STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL CONSERVA

TION DIVISION

BRUCE KING GOVERNOR

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87504 (505) 827-5800

ANITA LOCKWOOD CABINET SECRETARY

ADMINISTRATIVE ORDER DHC-1006

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

Attention: John D. Clayton

Brown Well No. 200

Unit N. Section 31, Township 29 North, Range 4 West, NMPM,

Rio Arriba County, New Mexico.

Basin-Fruitland Coal and Undesiganted Gobernador-Pictured Cliffs Pools

Dear Mr. Clayton:

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.

Assignment of allowable to the well and allocation of production from the well shall be in accordance with the allocation formula shown on Exhibit "A", attached hereto and made a part hereof. Any condensate production will be allocated entirely to the Undesiganted Gobernador-Pictured Cliffs interval.

The operator is responsible for reporting the monthly gas production from the subject well to the Division utilizing the allocation formula adopted herein. An annual report shall be submitted by the operator to both the Aztec and Santa Fe offices of the Division showing the complete computations for the previous twelve-month period.

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 authorize granted by the order may be rescinded by the Division Director if, in his opinion, constition is not be a best served by such commingling.

Approved at Santa Fe, New Mexico on this 25th day of May, 1994.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

~ V-1-

WILLIAM J. LEMAY

Director

SEAL

WJL/DRC/amg

cc: Oil Conservation Division - Aztec

U.S. Bureau of Land Management - Farmington

MONTHLY GAS PRODUCTION ALLOCATION FORMULA

GENERAL EQUATION

Qt = Qftc + Qpc

WHERE: Qt = TOTAL MONTHLY PRODUCTION (MCF/MONTH)

Qftc = FRUITLAND COAL (FTC) MONTHLY PRODUCTION

Qpc = PICTURED CLIFFS (PC) MONTHLY PRODUCTION (MCF/MONTH)

REARRANGING THE EQUATION TO SOLVE FOR Qftc:

Qftc = Qt - Qpc

ANY PRODUCTION RATE OVER WHAT IS CALCULATED FOR THE PICTURED CLIFFS (PC) USING THE APPLIED FORMULA IS FRUITLAND COAL (FTC) PRODUCTION.

PICTURED CLIFFS (PC) FORMATION PRODUCTION FORMULA IS:

 $Qpc = Qpci * e^{-(Dpc)*(t)}$

WHERE: Qpci = INITIAL PC MONTHLY FLOW RATE (CALCULATED FROM FLOW TEST)

Dpc = PICTURED CLIFFS MONTHLY DECLINE RATE CALCULATED FROM:

Dpc = (Qpci-Qpcabd)/Np(pc)

See Determination of Qpci and PC Estimated Ultimate Recovery (EUR)

Qpcabd = 300 MCF/M

WHERE: Np(pc) = PICTURED CLIFFS ESTIMATED ULTIMATE RECOVERY (EUR)

P*x 1.16 MMCF/PSI** x Rf

P* = INITIAL RESERVOIR PRESSURE (7 DAY SIBHP)

RF = RECOVERY (FIELD ANALOGY): = 0.95

** DETERMINED FROM MATERIAL BALANCE (FIELD ANALOGY) AND

VOLUMETRIC RESERVES (LOG ANALYSIS)

By calculating PC EUR FROM SIBHP and determining PC initial flow rate, Dpc can then be estimated utilizing the previously described parameters

THUS: Qftc = Qt - Qpci * $e^{-(Dpc)}(t)$

WHERE: (t) IS IN MONTHS

REFERENCE: Thompson, R. S., and Wright, J. D., "Oil Property Evaluation", pages 5-2, 5-3, 5-4.

Ernie Busch

From:

Ernie Busch

To:

David Catanach

Subject:

MERIDIAN OIL INC. (DHC)

Date:

Tuesday, May 17, 1994 8:54AM

Priority:

WELL NAME & NO. BROWN #200 LOCATION

N-31-29N-04W

RECOMMEND

APPROVAL

Control Number: 005901

POINT OF DISPOSITION AND WELL COMPLETION INFORMATION

REVISION

043A	C 11 31N 07W 043A	J 30-045-23090 (NORTHEAST BLANCO UNIT	002117 NORTHEA	72319 BLANCO MESAVERDE (PRORATED GAS)
Well	Location	API Well No.	Producing Property Name	Code Produci	Code Pool Name
			WELL COMPLETIONS	_	
				s):	Description of POD (40 characters or less):
		SAN JUAN	Location: C 11 31N 07W County SAN JUAN	lity Type: 05	POD: 0599050 Product Type: WATER Facility Type: 05
				(9):	Description of POD (40 characters or less):
			d Seevices	11, Ams Fie	Authorized Transporter(s): 076191 NORTHWEST PIPELINE CORP. 025244 Williams Field Seevices
		THE COLUMN	OGRID Name		OGRID Name
-		SAN JUAN	Location: C 11 31N 07W County SAN JUAN	Facility Type: 01	POD: 0599030 Product Type: GAS Fac
				\$\$): 	Description of POD (40 characters or less):
				REFINERY	Authorized Transporter(s): 009018 GIANT REFINERY
		ane	OGRID Name		OGRID Name
		Y SAN JUAN	Location: C 11 31N 07W County SAN JUAN	Facility Type: 03	POD: 0599010 Product Type: OIL Fac
37	552-4	ok 73102-8260 2-4732fax: 465	LTO PARTNERSHIP . OKLAHOMA CETY NONS Phone: (403 552	BLACKWOOD & NICHOLS CO A LTD PARTNERSHIP 1500 MID AMERICAN TOWER OKLAHOMA (1Ristell SAMMONS Pho	OGRID: 002505 Operator Name: BLACKHOOD & NICHOLS CO A LTD PARTHERSHIP. 30 N. BROADWAY 1500 MID AMERICAN TOWER OKLAHOMA (Ltd.) 6-115 Filer Contact Name: MRiStell SAMMANS Phone: (403 552-473) FAX: 405 553-455

April 21, 1994

New Mexico Oil Conservation Division Attn: Mr. Bill LeMay P.O. Box 2088 310 Old Santa Fe Trail Santa Fe. New Mexico 87501

RE:

Brown #200

Unit N, Section 31, T29N, R04W Rio Arriba County, New Mexico Downhole Commingling Request DECEIVED N APR 2 6 1994

OIL CON. DIV.

Dear Mr. LeMay:

Meridian Oil Inc. is applying for an administrative downhole commingling order for the referenced well in the Pictured Cliffs and the Basin Fruitland Coal fields. The ownership of the zones to be commingled is common. The offset operator/owners to this well are Ruth Zimmerman Trust, Max B. Rotholz, Thomas & Mary Dugan, Langdon D. Harrison, Kerr-McGee Corp., Robert P. Tinnin, MAR Oil & Gas, H.O. Pool Trust, EJE Brown Company, Kathleen Quinn and Phillips Petroleum Company. A letter has been sent to the Bureau of Land Management and to the above mentioned notifying them of this downhole commingle.

The Fruitland Coal and Pictured Cliffs wells producing in this area operated by Meridian are marginally productive. Based on offset production in this area, drilling of separate wells and dual completions to produce the Fruitland Coal and Pictured Cliffs are not economically justified. The only economical way to recover the Fruitland Coal and Pictured Cliffs reserves in this drill block is to downhole commingle production from both zones in this well.

It is proposed to complete the Pictured Cliffs formation and test its production. It is then proposed to set a bridge plug above the Pictured Cliffs, perforate and stimulate the Fruitland Coal, and test its production. The bridge plug will then be removed, and both zones produced through a single string of tubing. The reservoir characteristics of each of the subject zones are such that underground waste will not be caused by the proposed commingling. Neither producing interval makes oil, and only minimal amounts of similar water are produced in the offset wells. The average shut-in pressures in the area for the Pictured Cliffs and Fruitland Coal are 1065 and 1040 psi, respectively.

The allocation of the commingled production will be calculated using the attached allocation formula. This formula is based on offset Pictured Cliffs production performance (material balance) and volumetrics, and uses accepted Reservoir Engineering methods to allocate the Pictured Cliffs reserves. This addresses the Fruitland Coal producing characteristics of early life inclining production rates.

New Mexico Oil Conservation Division Mr. Bill LeMay Brown #200 Downhole Commingling Request Page Two

Approval of this commingling application will allow for the prevention of wasted resources and protection of correlative rights. Included with this letter are plats showing ownership of offsetting leases for both the Pictured Cliffs and Fruitland Coal, a copy of the letter to the BLM and an allocation formula.

Sincerely,

John D. Clayton Regional Engineer

SHL/rjp Attachments

cc: Frank T. Chavez - NMOCD/Aztec

April 21, 1994

Bureau of Land Management 1235 La Plata Highway Farmington, NM 87401

RE:

Brown #200

Unit N, Section 31, T29N, R04W Rio Arriba County, New Mexico Downhole Commingle Request

Gentlemen:

Meridian Oil Inc. is in the process of applying for a downhole commingling order from the New Mexico Oil Conservation Division (NMOCD) for the referenced well located in Rio Arriba County, New Mexico. The approved application will commingle the Pictured Cliffs and the Basin Fruitland Coal fields.

The purpose of this letter is to notify you of Meridian's application. If you have no objections to the NMOCD issuing a commingling order, we would appreciate your signing this letter and returning the original to Mr. LeMay at the following address with a copy to this office:

Mr. William LeMay New Mexico Oil Conservation Division P.O. Box 2088 Santa Fe, NM 87501

Your prompt attention to this matter would be appreciated.

Yours truly,

John D. Clayton Regional Engineer

Told uppin for JDC

COMPANY/OWNER	:	<u> </u>		
TITLE:		 	<u></u> :	-
DATE:				

April 21, 1994

Phillips Petroleum Corp. 5525 Highway 64 NBU 3004 Farmington, NM 87401

RE:

Brown #200

Unit N, Section 31, T29N, R04W Rio Arriba County, New Mexico Downhole Commingle Request

Gentlemen:

Meridian Oil Inc. is in the process of applying for a downhole commingling order from the New Mexico Oil Conservation Division (NMOCD) for the referenced well located in Rio Arriba County, New Mexico. The approved application will commingle the Pictured Cliffs and the Basin Fruitland Coal fields.

The purpose of this letter is to notify you of Meridian's application. If you have no objections to the NMOCD issuing a commingling order, we would appreciate your signing this letter and returning the original to Mr. LeMay at the following address with a copy to this office:

Mr. William LeMay New Mexico Oil Conservation Division P.O. Box 2088 Santa Fe, NM 87501

Your prompt attention to this matter would be appreciated.

Yours truly,

John D. Clayton Regional Engineer

sin for JDC

COMPANY/OWNER:	 	
TITLE:	 	
DATE:	 	

April 21, 1994

Ruth Zimmerman Trust Attn: Hazel Hart 842 Muirlands Vista Way La Jolla, CA 92037

RE:

Brown #200

Unit N, Section 31, T29N, R04W Rio Arriba County, New Mexico Downhole Commingle Request

Dear Ms. Hazel Hart:

Meridian Oil Inc. is in the precess of applying for a downhole commingling order from the New Mexico Oil Conservation Division (NETOCD) for the referenced well located in Rio Arriba County, New Mexico. The approved application will commingle the Pictured Cliffs and the Basin Fruitland Coal fields.

The purpose of this letter is to notify you of Meridian's application. If you have no objections to the NMOCD issuing a comming order, we would appreciate your signing this letter and returning the original to Mr. LeMay at the top original to Mr. LeMay at the top

Mr. William LeMay
New Elexico Oil Conservation Division
P.O. Sox 2088
Santa Fe, NM 87501

Your prompt attention to this matter would be appreciated.

John D. Clayton Regional Engineer

COMPARY/DW	NER:		
*			
TITLE:		 	
DATE:		 	

April 21, 1994

Max B. Rotholz 1323 North Fulton Wharton, TX 77488

RE:

Brown #200

Unit N, Section 31, T29N, R04W Rio Arriba County, New Mexico Downhole Commingle Request

Gentlemen:

Meridian Oil Inc. is in the process of applying for a downhole commingling order from the New Mexico Oil Conservation Division (NMOCD) for the referenced well located in Rio Arriba County, New Mexico. The approved application will commingle the Pictured Cliffs and the Basin Fruitland Coal fields.

The purpose of this letter is to notify you of Meridian's application. If you have no objections to the NMOCD issuing a commingling order, we would appreciate your signing this letter and returning the original to Mr. LeMay at the following address with a copy to this office:

Mr. William LeMay New Mexico Oil Conservation Division P.O. Box 2088 Santa Fe, NM 87501

Your prompt attention to this matter would be appreciated.

Yours truly,

John D. Clayton Regional Engineer

COMPANY/OWNER:	 	 	
TITLE:	 	 	-
DATE:	 	 	

April 21, 1994

Thomas & Mary Dugan P.O. Box 420 Farmington, NM 87499

RE: Brown #200

Unit N, Section 31, T29N, R04W Rio Arriba County, New Mexico Downhole Commingle Request

Gentlemen:

Meridian Oil Inc. is in the process of applying for a downhole commingling order from the New Mexico Oil Conservation Division (NMOCD) for the referenced well located in Rio Arriba County, New Mexico. The approved application will commingle the Pictured Cliffs and the Basin Fruitland Coal fields.

The purpose of this letter is to notify you of Meridian's application. If you have no objections to the NMOCD issuing a commingling order, we would appreciate your signing this letter and returning the original to Mr. LeMay at the following address with a copy to this office:

Mr. William LeMay New Mexico Oil Conservation Division P.O. Box 2088 Santa Fe, NM 87501

Your prompt attention to this matter would be appreciated.

Yours truly,

John D. Clayton Regional Engineer

The undersigned hereby waives objection to the referenced Downhole Commingle Request.

TITLE:______
DATE:_____

April 21, 1994

Langdon D. Harrison 7517 Tamarron Place, N.E. Albuquerque, NM 87109

RE:

Brown #200

Unit N, Section 31, T29N, R04W Rio Arriba County, New Mexico Downhole Commingle Request

Gentlemen:

Meridian Oil Inc. is in the process of applying for a downhole commingling order from the New Mexico Oil Conservation Division (NMOCD) for the referenced well located in Rio Arriba County, New Mexico. The approved application will commingle the Pictured Cliffs and the Basin Fruitland Coal fields.

The purpose of this letter is to notify you of Meridian's application. If you have no objections to the NMOCD issuing a commingling order, we would appreciate your signing this letter and returning the original to Mr. LeMay at the following address with a copy to this office:

Mr. William LeMay New Mexico Oil Conservation Division P.O. Box 2088 Santa Fe. NM 87501

Your prompt attention to this matter would be appreciated.

Yours truly.

John D. Clayton Regional Engineer

The undersigned hereby waives objection to the referenced Downhole Commingle Request.

TITLE:______
DATE:_____

April 21, 1994

Kerr-McGee Corp. P.O. Box 11050 Midland, TX 79702

RE: Brown #200

Unit N, Section 31, T29N, R04W Rio Arriba County, New Mexico Downhole Commingle Request

Gentlemen:

Meridian Oil Inc. is in the process of applying for a downhole commingling order from the New Mexico Oil Conservation Division (NMOCD) for the referenced well located in Rio Arriba County, New Mexico. The approved application will commingle the Pictured Cliffs and the Basin Fruitland Coal fields.

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Mr. William LeMay New Mexico Oil Conservation Division P.O. Box 2088 Santa Fe. NM 87501

Your prompt attention to this matter would be appreciated.

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Yours truly,

John D. Clayton Regional Engineer

Hoppin for JOC

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TITLE:		 	
DATE:	<u> </u>	 	
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April 21, 1994

Robert P Tinnin P.O. Box 1885 Albuquerque, NM 87103

RE: B

Brown #200

Unit N, Section 31, T29N, R04W Rio Arriba County, New Mexico Downhole Commingle Request

Gentlemen:

Meridian Oil Inc. is in the process of applying for a downhole commingling order from the New Mexico Oil Conservation Division (NMOCD) for the referenced well located in Rio Arriba County, New Mexico. The approved application will commingle the Pictured Cliffs and the Basin Fruitland Coal fields.

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Mr. William LeMay New Mexico Oil Conservation Division P.O. Box 2088 Santa Fe, NM 87501

Your prompt attention to this matter would be appreciated.

Yours truly,

John D. Clayton Regional Engineer

tippin for JOC

COMPANY/OWNER:	
TITLE:	
DATE:	

April 21, 1994

MAR Oil & Gas P.O. Box 5155 Santa Fe, NM 87502

RE:

Brown #200

Unit N, Section 31, T29N, R04W Rio Arriba County, New Mexico Downhole Commingle Request

Gentlemen:

Meridian Oil Inc. is in the process of applying for a downhole commingling order from the New Mexico Oil Conservation Division (NMOCD) for the referenced well located in Rio Arriba County, New Mexico. The approved application will commingle the Pictured Cliffs and the Basin Fruitland Coal fields.

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Mr. William LeMay New Mexico Oil Conservation Division P.O. Box 2088 Santa Fe, NM 87501

Your prompt attention to this matter would be appreciated.

Yours truly,

John D. Clayton Regional Engineer

COMPANY/OWNER:	 	
TITLE:	 	
DATE:	 	

April 21, 1994

H.O. Pool Trust Attn: Debbie Burney P.O. Box 25189 Oklahoma City, OK 73125

RE:

Brown #200

Unit N, Section 31, T29N, R04W Rio Arriba County, New Mexico Downhole Commingle Request

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Your prompt attention to this matter would be appreciated.

Yours truly,

John D. Clayton Regional Engineer

COMPANY/OWNER:	
TITLE:	
DATE:	·

April 21, 1994

EJE Brown Company c/o Nationsbank of Texas, N.A. P.O. Box 2546 Ft, Worth, TX 76113-2546

RE: Brown #200

Unit N, Section 31, T29N, R04W Rio Arriba County, New Mexico Downhole Commingle Request

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Mr. William LeMay New Mexico Oil Conservation Division P.O. Box 2088 Santa Fe, NM 87501

Your prompt attention to this matter would be appreciated.

Partiagin for JOC

John D. Clayton Regional Engineer

COMPANY/OWNER:_	 	 -
TITLE:	 	 _
DATE:	 	

April 21, 1994

Kathleen Quinn
c/o Sunwest Bank of Albuquerque, N.A.
Attn: Gail McBreatry
P.O Box 26900
Albuquerque, NM 87125

RE:

Brown #200

Unit N, Section 31, T29N, R04W Rio Arriba County, New Mexico Downhole Commingle Request

Gentlemen:

Meridian Oil Inc. is in the process of applying for a downhole commingling order from the New Mexico Oil Conservation Division (NMOCD) for the referenced well located in Rio Arriba County, New Mexico. The approved application will commingle the Pictured Cliffs and the Basin Fruitland Coal fields.

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Mr. William LeMay New Mexico Oil Conservation Division P.O. Box 2088 Santa Fe, NM 87501

Your prompt attention to this matter would be appreciated.

Yours truly,

John D. Clayton Regional Engineer

Happin for JOC

COMPANY/OWNER:	
TITLE:	
DATE:	

MONTHLY GAS PRODUCTION ALLOCATION FORMULA

GENERAL EQUATION

Qt = Qftc + Qpc

WHERE: Qt = TOTAL MONTHLY PRODUCTION (MCF/MONTH)

Qftc = FRUITLAND COAL (FTC) MONTHLY PRODUCTION

Qpc = PICTURED CLIFFS (PC) MONTHLY PRODUCTION (MCF/MONTH)

REARRANGING THE EQUATION TO SOLVE FOR Qftc:

Qftc = Qt - Qpc

ANY PRODUCTION RATE OVER WHAT IS CALCULATED FOR THE PICTURED CLIFFS (PC) USING THE APPLIED FORMULA IS FRUITLAND COAL (FTC) PRODUCTION.

PICTURED CLIFFS (PC) FORMATION PRODUCTION FORMULA IS:

 $Qpc = Qpci * e^{-(Dpc)*(t)}$

WHERE: Qpci = INITIAL PC MONTHLY FLOW RATE (CALCULATED FROM FLOW TEST)

Dpc = PICTURED CLIFFS MONTHLY DECLINE RATE CALCULATED FROM:

Dpc = (Qpci-Qpcabd)/Np(pc)

See Determination of Qpci and PC Estimated Ultimate Recovery (EUR)

Qpcabd = 300 MCF/M

WHERE: Np(pc) = PICTURED CLIFFS ESTIMATED ULTIMATE RECOVERY (EUR)

P*x 1.16 MMCF/PSI** x Rf

P* = INITIAL RESERVOIR PRESSURE (7 DAY SIBHP)

RF = RECOVERY (FIELD ANALOGY): = 0.95

** DETERMINED FROM MATERIAL BALANCE (FIELD ANALOGY) AND

VOLUMETRIC RESERVES (LOG ANALYSIS)

By calculating PC EUR FROM SIBHP and determining PC initial flow rate, Dpc can then be estimated utilizing the previously described parameters

THUS: Qftc = Qt - Qpci * $e^{-(Dpc)}(t)$

WHERE: (t) IS IN MONTHS

REFERENCE: Thompson, R. S., and Wright, J. D., "Oil Property Evaluation", pages 5-2, 5-3, 5-4.

DETERMINATION OF Qpci: (INITIAL PICTURED CLIFFS MONTHLY PRODUCTION)

$Qpci = Qt(1) \times Qpc(p) / \{Qpc(p) + Qftc(p)\}$

WHERE:

Qt(1) = FIRST MONTH TOTAL PRODUCTION (MCF)

Qpc(p) = FINAL PICTURED CLIFFS FLOW TEST (MCFPD)

Qftc(p) = FINAL FRUITLAND COAL FLOW TEST (MCFPD)

EXAMPLE DETERMINATION OF:

(a) Np(pc)

PC EUR

(b) Qpci

INITIAL PC MONTHLY FLOW RATE

(c) Dpc

PC MONTHLY DECLINE RATE

(a) DETERMINATION OF Np(pc)

Np(pc) = 1.16 (MMCF/PSI) X P*(PSI) X Rf

P* = 1065 PSI (FROM 7 DAY SIBHP)

Np(pc) = 1.16 MMCF/PSI X 1065 PSI X 0.95

Np(pc) = 1174 MMCF

(b) DETERMINATION OF Qpci

 $Qpci = Qt(1) X {Qpc(p)/(Qpc(p) + Qftc(p))}$

Qt(1) =

Qftc(p) =

15,000 MCF

1ST MONTH TOTAL PRODUCTION

Qpc(p) =

500 MCF/D 400 MCF/D PC FLOW TEST FTC FLOW TEST

Qpci = 15,000 MCF/M X {500 MCF/D/(500 MCF/D + 400 MCF/D)}

Qpci = 8,333 MCF/M

(c) DETERMINATION OF Dpc

Dpc = (Qpci - Qpcabd)/Npc

Qpcabd = 300 MCF/M

Dpc = (8,333MCF/M - 300MCF/M)/(1,174,000MCF)

Dpc = 0.007/M

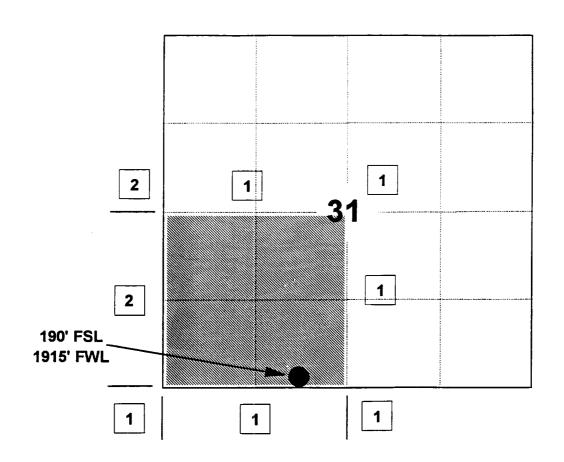
THUS: Qftc = Qt(MCF/M) - 8,333(MCF/M) \times e^{-(0.007(1/M)) \times t(M)}

MERIDIAN OIL INC

BROWN #200

OFFSET OPERATOR \ OWNER PLAT Fruitland Coal / Pictured Cliffs Commingle Well Unorthodox Well Location

Township 29 North, Range 4 West



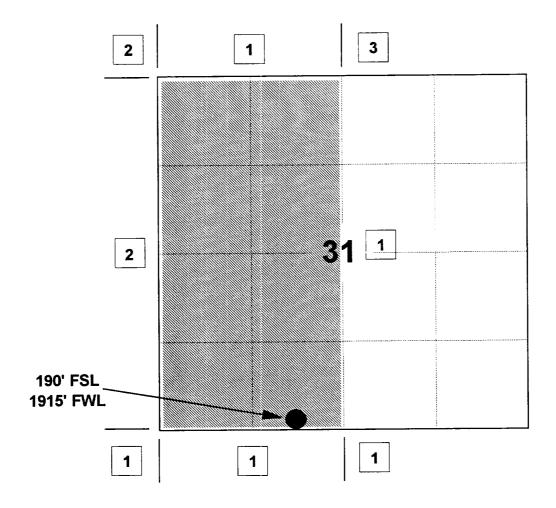
1) Meridian Oil Inc	
2) Phillips Petroleum Company	5525 Highway 64 NBU 3004, Farmington, NM 87401

MERIDIAN OIL INC

BROWN #200

OFFSET OPERATOR \ OWNER PLAT Fruitland Coal / Pictured Cliffs Formation Commingle Unorthodox Well Location

Township 29 North, Range 4 West



1)	Meridian Oil Inc	
2)	Phillips Petroleum Company	5525 Highway 64 NBU 3004, Farmington, NM 87401
<u>3)</u>	See Attatched	
_		
_		

Ruth Zimmerman Trust Attn: Hazel Hart (Sister) 842 Muirlands Vista Way La Jolla, CA 92037

Max B. Rotholz 1323 North Fulton Wharton, TX 77488

Thomas & Mary Dugan P.O. Box 420 Farmington, NM 87499

Langdon D. Harrison 7517 Tamarron Place, N.E. Albuquerque, New Mexico 87109

Kerr-McGee Corp. Post Office Box 11050 Midland, Texas 79702

Robert P. Tinnin P.O. Box 1885 Albuquerque, NM 87103

MAR Oil & Gas P.O. Box 5155 Santa Fe, NM 87502

H.O. Pool Trust Attn: Debbie Burney P.O. Box 25189 Oklahoma City, OK 73125

EJE Brown Company c/o Nationsbank of Texas, N.A. P.O. Box 2546 Fort Worth, TX 76113-2546

Kathleen Quinn c/o Sunwest Bank of Albuquerque, N.A. Attn: Gail McBrearty P.O. Box 26900 Albuquerque, NM 87125