

OIL CONS. DIV DIST. 3

JUL 29 2014

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Revised: March 9, 2006

PRODUCTION ALLOCATION FORM JUL 25 2014

Status
PRELIMINARY ☐
FINAL ☒
REVISED

Date: 7/18/14

Commingle Type

SURFACE ☐ DOWNHOLE ☒

Type of Completion

NEW DRILL ☒ RECOMPLETION ☐ PAYADD ☐ COMMINGLE ☐

API No. 30-045-35262

DHC No. DHC3645AZ

Lease No. SF-078135

Federal

Well Name

Huerfanito Unit

Well No.

#98N

Unit Letter

Surf- I

BH-

Section

35

Township

T027N

Range

R009W

Footage

1675' FSL & 285' FEL

County, State

San Juan County,

New Mexico

Completion Date

4/19/2012

Test Method

HISTORICAL ☐ FIELD TEST ☒ PROJECTED ☐ OTHER ☐

FORMATION

MESAVERDE

GAS

PERCENT

96%

CONDENSATE

PERCENT

98%

DAKOTA

4%

2%

JUSTIFICATION OF ALLOCATION: **Final 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 Z...

7-25-14

Geo

564-7740

X

7/23/14

Engineer

505-599-4081

Steve Read

X

7/14/18

Engineering Tech.

505-326-9819

Shara Graham

NMOCD

COMPOSITIONAL ALLOCATION FORM

COMPANY: CONOCOPHILLIPS

FINAL REPORT

WELL INFORMATION

LOCATION: NM027N09W0351 Downhole
WELLNAME: Huerfanito 98N
API NUMBER: 3004535262
LEASE NUMBER: SF-078135
COUNTY/ STATE: San Juan, NM
FORMATIONS: MV/DK (BLANCO MESAVERDE/ BASIN DAKOTA)
DHC # APPROVAL: DHC3645AZ
ALLOCATION NUMBER: 8

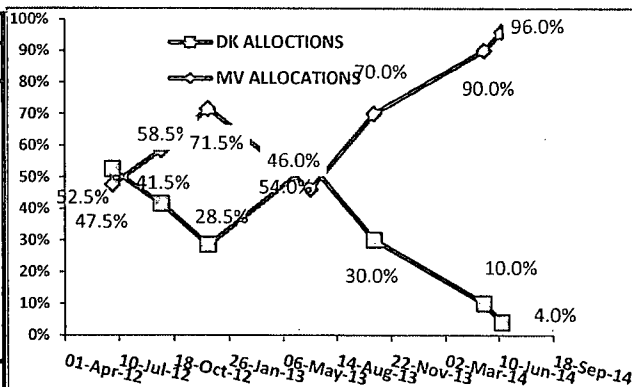
FINAL REPORT

SAMPLE DATA

ANALYSIS FROM: Gas Analysis Service (Phone 505-5998998)
ANALYSIS REF NUMBER: CP140519 04/18/12

SAMPLE DATE: 6/16/2014

COMPONENT	MOLE %	NORM HC %	BTU
NITROGEN	1.44		
CO2	0.80		
METHANE	75.76	77.5%	765.14
ETHANE	10.59	10.8%	187.42
PROPANE	6.18	6.32%	155.39
I-BUTANE	1.21	1.2%	39.21
N-BUTANE	1.81	1.9%	59.09
I-PENTANE	0.66	0.7%	26.56
N-PENTANE	0.50	0.5%	19.96
HEXANE PLUS	1.06	1.1%	56.03
	100.000		1331.39
HYDROCARBON	97.764		



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	79.08%	84.09%	10.65%	9.29%	6.44%	3.67%	2.72%	1.80%
Confidence ratio*	7.7		3.0		7.94		3.2	

*(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*	132.0%	-32.0%	Low Conf	Low Conf	96%	4%	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
7.9	C3
CM ALLOC	
MV	DK
96%	4%

*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
 C3 96.000%
 C4

OFFICIAL GAS ALLOC	
MV	DK
96.0%	4.0%
Oil	Oil
98%	2%

* Oil allocation based on Historical yields

* If both are zero then Oil alloc= Gas alloc

SIGNATURES

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

COMPOSITIONAL ALLOCATION FORM

COMPANY: CONOCOPHILLIPS

WELL INFORMATION

LOCATION: NM027N09W0351 Downhole
 WELLNAME: Huerfano 98N
 API NUMBER: 3004535262
 LEASE NUMBER: SF-078135
 COUNTY/ STATE: Rio arriba, NM
 FORMATIONS: MV/DK (BLANCO MESAVERDE/ BASIN DAKOTA)
 DHC # APPROVAL: DHC3645AZ
 ALLOCATION NUMBER: 7

SAMPLE DATA

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

ANALYSIS REF NUMBER: CP140401

SAMPLE DATE: 5/14/2014

COMPONENT	MOLE %	NORM HC %	BTU
NITROGEN	1.562		
CO2	0.810		
METHANE	76.497	78.4%	773.38
ETHANE	10.597	10.9%	188.94
PROPANE	6.024	6.2%	154.94
I-BUTANE	1.141	1.2%	36.80
N-BUTANE	1.641	1.7%	52.92
I-PENTANE	0.543	0.6%	21.62
N-PENTANE	0.382	0.4%	15.21
HEXANE PLUS	0.803	0.8%	37.48
	100.000		1281.29
HYDROCARBON	97.628		

FROM LAB (MIXED GAS)

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	79.08%	84.09%	10.65%	9.29%	6.44%	3.67%	2.72%	1.80%
Confidence ratio*	7.7		3.0		7.9		3.2	

*(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*	114%	-14%	Low Conf	Low Conf	90%	10%	Low Conf	Low Conf

Calculated using formulas below

MV ALLOC=

DKendP-Mix / DKendP-MVendP

DK ALLOC=

Mix-MVPend / DKendP-MVendP

87.6 CENTRAL MEMBER*

CONF RATIO	COMP
7.9	C3
CM ALLOC	
MV	DK
90%	10%

*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

15% Check MV ALL
 C1
 C2
 C3 90.00%
 C4

OFFICIAL GAS ALLOC

MV	DK
90.0%	10.0%
Oil	Oil
96%	4%

* Oil allocation based on Historical yields

* If both are zero then Oil alloc= Gas alloc

SIGNATURES

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

COMPOSITIONAL ALLOCATION FORM

COMPANY: CONOCOPHILLIPS

WELL INFORMATION

LOCATION: NM027N09W0351 Downhole
WELLNAME: Huerfanito 98N
API NUMBER: 3004535262
LEASE NUMBER: SF-078135
COUNTY/ STATE: Rio arriba, NM
FORMATIONS: MV/DK (BLANCO MESAVERDE/ BASIN DAKOTA)
DHC # APPROVAL: DHC3645AZ
ALLOCATION NUMBER: 6

SAMPLE DATA

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

ANALYSIS REF NUMBER: CP130847

SAMPLE DATE: 10/22/2013

COMPONENT	MOLE %	NORM HC %	BTU
NITROGEN	1.58		
CO2	0.89		
METHANE	77.26	79.2%	781.06
ETHANE	10.15	10.4%	181.01
PROPANE	5.46	5.6%	140.35
I-BUTANE	1.15	1.2%	36.96
N-BUTANE	1.61	1.6%	51.76
I-PENTANE	0.63	0.6%	25.00
N-PENTANE	0.46	0.5%	18.23
HEXANE PLUS	0.83	0.8%	38.50
	100.000		1272.88
HYDROCARBON	97.527		

FROM LAB (MIXED GA)

FROM STAND ALONE WELLS OR REAL TIME DATA

END POINTS INFORMATION

END POINTS INFORMATION	METHANE		ETHANE		PROPANE		TOTAL BUTANE	
	C1MV	C1DK	C2MV	C2DK	C3MV	C3DK	C4MV	C4DK
CONCENTRATION	79.08%	84.09%	10.65%	9.29%	6.44%	3.67%	2.72%	1.80%
Confidence ratio*	7.7		3.0		7.9		3.2	

*(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*	97%	3%	Low Conf	Low Conf	70%	30%	Low Conf	Low Conf

*Calculated using formulas below

MV ALLOC= DKendP-Mix / DKendP-MVendP

DK ALLOC= Mix-MVPend / DKendP-MVendP

87.6 CENTRAL MEMBER*

CONF RATIO	COMP
7.9	C3
CM ALLOC	
MV	DK
70%	30%

*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

15% Check MV ALL
 C1
 C2
 C3 70%
 C4

OFFICIAL GAS ALLOC	
MV	DK
70.0%	30.0%
OIL	OIL
86%	14%

* Oil allocation based on Historical yields

* If both are zero then Oil alloc= Gas alloc

SIGNATURES

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

COMPOSITIONAL ALLOCATION FORM

COMPANY: CONOCOPHILLIPS

WELL INFORMATION

LOCATION: NM027N09W035I Downhole
 WELLNAME: Huerfanito 98N
 API NUMBER: 3004535262
 LEASE NUMBER: SF-078135
 COUNTY/ STATE: Rio arriba, NM
 FORMATIONS: MV/DK (BLANCO MESAVERDE/ BASIN DAKOTA)
 DHC # APPROVAL: DHC3645AZ
 ALLOCATION NUMBER: 5

SAMPLE DATA

ANALYSIS FROM: Gas Analysis Service (Phone 505-5998998)
 ANALYSIS REF NUMBER: CP130643

SAMPLE DATE: 6/25/2013

COMPONENT	MOLE %	NORM HC %	BTU
NITROGEN	1.69		
CO2	1.00		
METHANE	78.32	80.5%	791.79
ETHANE	9.74	10.0%	173.63
PROPANE	4.82	4.9%	123.84
I-BUTANE	1.08	1.1%	34.93
N-BUTANE	1.39	1.4%	44.89
I-PENTANE	0.61	0.6%	24.28
N-PENTANE	0.44	0.4%	17.36
HEXANE PLUS	0.92	0.9%	42.94
	100.000		1253.66
HYDROCARBON	97.312		

FROM LAB (MIXED GAS)

FROM STAND ALONE WELLS OR REAL TIME DATA

END POINTS INFORMATION

END POINTS INFORMATION	METHANE		ETHANE		PROPANE		TOTAL BUTANE	
	C1MV	C1DK	C2MV	C2DK	C3MV	C3DK	C4MV	C4DK
CONCENTRATION	79.08%	84.09%	10.65%	9.29%	6.44%	3.67%	2.72%	1.80%
Confidence ratio*	7.7		3.0		7.9		3.2	

*(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*	72%	28%	Low Conf	Low Conf	46%	54%	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
7.9	C3
CM ALLOC	
MV	DK
46%	54%

*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

15% Check MV ALL
 C1
 C2
 C3 46%
 C4

OFFICIAL GAS ALLOC

MV	DK
46.0%	54.0%
Oil	Oil
69%	31%

* Oil allocation based on Historical yields

* If both are zero then Oil alloc= Gas alloc

SIGNATURES

NAME	TITLE	DATE	SIGNATURE

COMPOSITIONAL ALLOCATION FORM

COMPANY: CONOCOPHILLIPS

WELL INFORMATION

LOCATION: NM027N09W035I Downhole
 WELLNAME: Huerfanito 98N
 API NUMBER: 3004535262
 LEASE NUMBER: SF-078135
 COUNTY/ STATE: Rio arriba, NM
 FORMATIONS: MV/DK (BLANCO MESAVERDE/ BASIN DAKOTA)
 DHC # APPROVAL: DHC3645AZ
 ALLOCATION NUMBER: 4

SAMPLE DATA

ANALYSIS FROM: Gas Analysis Service (Phone 505-5998998)
 ANALYSIS REF NUMBER: CP121029

SAMPLE DATE: 12/19/2012

COMPONENT	MOLE %	NORM HC %	BTU
NITROGEN	1.62		
CO2	0.64		
METHANE	78.69	80.5%	795.60
ETHANE	10.56	10.8%	188.27
PROPANE	5.54	5.7%	142.57
I-BUTANE	1.09	1.1%	35.06
N-BUTANE	1.10	1.1%	35.57
I-PENTANE	0.34	0.3%	13.38
N-PENTANE	0.19	0.2%	7.72
HEXANE PLUS	0.22	0.9%	10.45
	100.000		1228.61

FROM LAB (MIXED GAS)

FROM STAND ALONE WELLS OR REAL TIME DATA

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	79.08%	84.09%	10.65%	9.29%	6.44%	3.67%	2.72%	1.80%
Confidence ratio*	7.7		3.0		7.9		3.2	

*(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*	71%	29%	Low Conf	Low Conf	72%	28%	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
7.9	C3
CM ALLOC	
MV	DK
72%	28%

*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

15% Check MV ALL
 C1 71%
 C2
 C3 72%
 C4

OFFICIAL GAS ALLOC

MV	DK
71.5%	28.5%
OIL	OIL
87%	13%

* Oil allocation based on Historical yields

* If both are zero then Oil alloc= Gas alloc

SIGNATURES

NAME TITLE DATE SIGNATURE

COMPOSITIONAL ALLOCATION FORM

COMPANY: CONOCOPHILLIPS

WELL INFORMATION

LOCATION: NM027N09W035I Downhole
WELLNAME: Huerfanito 98N
API NUMBER: 3004535262
LEASE NUMBER: SF-078135
COUNTY/ STATE: Rio arriba, NM
FORMATIONS: MV/DK (BLANCO MESAVERDE/ BASIN DAKOTA)
DHC # APPROVAL: DHC3645AZ
ALLOCATION NUMBER: 3

SAMPLE DATA

ANALYSIS FROM: Gas Analysis Service (Phone 505-5998998)
ANALYSIS REF NUMBER: CP120715

SAMPLE DATE: 9/25/2012

COMPONENT	MOLE %	NORM HC %	BTU
NITROGEN	1.93		
CO2	0.78		
METHANE	78.91	81.1%	797.74
ETHANE	10.12	10.4%	180.44
PROPANE	5.10	5.2%	131.22
I-BUTANE	1.04	1.1%	33.48
N-BUTANE	1.12	1.2%	36.15
I-PENTANE	0.37	0.4%	14.77
N-PENTANE	0.23	0.2%	9.16
HEXANE PLUS	0.41	0.4%	19.09
	100.000		1222.04
HYDROCARBON	97.297		

FROM LAB (MIXED GAS)

FROM STAND ALONE WELLS OR REAL TIME DATA

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	79.08%	84.09%	10.65%	9.29%	6.44%	3.67%	2.72%	1.80%
Confidence ratio*	7.7		3.0		7.9		3.2	

*(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*	60%	40%	Low Conf	Low Conf	57%	43%	Low Conf	Low Conf

*Calculated using formulas below

MV ALLOC= $\frac{DK_{endP-Mix}}{DK_{endP-MVendP}}$

DK ALLOC= $\frac{Mix-MVPend}{DK_{endP-MVendP}}$

CENTRAL MEMBER*

CONF RATIO	COMP
7.9	C3
CM ALLOC	
MV	DK
57%	43%

*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

15% Check MV ALL
 C1 60%
 C2
 C3 57%
 C4

OFFICIAL GAS ALLOC

MV	DK
58.5%	41.5%
OIL	OIL
79%	21%

* Oil allocation based on Historical yields

* If both are zero then Oil alloc= Gas alloc

SIGNATURES

NAME	TITLE	DATE	SIGNATURE

COMPANY: CONOCOPHILLIPS

WELL INFORMATION

LOCATION:	NM027N09W035I	Downhole
WELLNAME:	Huerfanito 98N	
API NUMBER:	3004535262	
LEASE NUMBER:	SF-078135	
COUNTY/ STATE	Rio arriba, NM	
FORMATIONS	MV/DK (BLANCO MESAVERDE/ BASIN DAKOTA)	
DHC # APPROVAL	DHC3645AZ	
ALLOCATION NUMBER	2	

SAMPLE DATA

ANALYSIS FROM: Gas Analysis Service (Phone 505-5998998)
ANALYSIS REF NUMBER: CP120509

SAMPLE DATE: 6/28/2012

COMPONENT	MOLE %	NORM HC %	BTU
NITROGEN	5.34		
CO2	0.89		
METHANE	76.32	81.4%	771.61
ETHANE	9.50	10.1%	169.33
PROPANE	4.50	4.8%	115.69
I-BUTANE	0.97	1.0%	31.22
N-BUTANE	1.08	1.1%	34.77
I-PENTANE	0.44	0.5%	17.44
N-PENTANE	0.28	0.3%	11.31
HEXANE PLUS	0.68	0.7%	31.64
	100.000		1182.99
HYDROCARBON	93.762		

FROM LAB (MIXED GAS)

FROM STAND ALONE WELLS OR REAL TIME DATA

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	79.08%	84.09%	10.65%	9.29%	6.44%	3.67%	2.72%	1.80%
Confidence ratio*	7.7		3.0		7.9		3.2	

*(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*	54%	46%	Low Conf	Low Conf	41%	59%	Low Conf	Low Conf

***Calculated using formulas below**

MV_ALLOC= DKendP-Mix / DKendP-MVendP

$$DK_ALLOC = \lceil \text{Mix-MVPend} / DKendP-MVendP \rceil$$

CENTRAL MEMBER*

CONF RATIO	COMP
7.9	C3
CM ALLOC	
MV	DK
41%	59%

*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

15% Check	MV ALL
C1	54%
C2	
C3	41%
C4	

OFFICIAL GAS ALLOC

MV 47.5%	DK 52.5%
Oil 70%	Oil 30%

* Oil allocation based on Historical yields

* If both are zero then Oil alloc= Gas alloc

SIGNATURES

NAME	TITLE	DATE	SIGNATURE
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COMPOSITIONAL ALLOCATION FORM

COMPANY: CONOCOPHILLIPS

WELL INFORMATION

LOCATION: NM027N09W035I Downhole
 WELLNAME: Huerfanito 98N
 API NUMBER: 3004535262
 LEASE NUMBER: SF-078135
 COUNTY/ STATE: Rio arriba, NM
 FORMATIONS: MV/DK (BLANCO MESAVERDE/ BASIN DAKOTA)
 DHC # APPROVAL: DHC3645AZ
 ALLOCATION NUMBER: 1

SAMPLE DATA

ANALYSIS FROM: Gas Analysis Service (Phone 505-5998998)
 ANALYSIS REF NUMBER: CP120191

SAMPLE DATE: 4/18/2012			
COMPONENT	MOLE %	NORM HC %	BTU
NITROGEN	18.50		
CO2	1.03		
METHANE	67.01	83.3%	677.47
ETHANE	7.74	9.6%	138.08
PROPANE	3.08	3.8%	79.14
I-BUTANE	0.68	0.8%	22.03
N-BUTANE	0.80	1.0%	25.93
I-PENTANE	0.36	0.4%	14.41
N-PENTANE	0.23	0.3%	9.20
HEXANE PLUS	0.56	0.7%	26.23
	100.000		992.48
HYDROCARBON	80.473		

FROM LAB (MIXED GAS)

FROM STAND ALONE WELLS OR REAL TIME DATA

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	79.08%	84.09%	10.65%	9.29%	6.44%	3.67%	2.72%	1.80%
Confidence ratio*	7.7		3.0		7.9		9.2	

*(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*	16%	84%	Low Conf	Low Conf	6%	94%	Low Conf	Low Conf

Calculated using formulas below

MV ALLOC= DKendP-Mix / DKendP-MVendP

DK ALLOC= Mix-MVPend / DKendP-MVendP

CENTRAL MEMBER*

CONFIDENCE RATIO	COMPONENT
7.9	C3
CM ALLOC	
MV	DK
6%	94%

*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

15% Check MV ALL
 C1 16%
 C2
 C3 6%
 C4

OFFICIAL GAS ALLOC	
MV	DK
11.0%	89.0%
24%	76%

* Oil allocation based on Historical yields

* If both are zero then Oil alloc= Gas alloc

SIGNATURES

NAME TITLE DATE SIGNATURE

DEC 10 2014

BURLINGTON RESOURCES

PRODUCTION ALLOCATION FORM

Distribution:
BLM 4 Copies
Regulatory
Accounting
Well File

Revised: March 9, 2006

Status

PRELIMINARY ☒FINAL ☐REVISED ☒ 6th Allocation

Commingle Type

SURFACE ☐ DOWNHOLE ☒

Type of Completion

NEW DRILL ☒ RECOMPLETION ☐ PAYADD ☐ COMMINGLE ☐

Date: 12/09/2014

API No. 30-039-31161

DHC No. DHC3741AZ

Lease No. E-5184-49

State

Well Name

San Juan 29-7 Unit

Well No.

#93C

Unit Letter

Surf- J

BH- F

Section

2

2

Township

T029N

T029N

Range

R007W

R007W

Footage

2636' FSL & 2206' FEL

2009' FNL & 1907' FWL

County, State

Rio Arriba County,

New Mexico

Completion Date

6/25/2013

Test Method

HISTORICAL ☐ FIELD TEST ☒ PROJECTED ☐ OTHER ☐

FORMATION

MESAVERDE

GAS

PERCENT

49%

CONDENSATE

PERCENT

86%

DAKOTA

51%

14%

JUSTIFICATION OF ALLOCATION: **Fifth 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.

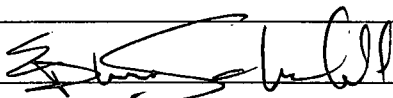
APPROVED BY

DATE

TITLE

PHONE

X

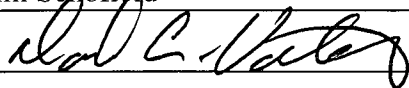


Engineer

505-326-9826

Ephraim Schofield

X



Engineering Tech.

505-326-9520

David C. Valdez