

SEP 15 2015

Farmington Field Office
Bureau of Land Management

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Regulatory
Accounting
Well File
Revised: March 9, 2006

OIL CONS. DIV DIST. 3 **BURLINGTON**
RESOURCES

OCT 01 2015

PRODUCTION ALLOCATION FORM

Status
PRELIMINARY
FINAL
REVISED 3RD

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

Date: 9/11/2015
API No. 30-045-35544
DHC No. DHC3894AZ
Lease No. SF-078487C

Well Name
Sunray

Well No.
#1M

Unit Letter	Section	Township	Range	Footage	County, State
Surf- A	5	T029N	R008W	999' FNL & 699' FEL	San Juan County, New Mexico
BH- H	5	T029N	R008W	1957' FNL & 705' FEL	

Completion Date: 1/19/15
Test Method: HISTORICAL FIELD TEST PROJECTED OTHER

FORMATION	GAS	PERCENT	CONDENSATE	PERCENT
MESAVERDE		57%		90%
DAKOTA		43%		10%

JUSTIFICATION OF ALLOCATION: 3RD 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
<i>William Tambekou</i>	09/28/2015	Petroleum Engineer	505-564-7746
X <i>Ephraim Schofield</i>	9/11/15	Engineer	505-326-9826
Ephraim Schofield			

NMOCD

COMPOSITIONAL ALLOCATION FORM

COMPANY: CONOCOPHILLIPS

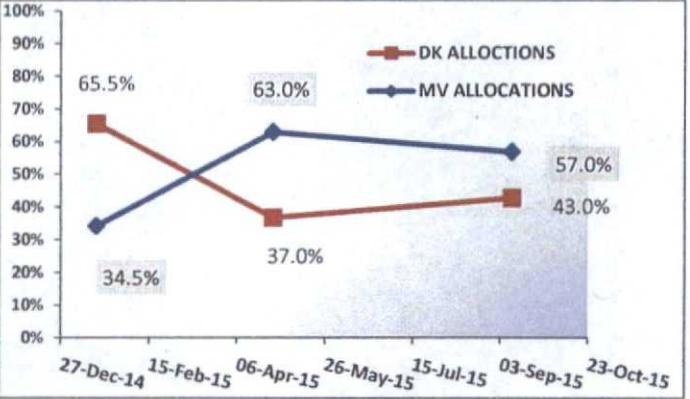
WELL INFORMATION

LOCATION: NM029N08W005A Downhole
WELLNAME: Sunray 1M
API NUMBER: 3004535544
LEASE NUMBER: SF-078487C
COUNTY/ STATE: San Juan, NM
FORMATIONS: MV/DK (BLANCO MESAVERDE/ BASIN DAKOTA)
DHC # APPROVAL: DHC3894AZ
ALLOCATION NUMBER: 3

SAMPLE DATA

ANALYSIS FROM: Gas Analysis Service (Phone 505-5998998)
ANALYSIS REF NUMBER: CP150504 01/17/15

COMPONENT	MOLE %	NORM HC %	BTU
NITROGEN	0.67		
CO2	1.49		
METHANE	84.80	86.7%	856.44
ETHANE	7.19	7.4%	127.28
PROPANE	3.19	3.26%	80.29
I-BUTANE	0.78	0.8%	25.39
N-BUTANE	0.80	0.8%	26.04
I-PENTANE	0.33	0.3%	13.12
N-PENTANE	0.21	0.2%	8.30
HEXANE PLUS	0.55	0.6%	28.99
	100.000		1187.64
HYDROCARBON	97.843		



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	81.73%	93.14%	9.68%	4.78%	4.72%	0.94%	2.19%	0.54%
Confidence ratio*	16.3		15.1		19.34		8.4	

*(Endpoints diff / Observed Variance)

■ If red, Member Conf ratio too low to be used for allocation purposes

Allocations*	MV	DK	MV	DK	MV	DK	MV	DK
		57.0%	43.0%	52%	48%	61%	39%	37%

***Calculated using formulas below**

MV ALLOC= DKendP-Mix / DKendP-MVendP
DK ALLOC= Mix-MVPend / DKendP-MVendP

CENTRAL MEMBER*	
CONF RATIO	COMP
19.3	C3
CM ALLOC	
MV	DK
61%	39%

*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	57.000%
C2	52.000%
C3	61.000%
C4	

OFFICIAL GAS ALLOC	
MV	DK
57.0%	43.0%
Oil*	Oil*
90%	10%

* Oil allocation based on Historical yields
* If both are zero then Oil alloc= Gas alloc

SIGNATURES

NAME	TITLE	DATE	SIGNATURE
<u>Ephraim Schofield</u>	<u>Reservoir Engineer</u>	<u>9/11/15</u>	<u>[Signature]</u>