

# BURLINGTON RESOURCES

## PRODUCTION ALLOCATION FORM

RECEIVED

JUN 12 2014

Farmington Field  
Bureau of Land Management

Distribution:  
BLM 4 Copies  
Regulatory  
Accounting  
Well File  
Revised: March 9, 2006

Status:  
PRELIMINARY ☒  
FINAL ☐  
REVISED ☒ 3<sup>rd</sup> Allocation

Commingle Type  
SURFACE ☐ DOWNHOLE ☒  
Type of Completion  
NEW DRILL ☒ RECOMPLETION ☐ PAYADD ☐ COMMINGLE ☐

Date: 6/9/14

API No. 30-045-35098  
DHC No. DHC3328AZ  
Lease No. FEE  
NM 073286

MV CA →

Well Name  
Mark Maddox

Well No.  
#1B

Unit Letter	Section	Township	Range	Footage	County, State
Surf- B	15	T032N	R011W	662' FNL & 1589' FEL	San Juan County,
BH- B	15	T032N	R011W	729' FNL & 1619' FEL	New Mexico

Completion Date: 1/22/2013  
Test Method: HISTORICAL ☐ FIELD TEST ☒ PROJECTED ☐ OTHER ☐

FORMATION	GAS	PERCENT	CONDENSATE	PERCENT
MESAVERDE		6%	OIL CONS. DIV DIST. 3	26%
DAKOTA		94%	JUN 18 2014	74%

JUSTIFICATION OF ALLOCATION: **Third Allocation:** These percentages are based upon compositional gas analysis tests from the Mesaverde and Dakota formations during completion operations. Subsequent allocations will be submitted every three months after the first delivery date. Allocation splits will keep changing until the gas analysis mole fractions stabilize. Condensate percentages are based upon the formation yields.

APPROVED BY	DATE	TITLE	PHONE
<i>Joe Herring</i>	6-16-14	Geo	564-7740
X <i>Erica Herring</i>	6/9/14	Engineer	505-326-9854
X <i>Shara Graham</i>	6/9/14	Engineering Tech.	505-326-9819
Shara Graham			

Federal Minerals in E/2 of sec 15  
MV CA# NM073286

NMOCD

# COMPOSITIONAL ALLOCATION FORM

**COMPANY: CONOCOPHILLIPS**

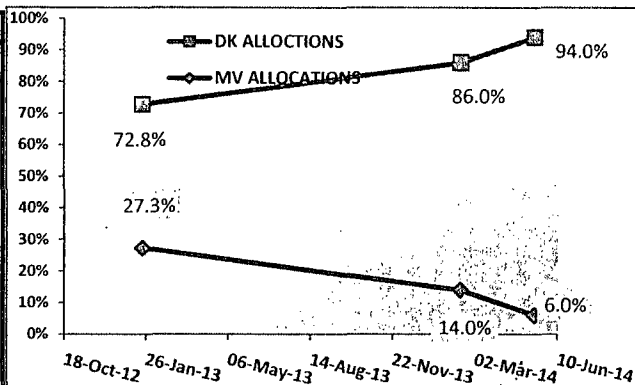
## WELL INFORMATION

**LOCATION:** NM032N11W015B Downhole  
**WELLNAME:** Mark Maddox 1B  
**API NUMBER:** 3004535098  
**LEASE NUMBER:**  
**COUNTY/ STATE:** San Juan, NM  
**FORMATIONS:** MV/DK (BLANCO MESAVERDE/ BASIN DAKOTA)  
**DHC # APPROVAL:** DHC3328AZ  
**ALLOCATION NUMBER:** 3

## SAMPLE DATA

**ANALYSIS FROM:** Gas Analysis Service (Phone 505-5998998)  
**ANALYSIS REF NUMBER:** CP140403 01/22/13

<b>SAMPLE DATE:</b>	5/14/2014		
COMPONENT	MOLE %	NORM HC %	BTU
NITROGEN	0.24		
CO2	3.96		
METHANE	94.57	98.7%	955.20
ETHANE	0.86	0.9%	15.27
PROPANE	0.20	0.21%	5.01
I-BUTANE	0.04	0.0%	1.40
N-BUTANE	0.05	0.0%	1.53
I-PENTANE	0.02	0.0%	0.80
N-PENTANE	0.01	0.0%	0.40
HEXANE PLUS	0.04	0.0%	2.21
	100.000		1024.27
HYDROCARBON	95.798		



## END POINTS INFORMATION

FROM STAND ALONE WELLS OR REAL TIME DATA

END POINTS INFORMATION	METHANE		ETHANE		PROPANE		TOTAL BUTANE	
	C1MV	C1DK	C2MV	C2DK	C3MV	C3DK	C4MV	C4DK
CONCENTRATION	87.88%	99.45%	7.48%	0.50%	2.67%	0.03%	1.21%	0.02%
Confidence ratio*	15.4		38.9		28.31		12.3	

\*(Endpoints diff / Observed Variance)

☒ If red, Member Conf ratio too low to be used for allocation purposes

	MV	DK	MV	DK	MV	DK	MV	DK
Allocations*	6.0%	94.0%	6%	94%	7%	93%	5%	95%

Calculated using formulas below

MV ALLOC= DKendP-Mix / DKendP-MVendP

DK ALLOC= Mix-MVPend / DKendP-MVendP

CENTRAL MEMBER\*

CONF RATIO	COMP
38.9	C2
CM ALLOC	
MV	DK
6%	94%

\*Central Member (Component with higher Confidence Ratio)

## ALLOCATION CALCULATION

ONLY THOSE COMPONENTS WHOSE ALLOCATIONS ARE 15% POINTS WITHIN THE CENTRAL MEMBER WILL BE USED FOR THE AVERAGE ESTIMATION (Zeros and Neg Discarded)

15% Check	MV ALL
C1	6.000%
C2	6.000%
C3	7.000%
C4	5.000%

## OFFICIAL GAS ALLOC

MV	DK
6.0%	94.0%
OIL	OIL
26%	74%

\* Oil allocation based on Historical yields

\* If both are zero then Oil alloc= Gas alloc

## SIGNATURES

NAME	TITLE	DATE	SIGNATURE
_____	_____	_____	_____
_____	_____	_____	_____