Area: «TEAM»

OIL CONS. DIV DIST. 3
JUL 29 2014

BURLINGTON RESOURCES

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Well File
Revised: March 9, 2006

PRODUCTION ALLOCATION FORM

Status
PRELIMINARY ☒
FINAL ☐
REVISED ☒ 4th Allocation

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

Date: **7/18/14**

API No. **30-045-34872**
DHC No. **DHC3141AZ**
Lease No. **SF-078135**
Federal

Well Name
Huerfanito Unit

Well No.
#87N

Unit Letter	Section	Township	Range	Footage	County, State
Surf- L	**1**	**T026N**	**R009W**	**1432' FSL & 382' FWL**	**San Juan County, New Mexico**

Completion Date
7/10/2013

Test Method
HISTORICAL ☐ FIELD TEST ☒ PROJECTED ☐ OTHER ☐

FORMATION	GAS	PERCENT	CONDENSATE	PERCENT
MESAVERDE		**49%**		**58%**
DAKOTA		**51%**		**42%**

JUSTIFICATION OF ALLOCATION: **Fourth 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
Joey Hewitt	7-25-14	Geo	564-7740
X	7/23/14	Engineer	505-599-4081
Stephen Read			
X Shara Graham	7/18/14	Engineering Tech.	505-326-9819
Shara Graham			

NMOCD

COMPOSITIONAL ALLOCATION FORM

COMPANY: CONOCOPHILLIPS

WELL INFORMATION

LOCATION:	NM026N09W001L	Downhole
WELLNAME:	Huerfanito 87N	
API NUMBER:	3004534872	
LEASE NUMBER:	SF-078135	
COUNTY/ STATE	San Juan, NM	
FORMATIONS	MV/DK (BLANCO MESAVERDE/ BASIN DAKOTA)	
DHC # APPROVAL	DHC3141AZ	
ALLOCATION NUMBER	4	

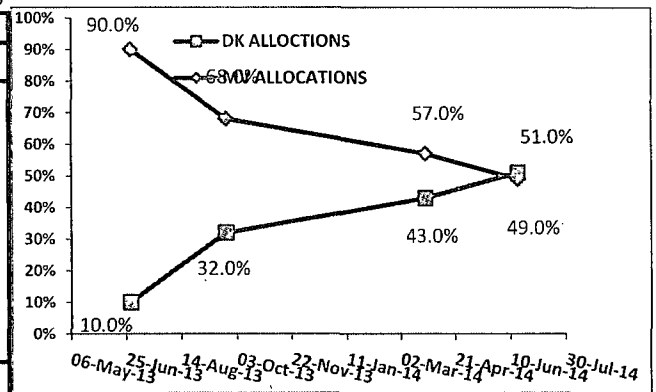
SAMPLE DATA

ANALYSIS FROM: Gas Analysis Service (Phone 505-5998998)

ANALYSIS REF NUMBER: CP140518 06/29/13

SAMPLE DATE: 6/16/2014

COMPONENT	MOLE %	NORM HC %	BTU
NITROGEN	0.79		
CO2	0.77		
METHANE	77.91	79.1%	786.89
ETHANE	10.45	10.6%	184.93
PROPANE	5.54	5.63%	139.44
I-BUTANE	1.15	1.2%	37.23
N-BUTANE	1.63	1.7%	53.25
I-PENTANE	0.71	0.7%	28.40
N-PENTANE	0.51	0.5%	20.44
HEXANE PLUS	0.54	0.6%	28.57
	100.000		1294.91
HYDROCARBON	98.440		



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	76.79%	81.88%	11.17%	10.70%	7.45%	4.24%	3.23%	1.92%
Confidence ratio*	8.0		1.0		7.95		3.9	

*(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*	54.0%	46.0%	Low Conf	Low Conf	43%	57%	Low Conf	Low Conf

Calculated using formulas below

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

CENTRAL MEMBER*

CONF RATIO	COMP
8.0	C1

CM ALLOC	
MV	DK
54%	46%

*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	54.000%
C2	
C3	43.000%
C4	

OFFICIAL GAS ALLOC	
MV	DK
49.0%	51.0%
Oil	Oil
58%	42%

* Oil allocation based on Historical yields

* If both are zero then Oil alloc= Gas alloc

SIGNATURES

NAME	TITLE	DATE	SIGNATURE