

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. 30-045-11222

DHC No. DHC1384

Lease No. FEE

Well Name

Culpepper Martin

Well No.

#13

Unit Letter

N

Section

29

Township

T032N

Range

R012W

Footage

990' FSL & 1760' FWL

County, State

San Juan County,

New Mexico

Completion Date

Test Method

HISTORICAL ☐ FIELD TEST ☒ PROJECTED ☐ OTHER ☐

FORMATION

GAS

PERCENT

CONDENSATE

PERCENT

MESAVERDE

81%

7%

DAKOTA

19%

93%

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 1997. No subsequent samples will be gathered. Condensate percentages are based upon the formation yields.

APPROVED BY

DATE

TITLE

PHONE

X *Eph. Schofield*

7-14-15

Engineer

505-326-9826

Ephraim Schofield

R2

COMPOSITIONAL ALLOCATION FORM

COMPANY: CONOCOPHILLIPS

FINAL REPORT

WELL INFORMATION

LOCATION: NM032N12W029N Downhole
 WELLNAME: Culpepper Martin 13
 API NUMBER: 3004511222
 LEASE NUMBER:
 COUNTY/ STATE: San Juan, NM
 FORMATIONS: MV/DK (BLANCO MESAVERDE/ BASIN DAKOTA)
 DHC # APPROVAL
 ALLOCATION NUMBER: 1FINAL REPORT

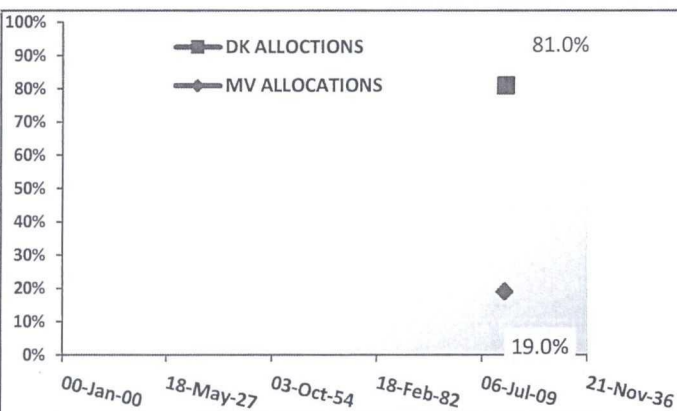
FINAL REPORT

SAMPLE DATA

ANALYSIS FROM: Gas Analysis Service (Phone 505-5998998)
 ANALYSIS REF NUMBER: CP150307 06/18/15

SAMPLE DATE: 6/18/2015

COMPONENT	MOLE %	NORM HC %	BTU
NITROGEN	0.29		
CO2	1.79		
METHANE	83.34	85.1%	841.78
ETHANE	9.31	9.5%	164.79
PROPANE	3.20	3.26%	80.41
I-BUTANE	0.58	0.6%	18.79
N-BUTANE	0.70	0.7%	22.68
I-PENTANE	0.27	0.3%	10.60
N-PENTANE	0.17	0.2%	6.65
HEXANE PLUS	0.37	0.4%	19.40
	100.000		1186.07
HYDROCARBON	97.923		



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	82.04%	85.91%	10.13%	8.56%	4.41%	3.03%	2.05%	1.38%
Confidence ratio*	5.8		3.7		5.39		3.0	

*(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*	21.0%	79.0%	Low Conf	Low Conf	17%	83%	Low Conf	Low Conf

*Calculated using formulas below

MV ALLOC=

DKendP-Mix / DKendP-MVendP

DK ALLOC=

Mix-MVPend / DKendP-MVendP

CENTRAL MEMBER*

CONF RATIO	COMP
5.8	C1
CM ALLOC	
MV	DK
21%	79%

*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 21.000%
 C2
 C3 17.000%
 C4

OFFICIAL GAS ALLOC

MV	DK
19.0%	81.0%
Oil*	Oil*
7%	93%

* Oil allocation based on Historical yields

* If both are zero then Oil alloc= Gas alloc

SIGNATURES

NAME

Ephraim Schofield

TITLE

Reservoir Engineer

DATE

7-7-15

SIGNATURE

Ephraim Schofield