease			W	e11	<u></u>
Reading & Bates, thisicous brickkin	azxebranany		Mosley		N	0.	1
Location Unit Sec of Well P 34	Twp	24 - S	Rge 3	7-е	County	.ea	
Name of Reservoir or Pool	Type of H (Oil or C		nod of Prod w. Art Lift		Medium or Csg)	Cr	oke Size
Upper Compl Justis Blinebry	Oil		Pumping		oing		None
Lower Compl Tubb Drinkard	011	F	low	Tut	oing	At	mosphere
	FLOW	TEST NO.	1	•		×	
Both zones shut-in at (hour, date):	08:00,	5-20-71					
Well opened at (hour, date):	12:00 N	oon, 5-21-	71	C	Upper ompletion	C	Lower Completior
Indicate by (X) the zone producin	g	••••••		•••••	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		<u> 60</u>
Pressure at conclusion of test		••••	• • • • • • • • • • •	••••••	15		60
Pressure change during test (Maximu	m minus Mini)	• • • • • • • • • • •	••••••	-130	-	+ 0
Was pressure change an increase or	a decrease?.				Increase	-	No change
Well closed at (hour, date): 12:00 h	Noon, 5-22-7	1	Product		24 hours		••••
Oil Production During Test: 18 bbls; Grav.		Production		MCF	GOR	19	91
Remarks			· ·				

FLOW TEST NO. 2	Upper	Lower
Well opened at (hour, date): 13:00, 5-23-71	Completion	
Indicate by (X) the zone producing		X
Pressure at beginning of test		60
Stabilized? (Yes or No)	Yes	Yes
Maximum pressure during test		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 hour	<u>s</u>
Oil ProductionGas ProductionDuring Test:None bbls; Grav;During Test:NilMCF;	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 complet knowledge.		

Approved 19 New Mexico Dil Conservation²Commission By 1.24 л, Title

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This form is <u>not</u> to be used for reporting packer leakage tests in Northwest New Mexico

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NE EXICO OIL CONSERVATION COMMISS

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operato	r Reading & Bate	es Offshore Dril	ling Co.	Lease	Mosley		We	11 • 1
Locatio	on Unit	Sec 34	Twp 24-S	L	Rge 37-E		County	
	Name of Res	servoir or Pool	Type of H (Oil or (thod of Prod ow, Art Lift	1 .	Medium or Csg)	Choke Size
Upper Compl	Justis Bline	bry	011		Pumping	Tubin	3	3/4
Lower Compl	Justis Tubb	Driakerd	011	· · · ·	Pumping	Tubin	3	3/4
	•		FLOW	TEST NO.	l	·	 	
Both zo	ones shut-in a	t (hour, date):	4:00 P.	M. 5-16	-66			
Well or	ened at (hour	, date):	3:30 P.M. 5.	-17-66	: 	Co	Upper ompletion	Lower Completion
Indicat	e by (X) th	ne zone producin	g	•	•••••	•••••		X
Pressur	e at beginnin	ng of test		••••		•••••	25	<u></u>
Stabili	zed? (Yes or	No)	• • • • • • • • • • • •			•••••	Yes	
Maximun	n pressure dur	ing test	• • • • • • • • • • • •				25	_25
Minimun	n pressure dur	ing test	•••••		• • • • • • • • • • • • •	•••••	25	
Pressur	e at conclusi	Lon of test				•••••	25	_25
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Well or	pened at (hour	•, date): <u>6</u> :	FLOW 1 30 A.M. 5-19	rest no. -66	2	Cc	Uppe r mpletion	Lowe r Completion

Well opened at (hour, date): 0:30 A.M. 5-19-56	1	Completion	Completion
Indicate by (X) the zone producing		<u>X</u>	
Pressure at beginning of test	•••••	20	350
Stabilized? (Yes or No)	•••••	. <u>Yes</u>	Yes
Maximum pressure during test	•••••	. 40	350
Minimum pressure during test	•••••		350
Pressure at conclusion of test		40	_360
Pressure change during test (Maximum minus Minimum	ı)	•_ None	<u>≠ 10</u>
Was pressure change an increase or a decrease? Well closed at (hour, date) 1:00 P.M. 5-19-66	Total time on Production		
Oil Production Gas Pro During Test: <u>16</u> bbls; Grav. <u>39.6</u> ;During	duction Test <u>18,5</u> MCF	'; GOR56	
Remarks			· · · ·
I hereby certify that the information herein conta knowledge.			
Approved 19 1966 New Mexico Oil Gonservation Commission	Operator <u>Reading & Pa</u> By <u>C. Allen Dorse</u>	<u>tes Officiere :</u> S.C. Allén	<u>percen</u> <u>Missing</u>
By	TitleAgent		
Title			

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Date

5-2k-66



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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.

Acres.

Paul G. Farrow Production Superintendent

PGF/ps

Atts.

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 4-13-72 Date

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

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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 Cobb, Jr., Agent Ε. Date April 18. 1972