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OIL CONS. DIV DIST. 3 **BURLINGTON**
RESOURCES

Farmington Field Office
Bureau of Land Management

OCT 01 2015

PRODUCTION ALLOCATION FORM

Status
PRELIMINARY
FINAL
REVISED 5th Allocation

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

Date: 9/10/2015
API No. 30-045-34872
DHC No. DHC3141AZ
Lease No. SF-078135
Federal

Well Name
Huerfanito Unit

Well No.
#87N

Unit Letter Surf- L	Section 1	Township T026N	Range R009W	Footage 1432' FSL & 382' FWL	County, State San Juan County, New Mexico
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Completion Date 7/10/2013	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		10%		14%
DAKOTA		90%		86%

JUSTIFICATION OF ALLOCATION: **5th 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>William Tambekou</i>	<i>9/28/2015</i>	<i>Petroleum Engineer</i>	<i>505-564-7746</i>
<i>X Ephraim Schofield</i>	<i>9-10-15</i>	Engineer	505-326-9826
Ephraim Schofield			

NMOCD

pc 2

COMPOSITIONAL ALLOCATION FORM

COMPANY: CONOCOPHILLIPS

WELL INFORMATION

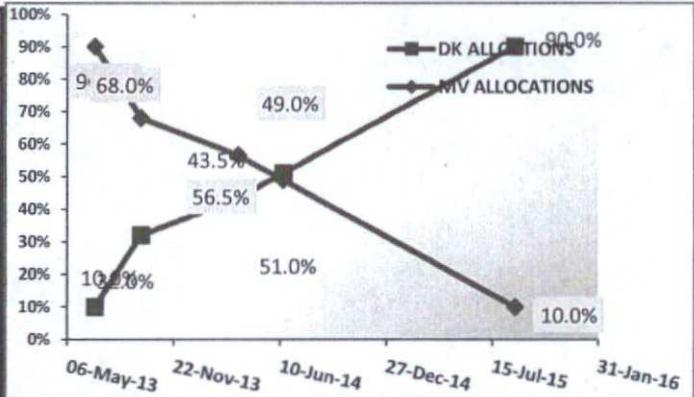
LOCATION: NM026N09W001L Downhole
WELLNAME: Huerfanito 87N
API NUMBER: 3004534872
LEASE NUMBER: SF-078135
COUNTY/ STATE: San Juan, NM
FORMATIONS: MV/DK (BLANCO MESAVERDE/ BASIN DAKOTA)
DHC # APPROVAL: DHC3141AZ
ALLOCATION NUMBER: 5

SAMPLE DATA

ANALYSIS FROM: Gas Analysis Service (Phone 505-5998998)
ANALYSIS REF NUMBER: CP150502 06/29/13

SAMPLE DATE: 8/26/2015

COMPONENT	MOLE %	NORM HC %	BTU
NITROGEN	0.91		
CO2	1.34		
METHANE	79.28	81.1%	800.73
ETHANE	11.28	11.5%	199.56
PROPANE	4.31	4.41%	108.39
I-BUTANE	0.87	0.9%	28.15
N-BUTANE	0.86	0.9%	28.19
I-PENTANE	0.28	0.3%	11.32
N-PENTANE	0.19	0.2%	7.78
HEXANE PLUS	0.68	0.7%	35.84
100.000			1242.69
HYDROCARBON	97.751		



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

Allocations*	MV	DK	MV	DK	MV	DK	MV	DK
		15.0%	85.0%	Low Conf	Low Conf	5%	95%	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
15%	85%

*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	15.000%
C2	
C3	5.000%
C4	

OFFICIAL GAS ALLOC	
MV	DK
10.0%	90.0%
Oil*	Oil*
14%	86%

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

SIGNATURES

NAME	TITLE	DATE	SIGNATURE
<u>Ephraim Schofield</u>	<u>Reservoir Engineer</u>	<u>9-10-15</u>	<u>[Signature]</u>