Area: «TEAM»

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BURLINGTON RESOURCES

OIL CONS. DIV DIST. 3
NOV 21 2014

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Well File
Revised: March 9, 2006

PRODUCTION ALLOCATION FORM

Status
PRELIMINARY ☒
FINAL ☐
REVISED ☐

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

Date: **11/14/2014**

API No. **30-045-35187**

DHC No. **DHC3599AZ**

Lease No. **FEE**

Well Name: **Hudson**

Well No.: **#5M**

Unit Letter	Section	Township	Range	Footage	County, State
Surf- C **BH- D**	**17** **17**	**T031N** **T031N**	**R010W** **R010W**	**893' FNL & 1587' FWL** **1172' FNL & 671' FWL**	**San Juan County, New Mexico**

Completion Date: **11/14/2014**

Test Method
HISTORICAL ☐ FIELD TEST ☒ PROJECTED ☐ OTHER ☐

FORMATION	GAS	PERCENT	CONDENSATE	PERCENT
MESAVERDE		**30%**		**88%**
DAKOTA		**70%**		**12%**

JUSTIFICATION OF 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
Joe Hewitt	11-19-14	Geo	564-7740
X [signature]		Engineer	505-326-9826
Ephraim Schofield			
X [signature]		Engineering Tech.	505-326-9520
David Valdez			

2 Federal leases in W/2 of sec 17
NMSF-078604
NMSF-078134

NMOCD

file in lease NMSF-078604 NW/4

KP

COMPOSITIONAL ALLOCATION FORM

COMPANY: CONOCOPHILLIPS

WELL INFORMATION

LOCATION:	NM031N10W017D	Downhole
WELLNAME:	Hudson 5M	
API NUMBER:	3004535187	
LEASE NUMBER:		
COUNTY/ STATE	San Juan, NM	
FORMATIONS	MV/DK (BLANCO MESAVERDE/ BASIN DAKOTA)	
DHC # APPROVAL	DHC3599AZ	
ALLOCATION NUMBER	1	

OIL CONS. DIV DIST. 3

NOV 21 2014

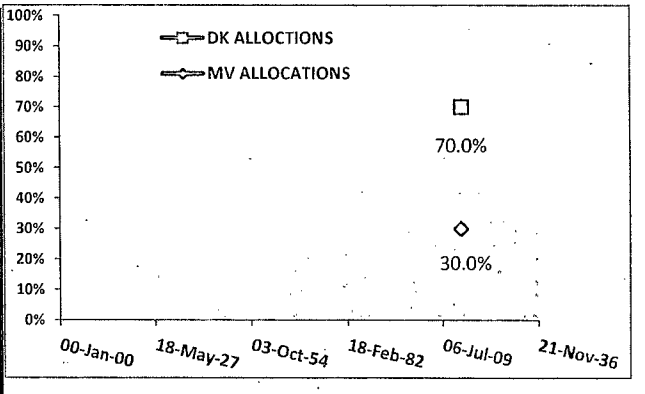
SAMPLE DATA

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

ANALYSIS REF NUMBER: CP140834 11/14/14

SAMPLE DATE: 11/14/2014

COMPONENT	MOLE %	NORM HC %	BTU
NITROGEN	20.18		
CO2	1.58		
METHANE	72.63	92.8%	733.53
ETHANE	3.29	4.2%	58.30
PROPANE	1.11	1.42%	27.95
I-BUTANE	0.25	0.3%	8.23
N-BUTANE	0.27	0.3%	8.91
I-PENTANE	0.12	0.2%	4.80
N-PENTANE	0.08	0.1%	3.17
HEXANE PLUS	0.48	0.6%	25.30
	100.000		1089.99
HYDROCARBON	78.237		



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	83.96%	97.69%	9.29%	1.73%	4.06%	0.28%	1.74%	0.15%
Confidence ratio*	18.9		30.5		25.23		11.0	

*(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*	35.0%	65.0%	33%	67%	30%	70%	22%	78%

*Calculated using formulas below

MV ALLOC= DKendP-Mix / DKendP-MVendP

DK ALLOC= Mix-MVPend / DKendP-MVendP

CENTRAL MEMBER*

CONF RATIO	COMP
30.5	C2
CM ALLOC	
MV	DK
33%	67%

*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	35.000%
C2	33.000%
C3	30.000%
C4	22.000%

OFFICIAL GAS ALLOC	
MV	DK
30.0%	**70.0%**
Oil*	Oil*
88%	**12%**

* Oil allocation based on Historical yields

* If both are zero then Oil alloc= Gas alloc

SIGNATURES

NAME	TITLE	DATE	SIGNATURE