

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 ☒ 3rd

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

Date: 7/15/2015

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	17	T031N	R010W	893' FNL & 1587' FWL	San Juan County, New Mexico
BH- D	17	T031N	R010W	1172' FNL & 671' FWL	

Completion Date  <b>11/14/2014</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>44%</b>		<b>93%</b>
<b>DAKOTA</b>		<b>56%</b>		<b>7%</b>

JUSTIFICATION OF ALLOCATION: 3<sup>rd</sup> 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 monthsp 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 	7-15-15	Engineer	505-326-9826
Ephraim Schofield			

PC  
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# COMPOSITIONAL ALLOCATION FORM

**COMPANY: CONOCOPHILLIPS**

## WELL INFORMATION

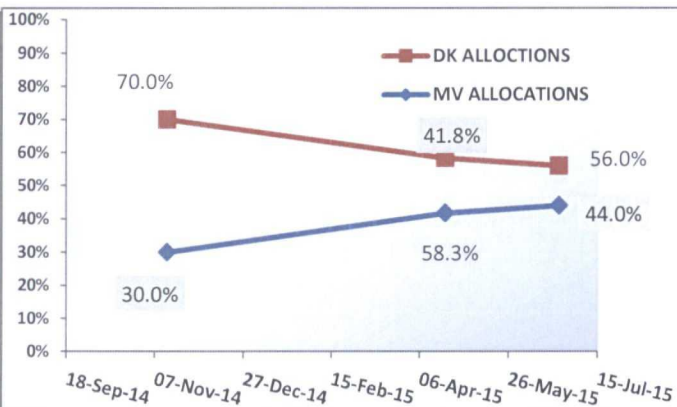
LOCATION: NM031N10W017D Downhole  
 WELLNAME: Hudson 5M  
 API NUMBER: 3004535187  
 LEASE NUMBER:  
 COUNTY/ STATE: San Juan, NM  
 FORMATIONS: MV/DK (BLANCO MESAVERDE/ BASIN DAKOTA)  
 DHC # APPROVAL: DHC3599AZ  
 ALLOCATION NUMBER: 3

## SAMPLE DATA

ANALYSIS FROM: Gas Analysis Service (Phone 505-5998998)  
 ANALYSIS REF NUMBER: CP150395 11/14/14

SAMPLE DATE: 6/23/2015

COMPONENT	MOLE %	NORM HC %	BTU
NITROGEN	0.64		
CO2	1.83		
METHANE	88.87	91.1%	897.55
ETHANE	4.91	5.0%	86.86
PROPANE	1.92	1.97%	48.36
I-BUTANE	0.41	0.4%	13.43
N-BUTANE	0.52	0.5%	17.10
I-PENTANE	0.21	0.2%	8.28
N-PENTANE	0.15	0.2%	6.01
HEXANE PLUS	0.54	0.6%	28.52
	100.000		1131.04
HYDROCARBON	97.531		



## 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*	48.0%	52.0%	44%	56%	45%	55%	38%	62%

\*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
44%	56%

\*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	48.000%
C2	44.000%
C3	45.000%
C4	38.000%

## OFFICIAL GAS ALLOC

MV	DK
44.0%	56.0%
Oil*	Oil*
93%	7%

\* Oil allocation based on Historical yields

\* If both are zero then Oil alloc= Gas alloc

## SIGNATURES

NAME: Ephraim Schofield TITLE: Reservoir Engineer DATE: 7-15-15 SIGNATURE: [Signature]