

JUL 20 2015

Area: «TEAM»

# BURLINGTON RESOURCES

## PRODUCTION ALLOCATION FORM

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

Status  
PRELIMINARY   
FINAL   
REVISED

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

Date: **10/1/2009**  
API No. **30-045-12049**  
DHC No. **DHC1365**  
Lease No. **FEE**

Well Name  
**Decker**

Well No.  
**#2**

Unit Letter <b>A</b>	Section <b>26</b>	Township <b>T032N</b>	Range <b>R012W</b>	Footage <b>1090' FNL &amp; 850' FEL</b>	County, State <b>San Juan County, New Mexico</b>
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Completion Date	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>84%</b>		<b>83%</b>
<b>DAKOTA</b>		<b>16%</b>		<b>17%</b>

JUSTIFICATION OF ALLOCATION: **Final.** These percentages are based upon compositional gas analysis tests from the Mesaverde and Dakota formations. Zonal contributions have stabilized as the well has been commingled since 1997. No subsequent samples will be gathered. Condensate percentages are based upon the formation yields.

APPROVED BY	DATE	TITLE	PHONE
X 	7-14-15	Engineer	505-326-9826
Ephraim Schofield			

*pc*  
2.

# COMPOSITIONAL ALLOCATION FORM

**COMPANY: CONOCOPHILLIPS**

**FINAL REPORT**

**WELL INFORMATION**

**LOCATION:** NM032N12W026A      Downhole  
**WELLNAME:** Decker 2  
**API NUMBER:** 3004512049  
**LEASE NUMBER:**  
**COUNTY/ STATE:** San Juan, NM  
**FORMATIONS:** MV/DK (BLANCO MESAVERDE/ BASIN DAKOTA)  
**DHC # APPROVAL:**  
**ALLOCATION NUMBER:** 1FINAL REPORT

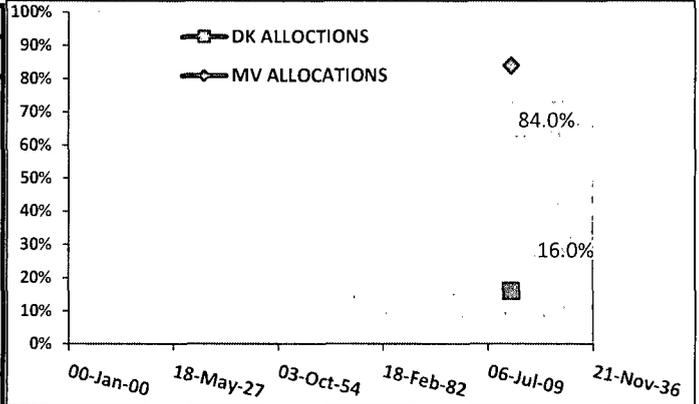


**FINAL REPORT**

**SAMPLE DATA**

**ANALYSIS FROM:** Gas Analysis Service (Phone 505-5998998)  
**ANALYSIS REF NUMBER:** CP150309      06/18/15

COMPONENT	MOLE %	NORM HC %	BTU
NITROGEN	0.45		
CO2	1.74		
METHANE	82.47	84.3%	832.92
ETHANE	8.67	8.9%	153.44
PROPANE	3.60	3.68%	90.60
I-BUTANE	0.71	0.7%	23.02
N-BUTANE	1.15	1.2%	37.56
I-PENTANE	0.40	0.4%	15.96
N-PENTANE	0.31	0.3%	12.31
HEXANE PLUS	0.51	0.5%	26.94
	100.000		1214.82
HYDROCARBON	97.814		



**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	83.71%	89.70%	9.39%	6.97%	3.95%	1.74%	1.77%	0.81%
Confidence ratio*	8.6		6.6		11.27		5.5	

\*(Endpoints diff / Observed Variance)

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

Allocations*	MV	DK	MV	DK	MV	DK	MV	DK
		90.0%	10.0%	78%	22%	88%	12%	81%

**Calculated using formulas below**

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

CENTRAL MEMBER*	
CONF RATIO	COMP
11.3	C3
CM ALLOC	
MV	DK
88%	12%

\*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	90.000%
C2	78.000%
C3	88.000%
C4	81.000%

OFFICIAL GAS ALLOC	
MV	DK
84.0%	16.0%
<b>Oil</b>	<b>Oil</b>
83%	17%

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

**SIGNATURES**

NAME	TITLE	DATE	SIGNATURE
Ephraim Schofield	Reservoir Engineer	7-7-15	<i>Ephraim Schofield</i>