## MERIDIAN OIL

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September 7, 1994

NEP - 9 1994

New Mexico Oil Conservation Division Attn.: Mr. Ernie Bush & Mr. Frank Chavez 1000 Rio Brazos Road Aztec, New Mexico 87410

OIL COM, DIV. DIST. 3

RE: Sharp # 1

Unit D, Section 18, T28N, R08W San Juan County, New Mexico Administrative Order DHC-1024

Please reference the attached Administrative Order DHC-1024 regarding the downhole commingle of production from the Blanco-Mesaverde and Undesignated Otero-Chacra pools in the Sharp # 1 wellbore. This letter submittal includes the final production allocation for this wellbore.

# Approval is requested of the following allocation:

Blanco Mesaverde Pool: Oil 100 % Gas 78 % Undesignated Otero-Chacra Pool: Oil 0 % Gas 22 %

The sidetrack and completion operation was completed on August 17, 1994. The Chacra interval had a production gauge of 370 MCFD, while the entire well had a production gauge of 1,644 MCFD. Since no oil production is anticipated from the Chacra interval, and the recorded gauges are similar to other area completions, this allocation should be accurate within engineering reason. Included is a copy of the recent deliverability test performed August 25, 1994. The 7-day shut-in surface casing pressure was 632 psi.

Thomas E. Mullins Production Engineer

TEM

attachments

cc: Peggy Bradfield

Accounting LLB

Well File

TDS

#### OIL CONSERVATION DIVISION P.O. BOX 2088 SANTA FE, NEW MEXICO 87501

DECEIVED

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

OIL COMPONIV.
DIST. 3

#### MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

erator								Lease or Unit Name						
	feridian Oil, Ind	s					T 5	SHARP		Well No.				
/pe Test    X Initial   Annual   Special						<b>Test Date</b> 08-25-94			well No.					
		Total Depth		TVD F	Plug Back TD		<u> </u>	Elevation		Unit Letter -	Sec	TWN -	RNG	
ompletion Date 3-18-94		rotal Deptit	4,810		MD				5,774	D-18-028N-008W				
sg. Size	Wt.	d	Set At	Perforations:						County				
4.500	1	4.052	4.840	From	3,137		То	3,276		SAN JUAN				
4.500 bg. Size	11 Wt.	d 4.032	Set At	Perforations:			_			Pool				
			. 755	· <b>-</b>			То			OTERO / BLANC	00			
2.375 4.7 1.995 4.755  ype Well - Single - Bradenhead - G.G. or G.O. Multiple				From 10 Packer Set At						Formation			_	
OMMINGLED									CHACRA / MESAVERDE					
rod Thru Resv Temp *F Mean Ann T *F				Baro. Press. Pd 12.20						Connection				
ubing	<del>                                     </del>	Ga	% CO2	% N2 % H2S			Prover		Meter Run		Taps			
	H	<b>Gg</b> 0.700	0.000	0.000										
	<u> </u>		LOW DATA	<u> </u>		<u> </u>	<del>                                     </del>	TUBING DA	NTA	CASIN	3 DATA	Dur	ration	
	Prover		Orfice	Press.	Diff.	Temp.	Pre	 SS.	Temp.	Press.	Temp.	1	of	
NO.	Line	x	Size	p.s.i.g.	hw	F*	p.s.	i.g.	F*	p.s.i.g.	F*	F	low	
SI	Size 2		0.750					380		632			S.I.	
1.							<del> </del>	179	60	557		-	Hour Hours	
2.							<u> </u>	170	60	540 525		_	Hours	
3.				<b></b>		<del> </del>	<del> </del>	165	60	323		+ '	10010	
4.				<del> </del>		+	<del>                                     </del>		<u> </u>			<b>†</b>		
5.				RA	TE OF FLOV	N CALCULAT	IONS							
	Coefficient Pro			essure Flow Temp.		Gravity		Super		Rate o				
NO.	(24 Hour)	<del></del>	1	Pm	F	Factor		Factor		Compress.		Q, N	Acfd	
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2.					<b> </b>		+				·			
3	ļ				<del>                                     </del>				-					
4. 5.											<u> </u>	<del></del>		
NO.	Pr	Temp. *	R Tr	z		Hydrocarbo					Mcf/bl Deg.	bl.		
					API Gravity of Liquid Hy Specific Gravity Separat		drocarbons		xxx		XXXXXXXXXXXXXXXX			
1.					Specific Gravity Flowing		g Fluid	Fluid		XXXXXX				
2. 3.	<del> </del>				Critical Pre					P.S.I.A		P.S.I./	A	
4.	<del></del>	_+			Critical Tel	mperature				R	L	R		
5.														
Pc	644.20	P	c2 414.993.64		7									
NO.	Pt2	Pw	Pw2	Pc2 - Pw2		1) Pc2	=	3.2829		(2) Pc2 Pw2	]n =	2	.4389	
1.		537.	20 288,583.84	1 126,409.80	」 `	Pc2 - Pv	v2		_	Pc2 - Pw2		_		
2.						г	٦			L				
3.						Pc2 - Po		5 682 N	2					
4.			_+	+	- AUF =	Pc2 - Pc	<u>-</u> " -	3,002.0	<b>-</b> -					
5.					_									
Absolute Open Flow 5,682				32 Mcfd @ 15.025			Angle of Slope				Slope,	·	0.75	
Absolute	Open Flow											_		
Remarks	:					<u> </u>								
										Chashe 4 Par				
Approved	d By Division		Conducted i	1			ed By: TANYA ATCITTY			Checked By:	LARY BY	LARY BYARS		
				JOE GOLDI	NG		IANTA	ATOIT I						

#### STATE OF NEW MEXICO



#### ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING GOVERNOR ANITA LOCKWOOD CABINET SECRETARY POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87504 (505) 827-5800

### ADMINISTRATIVE ORDER DHC-1024

OH COM. DIV.

Meridian Oil, Inc. P.O. Box 4289 Farmington, NM 87499-4289

Attention: Travis D. Stice

Sharp Well No. 1

Unit D, Section 18, Township 28 North, Range 8 West, NMPM,

San Juan County, New Mexico.

Blanco-Mesaverde and Undesignated Otero-Chacra Pools

Dear Mr. Stice:

Reference is made to your recent application for an exception to Rule 303-A of the Division Rules and Regulations to permit the subject well to commingle production from both pools in the wellbore.

It appearing that the subject well qualifies for approval for such exception pursuant to the provisions of Rule 303-C, and that reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion and required separation of the two zones is hereby placed in abeyance.

In accordance with the provisions of Rule 303-C-4., total commingled oil production from the subject well shall not exceed 20 barrels per day, and total water production shall not exceed 40 barrels per day. The maximum amount of gas which may be produced daily from the well shall be determined by Division Rules and Regulations or by the gas allowable for each respective prorated pool as printed in the Division's San Juan Basin Gas Proration Schedule.

In accordance with the provisions of Rule 303-C, the supervisor of the Aztec District Office of the Oil Conservation Division shall determine the proper allocation of production from the subject well following its completion.

Administrative Order DHC-1024 Meridian Oil, Inc. August 2, 1994 Page 2

FURTHER: The operator shall notify the Aztec District Office of the Division upon implementation of the commingling process.

Pursuant to Rule 303-C-5, the commingling authority granted by the order may be rescinded by the Division Director if, in his opinion, conservation is not being best served by such commingling.

Approved at Santa Fe, New Mexico on this 2nd day of August, 1994.

STATE OF NEW MEXICO

OIL CONSERVATION DIVISION

WILLIAM J. LEMAY

Director

SEAL

WJL/DRC/amg

cc: Oil Conservation Division - Aztec

US Bureau of Land Management - Farmington