

BURLINGTON RESOURCES

NOV 13 2014

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Well File

Revised: March 9, 2006

PRODUCTION ALLOCATION FORM

OIL CONS. DIV DIST. 3

Commingle Type
SURFACE ☐ DOWNHOLE ☒

Type of Completion
NEW DRILL ☒ RECOMPLETION ☐ PAYADD ☐ COMMINGLE ☐

NOV 18 2014

Status
PRELIMINARY ☒
FINAL ☐
REVISED ☒ 2nd Allocation

Date: 10/28/2014

API No. 30-045-35121

DHC No. DHC3590AZ

Lease No. SF-079937

Federal

Well Name
Turner Hughes

Well No.
#16N

Unit Letter C	Section 11	Township T027N	Range R009W	Footage 1245' FNL & 1965' FWL
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County, State
San Juan County,
New Mexico

Completion Date 3/16/2012	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		15%		12%
DAKOTA		85%		88%

JUSTIFICATION OF ALLOCATION: **Second 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. This well was Completed 3/16/2012, but not First Delivered until now.

APPROVED BY	DATE	TITLE	PHONE
<i>Joe Hewitt</i>	11-14-14	Geo	514-7740
<i>Erica Herring</i>	11.16.14	Engineer	505-326-9854
Erica Herring			
<i>Shara Graham</i>	11/11/14	Engineering Tech.	505-326-9819
Shara Graham			

NMOCD

COMPOSITIONAL ALLOCATION FORM

COMPANY: CONOCOPHILLIPS

WELL INFORMATION

LOCATION: NM027N09W011C Downhole
 WELLNAME: Turner Hughes 16N
 API NUMBER: 3004535121
 LEASE NUMBER: SF-079937
 COUNTY/ STATE: San Juan, NM
 FORMATIONS: MV/DK (BLANCO MESAVERDE/ BASIN DAKOTA)
 DHC # APPROVAL: DHC3590AZ
 ALLOCATION NUMBER: 2

OIL CONS. DIV DIST. 3

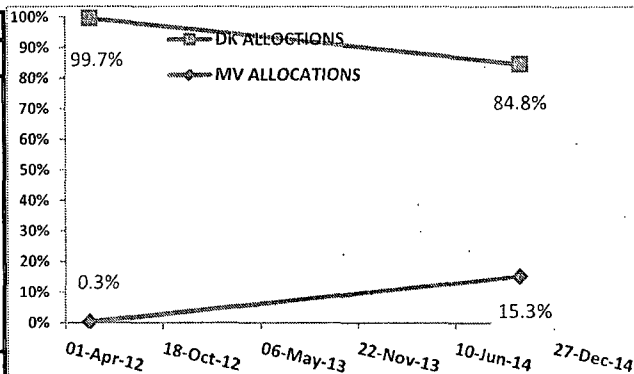
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SAMPLE DATA

ANALYSIS FROM: Gas Analysis Service (Phone 505-5998998)
 ANALYSIS REF NUMBER: CP140807 05/22/12

SAMPLE DATE: 10/21/2014

COMPONENT	MOLE %	NORM HC %	BTU
NITROGEN	0.76		
CO2	1.29		
METHANE	83.72	85.5%	845.61
ETHANE	7.92	8.1%	140.18
PROPANE	3.22	3.28%	80.92
I-BUTANE	0.69	0.7%	22.56
N-BUTANE	0.91	0.9%	29.56
I-PENTANE	0.39	0.4%	15.52
N-PENTANE	0.27	0.3%	10.82
HEXANE PLUS	0.84	0.9%	44.17
	100.000		1209.99
HYDROCARBON	97.957		



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	73.79%	88.41%	12.81%	7.37%	8.13%	2.21%	3.61%	1.08%
Confidence ratio*	22.5		12.0		16.61		7.6	

*(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*	20.0%	80.0%	13%	87%	18%	82%	10%	90%

*Calculated using formulas below

MV ALLOC= DKendP-Mix / DKendP-MVendP

DK ALLOC= Mix-MVPend / DKendP-MVendP

CENTRAL MEMBER*

CONF RATIO	COMP
22.5	C1
CM ALLOC	
MV	DK
20%	80%

*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	20.000%
C2	13.000%
C3	18.000%
C4	10.000%

OFFICIAL GAS ALLOC	
MV	DK
15.3%	84.8%
Oil	Oil
12%	88%

* Oil allocation based on Historical yields

* If both are zero then Oil alloc= Gas alloc

SIGNATURES

NAME	TITLE	DATE	SIGNATURE
_____	_____	_____	_____
_____	_____	_____	_____