OIL CONS. DIV DIST. 3

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 ☐

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

Date: **10/1/2009**

API No. **30-045-10770**
DHC No. **DHC1966AZ**
Lease No. **B-11017-28-NM**

Well Name
Brookhaven Com G

Well No.
#9

Unit Letter	Section	Township	Range	Footage	County, State
H	**16**	**T031N**	**R011W**	**1450' FNL & 1190' FEL**	**San Juan County, New Mexico**

Completion Date

Test Method
HISTORICAL ☐ FIELD TEST ☒ PROJECTED ☐ OTHER ☐

FORMATION	GAS	PERCENT	CONDENSATE	PERCENT
MESAVERDE		**95%**		**93%**
DAKOTA		**5%**		**7%**

JUSTIFICATION OF ALLOCATION: **Final.** These percentages are based upon compositional gas analysis tests from the Mesaverde and Dakota formations. Zonal contributions have stabilized as the well has been commingled since 2005. No subsequent samples will be gathered. Condensate percentages are based upon the formation yields.

APPROVED BY	DATE	TITLE	PHONE
X Ephraim Schofield	7-15-15	Engineer	505-326-9826
Ephraim Schofield			

2

COMPOSITIONAL ALLOCATION FORM

COMPANY: CONOCOPHILLIPS — **FINAL REPORT**

WELL INFORMATION

LOCATION:	NM031N11W016H	Downhole
WELLNAME:	Brookhaven Com G 9	
API NUMBER:	3004510770	
LEASE NUMBER:		
COUNTY/ STATE	San Juan, NM	
FORMATIONS	MV/DK (BLANCO MESAVERDE/ BASIN DAKOTA)	
DHC # APPROVAL		
ALLOCATION NUMBER	1FINAL REPORT	FINAL REPORT

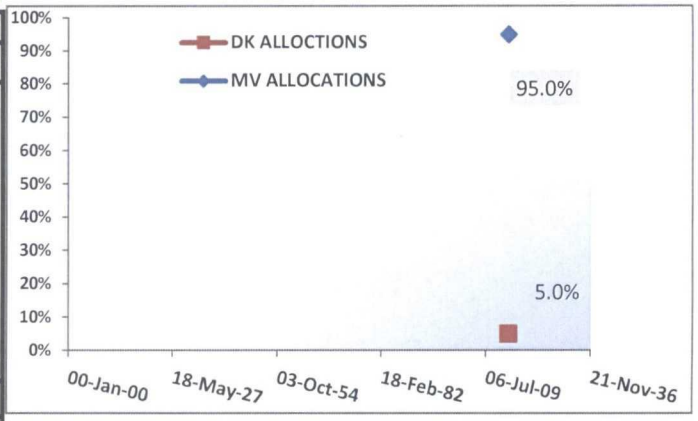
SAMPLE DATA

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

ANALYSIS REF NUMBER: CP150306 06/18/15

SAMPLE DATE: 6/18/2015

COMPONENT	MOLE %	NORM HC %	BTU
NITROGEN	0.27		
CO2	1.24		
METHANE	81.20	82.4%	820.12
ETHANE	9.34	9.5%	165.21
PROPANE	4.17	4.24%	105.02
I-BUTANE	0.70	0.7%	22.76
N-BUTANE	1.34	1.4%	43.56
I-PENTANE	0.48	0.5%	19.04
N-PENTANE	0.39	0.4%	15.47
HEXANE PLUS	0.89	0.9%	46.97
	100.000		1253.33
HYDROCARBON	98.497		



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	82.91%	90.78%	9.51%	5.50%	4.33%	1.95%	1.95%	0.96%
Confidence ratio*	11.3		11.9		10.95		5.1	

*(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*	106.0%	-6.0%	99%	1%	96%	4%	89%	11%

*Calculated using formulas below	
MV ALLOC=	DKendP-Mix / DKendP-MVendP
DK ALLOC=	Mix-MVPend / DKendP-MVendP

CENTRAL MEMBER*

CONF RATIO	COMP
11.9	C2
CM ALLOC	
MV	DK
99%	1%

*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	
C2	99.000%
C3	96.000%
C4	89.000%

OFFICIAL GAS ALLOC	
MV	DK
95.0%	5.0%
Oil*	Oil*
93%	7%

* Oil allocation based on Historical yields

* If both are zero then Oil alloc= Gas alloc

SIGNATURES

NAME	TITLE	DATE	SIGNATURE
Ephraim Schofield	Reservoir Engineer	7-7-15	