

SEP 27 2016

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Revised: March 9, 2006

# BURLINGTON RESOURCES

Farmington Field Office  
Bureau of Land Management

## PRODUCTION ALLOCATION FORM

Status  
PRELIMINARY   
FINAL   
REVISED

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

OIL CONS. DIV DIST. 3

OCT 24 2016

Date: 9/1/2016  
API No. 30-045-34025  
DHC No. DHC3956AZ  
Lease No. E-3374

Well Name  
State Com M

Well No.  
#10

Unit Letter L	Section 36	Township T032N	Range R011W	Footage 2110' FSL & 855' FWL
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County, State  
San Juan County,  
New Mexico

Completion Date 9/1/2016	Test Method HISTORICAL <input type="checkbox"/> FIELD TEST <input checked="" type="checkbox"/> PROJECTED <input type="checkbox"/> OTHER <input type="checkbox"/>
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FORMATION	GAS	PERCENT	CONDENSATE	PERCENT
MESAVERDE		100%		100%
DAKOTA		0%		0%

JUSTIFICATION OF ALLOCATION; **Preliminary.** 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>William Tambokon</i>	<i>10/11/2016</i>	<i>Petroleum Engineer</i>	<i>505-564-7746</i>
X <i>[Signature]</i>	<i>9/9/16</i>	Engineer	505-326-9826
Ephraim Schofield			

# BURLINGTON RESOURCES

## PRODUCTION ALLOCATION FORM

OIL CONS. DIV DIST. 3

Distribution:  
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Revised: March 9, 2006

Status  
PRELIMINARY   
FINAL   
REVISED  2nd

Commingle Type  
SURFACE  DOWNHOLE  NOV 21 2016  
Type of Completion  
NEW DRILL  RECOMPLETION  PAYADD  COMMINGLE

Date: **10/1/2016**  
API No. **30-045-34025**  
DHC No. **DHC3956AZ**  
Lease No. **E-3374**

Well Name  
**State Com M**

Well No.  
**#10**

Unit Letter <b>L</b>	Section <b>36</b>	Township <b>T032N</b>	Range <b>R011W</b>	Footage <b>2110' FSL &amp; 855' FWL</b>	County, State <b>San Juan County, New Mexico</b>
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Completion Date <b>9/1/2016</b>	Test Method HISTORICAL <input type="checkbox"/> FIELD TEST <input checked="" type="checkbox"/> PROJECTED <input type="checkbox"/> OTHER <input type="checkbox"/>
------------------------------------	---

FORMATION	GAS	PERCENT	CONDENSATE	PERCENT
<b>MESAVERDE</b>		<b>65%</b>		<b>96%</b>
<b>DAKOTA</b>		<b>35%</b>		<b>4%</b>

**JUSTIFICATION OF ALLOCATION: 2nd.** 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
X 	11/1/16	Engineer	505-326-9826
Ephraim Schofield			
X			

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# BURLINGTON RESOURCES

## PRODUCTION ALLOCATION FORM

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Status  
PRELIMINARY   
FINAL   
REVISED  3rd

Date: 02/01/2017

API No. 30-045-34025  
DHC No. DHC3956AZ  
Lease No. E-3374

OIL CONS. DIV DIST. 3

MAY 18 2017

Comingle Type  
SURFACE  DOWNHOLE   
Type of Completion  
NEW DRILL  RECOMPLETION  PAYADD  COMMINGLE

Well Name  
**State Com M**

Well No.  
**#10**

Unit Letter <b>L</b>	Section <b>36</b>	Township <b>T032N</b>	Range <b>R011W</b>	Footage <b>2110' FSL &amp; 855' FWL</b>	County, State <b>San Juan County, New Mexico</b>
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Completion Date <b>9/1/2016</b>	Test Method HISTORICAL <input type="checkbox"/> FIELD TEST <input checked="" type="checkbox"/> PROJECTED <input type="checkbox"/> OTHER <input type="checkbox"/>
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FORMATION	GAS	PERCENT	CONDENSATE	PERCENT
<b>MESAVERDE</b>		<b>55%</b>		<b>94%</b>
<b>DAKOTA</b>		<b>45%</b>		<b>6%</b>

JUSTIFICATION OF ALLOCATION: **3rd**. 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>[Signature]</i>	<i>11/2/2017</i>	<b>GEOLOGIST DISTRICT #3</b>	
X		Engineer	505-326-9826
Cori Cassida	<i>2/1/2017</i>	Reserves Coordinator	505-599-4076
X			

# BURLINGTON RESOURCES

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PRELIMINARY   
FINAL   
REVISED  4th

OIL CONS. DIV DIST. 3

JUN 09 2017

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

Date: **05/01/2017**  
API No. **30-045-34025**  
DHC No. **DHC3956AZ**  
Lease No. **E-3374**

Well Name  
**State Com M**

Well No.  
**#10**

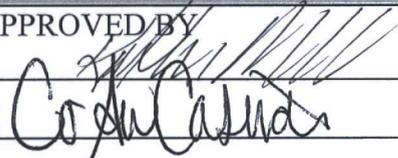
Unit Letter <b>L</b>	Section <b>36</b>	Township <b>T032N</b>	Range <b>R011W</b>	Footage <b>2110' FSL &amp; 855' FWL</b>	County, State <b>San Juan County, New Mexico</b>
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K/D

Completion Date <b>9/1/2016</b>	Test Method HISTORICAL <input type="checkbox"/> FIELD TEST <input checked="" type="checkbox"/> PROJECTED <input type="checkbox"/> OTHER <input type="checkbox"/>
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FORMATION	GAS	PERCENT	CONDENSATE	PERCENT
<b>MESAVERDE</b>		<b>53%</b>		<b>93%</b>
<b>DAKOTA</b>		<b>47%</b>		<b>7%</b>

**JUSTIFICATION OF ALLOCATION: 4th.** 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
X 	<b>6/9/17</b> <b>6/9/2017</b>	Reserves Coordinator	505-599-4076
Cori Cassida			
X			

# Hilcorp Energy Company

## PRODUCTION ALLOCATION FORM

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PRELIMINARY   
FINAL   
REVISED  4th

OIL CONS. DIV DIST. 3

SEP 20 2017

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

Date: 09/19/2017  
API No. 30-045-34025  
DHC No. DHC3956AZ  
Lease No. E-3374

Well Name  
State Com M

Well No.  
#10

Unit Letter L	Section 36	Township T032N	Range R011W	Footage 2110' FSL & 855' FWL	County, State San Juan County, New Mexico
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Completion Date 9/1/2016	Test Method HISTORICAL <input type="checkbox"/> FIELD TEST <input checked="" type="checkbox"/> PROJECTED <input type="checkbox"/> OTHER <input type="checkbox"/>
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470

FORMATION	GAS	PERCENT	CONDENSATE	PERCENT
MESAVERDE		53%		93%
DAKOTA		47%		7%

JUSTIFICATION OF ALLOCATION: **Revise 4<sup>th</sup> allocation to Final 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>[Signature]</i>	9/25/17	District III Geologist	
X <i>Kandis Roland</i>	9/19/17	Operations/Regulatory Tech	505-324-5149
Kandis Roland			
X			

## COMPOSITIONAL ALLOCATION FORM

**COMPANY: CONOCOPHILLIPS**

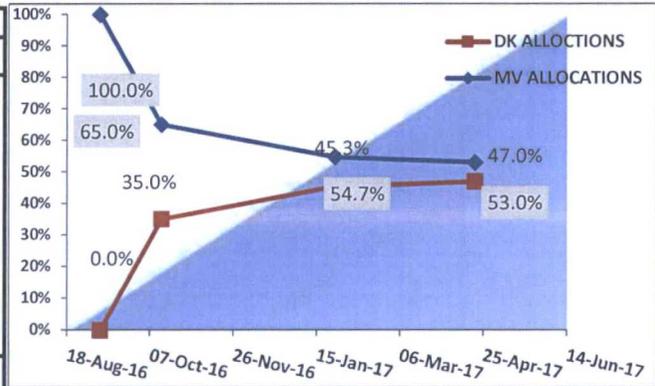
**WELL INFORMATION**

**LOCATION:** NM032N11W036L Downhole  
**WELLNAME:** State Com M 10  
**API NUMBER:** 3004534025  
**LEASE NUMBER:** E-3374  
**COUNTY/ STATE:** San Juan, NM  
**FORMATIONS:** MV/DK (BLANCO MESAVERDE/ BASIN DAKOTA)  
**DHC # APPROVAL:** DHC3956AZ  
**ALLOCATION NUMBER:** 4

**SAMPLE DATA**

**ANALYSIS FROM:** Gas Analysis Service (Phone 505-5998998)  
**ANALYSIS REF NUMBER:** CP170160 09/07/16

COMPONENT	MOLE %	NORM HC %	BTU
NITROGEN	1.06		
CO2	1.94		
METHANE	85.62	88.3%	864.78
ETHANE	6.42	6.6%	113.62
PROPANE	2.60	2.68%	65.29
I-BUTANE	0.58	0.6%	18.69
N-BUTANE	0.69	0.7%	22.61
I-PENTANE	0.28	0.3%	11.24
N-PENTANE	0.20	0.2%	8.18
HEXANE PLUS	0.60	0.6%	31.84
	100.000		1166.62
HYDROCARBON	96.994		



**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	81.66%	95.82%	9.43%	3.29%	4.75%	0.48%	2.40%	0.23%
Confidence ratio*	19.9		21.4		23.66		10.8	

\*(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*	53.0%	47.0%	54%	46%	51%	49%	35%	65%

**\*Calculated using formulas below**

**MV ALLOC=** DKendP-Mix / DKendP-MVendP  
**DK ALLOC=** Mix-MVPend / DKendP-MVendP

CENTRAL MEMBER*	
CONF RATIO	COMP
23.7	C3
CM ALLOC	
MV	DK
51%	49%

\*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	53.000%
C2	54.000%
C3	51.000%
C4	

OFFICIAL GAS ALLOC	
MV	DK
53.0%	47.0%
Oil*	Oil*
93%	7%

\* Oil allocation based on Historical yields  
 \* If both are zero then Oil alloc= Gas alloc

**SIGNATURES**

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