

12/7/2015 DATE IN	SUSPENSE	M A M ENGINEER	12/08/2015 LOGGED IN	DHC TYPE	PWAM153423303 APP NO.
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -
1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

- DHC 4785
- BP America Production Company
778

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☐ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☒ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

- well
- BLANCO A #1m
30-045-32441
Pool
- Otero Chacra (Gas)
8232 f
- BLANCO - in escurande
72319
- BLANCO - in escurande
7159 f

[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] CERTIFICATION: I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Toya Colvin

Print or Type Name

Toya Colvin
Signature

Regulatory Analyst

Title

12/02/15

Date

Toya.Colvin@bp.com
e-mail Address

District I
1625 N. French Drive, Hobbs, NM 88240

District II
811 S. First St., Artesia, NM 88210

District III
1000 Rio Brazos Road, Aztec, NM 87410

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-107A
Revised August 1, 2011

APPLICATION TYPE

☒ Single Well
☐ Establish Pre-Approved Pools
EXISTING WELLBORE
☒ Yes ☐ No

APPLICATION FOR DOWNHOLE COMMINGLING

BP America Production Company

737 North Eldridge Parkway, Houston, TX 77079

Operator

Address

Lease NMNM012201 (Federal Well) Well No. Blanco A 1M Unit Letter-Section-Township-Range G-36-28N-08W County San Juan, County

OGRID No. 000778 Property Code 000319 API No. 30-045-32441 Lease Type: ☒ Federal ☐ State ☐ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Otero Chacra	Blanco-Mesaverde	Basin Dakota
Pool Code	82329	72319	71599
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	3620'-3840' gross [new]	4250'-5101'	6949'-7190'
Method of Production (Flowing or Artificial Lift)	Artificial Lift	Artificial Lift	Artificial Lift
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	215 psig	235 psig	290 psig
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1172 BTU	1241.7 BTU	1241.7 BTU
Producing, Shut-In or New Zone	New Zone	Producing	Producing
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: Rates: See Attachment	Date: Rates: See Attachment	Date: Rates: See Attachment
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas 36 % 36 %	Oil Gas 50 % 50 %	Oil Gas 14 % 14 %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes ☒ No ☐
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes ☐ No ☐

Are all produced fluids from all commingled zones compatible with each other? Yes ☒ No ☐

Will commingling decrease the value of production? Yes ☐ No ☒

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? Yes ☒ No ☐

NMOCD Reference Case No. applicable to this well: Case No.12346; Order No. R-11363

Attachments:

- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation method or formula.
- Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
- Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Toya Colvin TITLE Regulatory Analyst DATE 12/02/2015

TYPE OR PRINT NAME Toya Colvin TELEPHONE NO. (281) 366-7148

E-MAIL ADDRESS Toya.Colvin@bp.com

Submit 1 Copy To Appropriate District
Office

District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-045-32441
1. Type of Well: Oil Well ☐ Gas Well ☒ Other		5. Indicate Type of Lease STATE ☐ FEE ☐
2. Name of Operator BP America Production Company		6. State Oil & Gas Lease No. Federal Well NMNM012201
3. Address of Operator 737 North Eldridge Parkway, 12.181A Houston, TX 77079		7. Lease Name or Unit Agreement Name Blanco A
4. Well Location Unit Letter <u>G</u> : <u>1785</u> feet from the <u>North</u> line and <u>1490</u> feet from the <u>East</u> line Section <u>36</u> Township <u>28N</u> Range <u>08W</u> NMPM County <u>San Juan</u>		8. Well Number 1M
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6218'		9. OGRID Number 000778
		10. Pool name or Wildcat Basin Dakota; Blanco-Mesaverde; Otero Chacra

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☒			
CLOSED-LOOP SYSTEM ☒			
OTHER: Recomplete to Chacra Formation ☒		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

BP America Production Company received approval to DHC the Basin Dakota & Blanco-Mesaverde in the subject well 01/25/2005 with DHC Order 1755. BP requests permission to re-perforate the existing Mesaverde, recomplete into the Otero Chacra, and tri-mingle production with the existing Basin Dakota.

The Basin Dakota (71599), Blanco-Mesaverde (72319), and Otero Chacra (82329) pools are pre-approved for commingle per NMOCD Case No.12346; Order No. R-11363 effective 04/26/2000. BP is the interest owner between these three pools, therefore no additional notification is required prior to Tri-Mingle approval. Please see attached Land Letter.

Production is proposed to be allocated based on a fixed percentage. Allocation will be as follows: Basin Dakota Gas 14% Oil 14% Water 14%, Blanco-Mesaverde Gas 50% Oil 50% Water 50%, Otero Chacra Gas 36% Oil 36% Water 36%. Please see attached documentation supporting our allocation.

Commingle production downhole in the subject well from the proposed pools will not reduce the value of the total remaining production.

Please see attached Tri-Mingle procedure, wellbore schematics & C-102 plats. BLM notified via 3160-5 form for Federal Lease NMNM012201

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Toya Colvin TITLE Regulatory Analyst DATE 12/02/2015

Type or print name Toya Colvin E-mail address: Toya.Colvin@bp.com PHONE: 281-366-7148

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

Blanco A 001M-MV/DK

API # 30-045-32441-00

Location: Unit G - Sec 36 - T28N - R08W

San Juan County, New Mexico

Reason/Background for Job

The proposed work is to pull the current completion, set a plug above the Mesaverde perforations, recomplete to the Chacra formation, and tri-mingle the Chacra, Mesaverde, and Dakota formations.

Basic job procedure

1. Pull tubing
2. Set 4-1/2" composite plug @ +/- 3850' KB
3. Perforate Chacra formation (+/- 3620'-3840'KB gross interval)
4. Fracture stimulate Chacra formation
5. Drill out/Clean out to PBTD
6. Run production tubing and downhole trimingle Chacra, Mesaverde, & Dakota
7. Land tubing @ +/- 6957' KB
8. Return well to production



Current WBD

BLANCO A 001M-MV/DK
 Mesaverde/Dakota
 API # 30-045-32441
 Sec 36G, T28N, R8W
 NEW MEXICO

Formation Tops

Chacra	3618'
Menefee	4426'
PT lookout	4910'
Mancos	5290'
Greenhorn	6833'
Graneros	6891'
Twovells	6943'
Paguate	7025'
Upper Cubert	7063'
Enchinal Cany	7132'
Burro Canyon	7215'

DEPTH	DEVIATION
200'	1.00
600'	1.25
1376'	0.50
1600'	0.75
2365'	0.50

Tubing Details

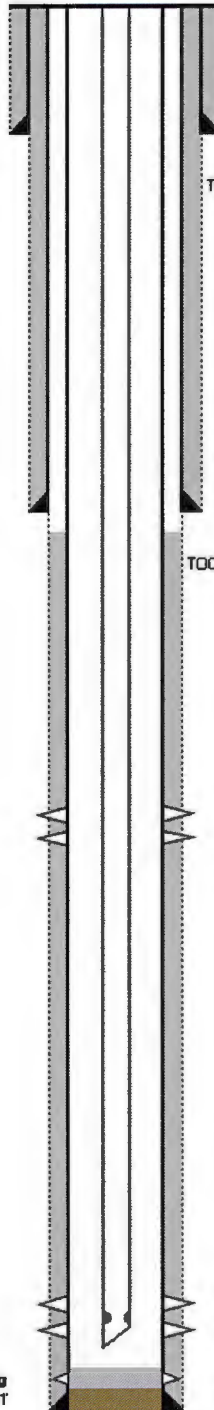
2-3/8", 4.7#, J-55 @ 7141'

Nipple Data

Stop @ 7132' w/ 2/8" X-nipple @ 7137'

End of Tubing
7141'

GL: 6218'
KB: 12'



TOC: Surface (top off 55'-surface w/ 30sxs omt via T'pipe)

Surface Casing Data

12-1/4" Hole
 9-5/8", 32.3#, H-40 ST&C @ 217'
 160 sxs Type 1-2 omt w/ 20% flyash

TOC: Surface (okro. 20 bbls omt)

Intermediate Casing Data

8-3/4" Hole
 7", 20#, J-55 ST&C @ 3014'
 282 sxs lite, tail w/ 65 sxs poz omt

TOC: 3050' (CBL 5/16/05)

Mesaverde Intervals

4250'-4428' gross (2spl, 140 holes), frac w/ 135k# snd & 45Q N2 foam (2008)
 4517'-4795' gross (4spz, 60 holes), frac w/ 69,990# 20/40 Brady snd & 70Q N2 foam
 4848'-5101' gross (2-4spz, 61 holes), frac w/ 95k# 20/40snd (25,599# w/ propnet) & 70Q N2 foam

Dakota Intervals

6949'-7190' gross (3spz, 60 holes)
 frac w/ 142,069# 20/40 C-lite snd (40,143# w/ Propnet), 525 bbl 65Q N2 foam

Production Casing Data

6-1/4" Hole
 4-1/2", 11.6#, J-55 LT&C @ 7289'
 (Marker js @ 4192' & 6808')
 155 sxs Litecrete, tail w/ 186 sxs 50/50 poz ois G omt (omt through csg perfs @ 7260')

Updated 11/10/15 JJW

Proposed WBD



BLANCO A 001M-CH/MW/DK

Chacra / Moravordo / Dakota
API# 30-045-32441
Sec 36G, T28N, R9W
NEW MEXICO

Formation Top

Chacra	3610'
Monafco	4426'
PT lookout	4910'
Moncar	5290'
Greenhorn	6033'
Granor	6891'
Tunuello	6943'
Pequeto	7025'
Upper Cubors	7063'
Escinal Canyon	7132'
Burra Canyon	7215'

DEPTH	DEVIATION
299'	1.00
838'	1.25
1376'	0.50
1800'	0.75
2298'	0.90

Tubing Details

2-3/8", 4.7#, J-55 @ 6957'

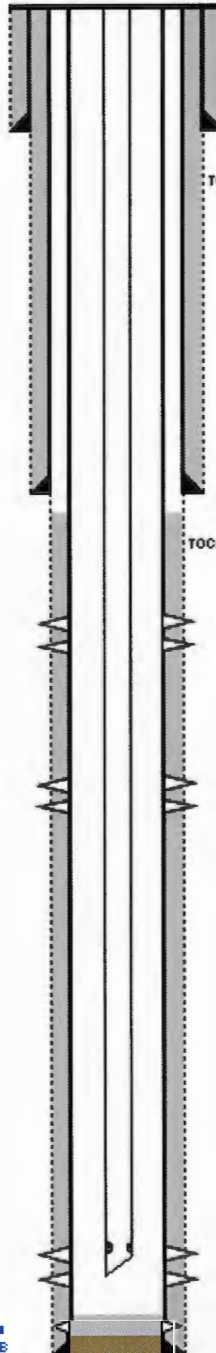
Nipple Data

Plunger Stop in F-nipple
F-nipple @ +/- 6954'

End of Tubing
6957' KB

Updated 11/16/15 JJW

GL: 6218'
KB: 12'



TOC: Surface (top off 55'-surface w/ 30'x 6'x 1" pipe)

Surface Casing Data

12-1/4" U.L.
9-5/8", 32.3#, H-40 ST&C @ 217'
160'x 2" Type 1-2 cmt w/ 20% flyash

TOC: Surface (circa 20' bbl cmt)

Intermediate Casing Data

6-2 1/4" U.L.
7", 20#, J-55 ST&C @ 3014'
282'x 2" lite, tall w/ 65'x 2" pax cmt

TOC: 3050' (CBL 5/16/05)

Chacra Interval

+/- 3620'-3840'

Moravordo Interval

4250'-4428' quartz (2xpf, 140 halar), frac w/ 135k @ 2nd & 45Q H2 foam [2008]
4517'-4795' quartz (4xpf, 60 halar), frac w/ 69,990 @ 20/40 Bradyrd & 70Q H2 foam
4848'-5101' quartz (2-4xpf, 61 halar), frac w/ 95k @ 20/40rd (25,599 @ w/ propnet) & 70Q H2 foam

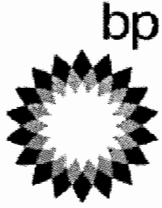
Dakota Interval

6949'-7190' quartz (2xpf, 60 halar)
frac w/ 142,000 @ 20/40 C-lite rd (40,143 @ w/ Propnet), 525 lb 165Q H2 foam

Production Casing Data

4-1/2" U.L.
4-1/2", 11.6#, J-55 LT&C @ 7289'
(Marker [tr @ 4192' & 4804']
155'x 2" Lite rd, tall w/ 106'x 2" 50/50 pax c/c G cmt (cmt through arq ports @ 7260')

PBD: 7240'
Total Depth: 7291'



BP America Production Co.
Lower 48 Onshore

Craig T. Ferguson
craig.ferguson@bp.com
281-366-1988 (direct)

E3, 12.173B
737 N. Eldridge Parkway
Houston, Texas 77079

November 16, 2015

Ms. Toya Colvin – Regulatory Analyst
BP America Production Company
737 N. Eldridge Parkway
Houston, TX 77079

RE: Blanco A 001M MV/DK/CHACRA – Trimingle Application
Section 36-T28N-R8W
San Juan County, NM
API #30-045-32441

Ms. Colvin:

I have reviewed BP America Production Company's division order records and other BP files concerning the above captioned well by comparing interest records for the Mesa Verde formation against the interest records for the Dakota formation and the Chacra formation in the N/2 of Section 36-T28N-R8W. This review indicated that ownership in the Mesa Verde, Dakota and Chacra formations are as follows:

Mesa Verde & Dakota – N/2 Section 36-T28N-R8W (320.0 acres)

BP America Production Company 100.0% WI

Chacra – NE/4 Section 28-T28N-R8W (160.0 acres)

BP America Production Company 100.0% WI

The Blanco A 001M (MV/DK/CHACRA, (API # 3004532441) consists of one (1) Federal lease:
SF 078835, 1/8th Royalty

Please contact me at x1988 if you have any questions concerning this topic.

A handwritten signature in cursive script that reads "Craig T. Ferguson".

Sincerely,
Craig T. Ferguson
Land Negotiator

District I
1625 N. French Dr., Hobbs, NM 88240

District II
1301 W. Grand Avenue, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised July 16, 2010
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-32441	² Pool Code 71599	³ Pool Name Basin Dakota
⁴ Property Code 000319	⁵ Property Name Blanco A	⁶ Well Number 1M
⁷ OGRID No. 000778	⁸ Operator Name BP America Production Company	⁹ Elevation 6218

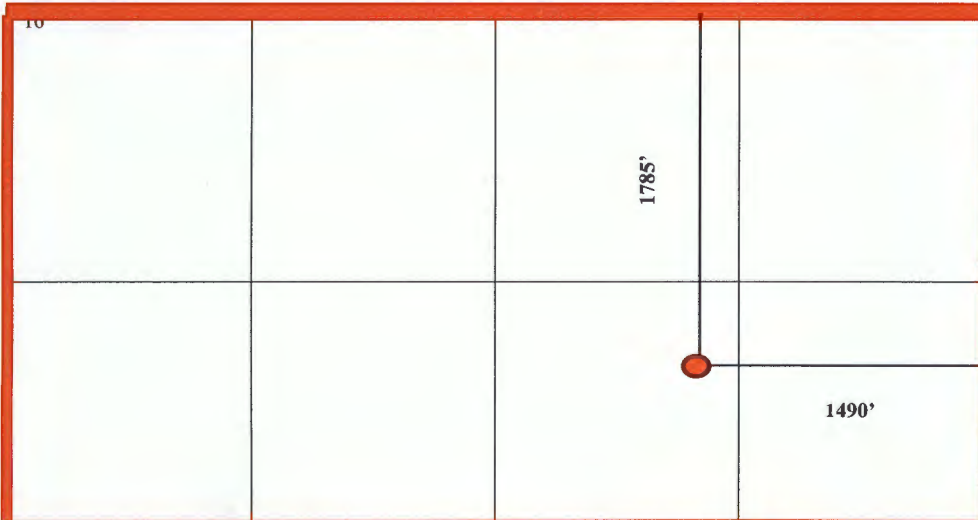
¹⁰ Surface Location

UL or lot no. G	Section 36	Township 28N	Range 08W	Lot Idn	Feet from the 1785	North/South line North	Feet from the 1490	East/West line East	County San Juan
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-11363						

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



¹⁷ **OPERATOR CERTIFICATION**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Toya Colvin 12/02/15
Signature Date

Toya Colvin
Printed Name

Toya.Colvin@bp.com
E-mail Address

¹⁸ **SURVEYOR CERTIFICATION**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey

Signature and Seal of Professional Surveyor:

Previously Filed

Certificate Number

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised July 16, 2010
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-32441	² Pool Code 72319	³ Pool Name Blanco-Mesaverde
⁴ Property Code 000319	⁵ Property Name Blanco A	
⁷ OGRID No. 000778	⁸ Operator Name BP America Production Company	
		⁶ Well Number 1M
		⁹ Elevation 6218

¹⁰ Surface Location

UL or lot no. G	Section 36	Township 28N	Range 08W	Lot Idn	Feet from the 1785	North/South line North	Feet from the 1490	East/West line East	County San Juan
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres 320		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No. R-11363			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.	
	Signature 	Date 12/02/15
	Toya Colvin Printed Name	
	Toya.Colvin@bp.com E-mail Address	
	¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.	
	Date of Survey	
	Signature and Seal of Professional Surveyor:	
	Previously Filed	
Certificate Number		

District I
1625 N. French Dr., Hobbs, NM 88240

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Form C-102
Revised July 16, 2010
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-32441	² Pool Code 82329	³ Pool Name Otero Chacra
⁴ Property Code 000319	⁵ Property Name Blanco A	⁶ Well Number 1M
⁷ OGRID No. 000778	⁸ Operator Name BP America Production Company	⁹ Elevation 6218

¹⁰ Surface Location

UL or lot no. G	Section 36	Township 28N	Range 08W	Lot Idn	Feet from the 1785	North/South line North	Feet from the 1490	East/West line East	County San Juan
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-11363						

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> <i>Toya Colvin</i> 12/02/15 Signature Date Toya Colvin Printed Name Toya.Colvin@bp.com E-mail Address
	¹⁸ SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i> Date of Survey Signature and Seal of Professional Surveyor: Previously Filed Certificate Number

Proposed Allocation

Blanco A 001M-CH/MV/DK	Gas	Oil	Water
Chacra	36%	36%	36%
Mesaverde	50%	50%	50%
Dakota	14%	14%	14%

Gas Analysis

Blanco A 001M-MV/DK	
Date	10/6/2015
Dry BTU	1241.7
Specific Gravity	0.716

Gas Analysis

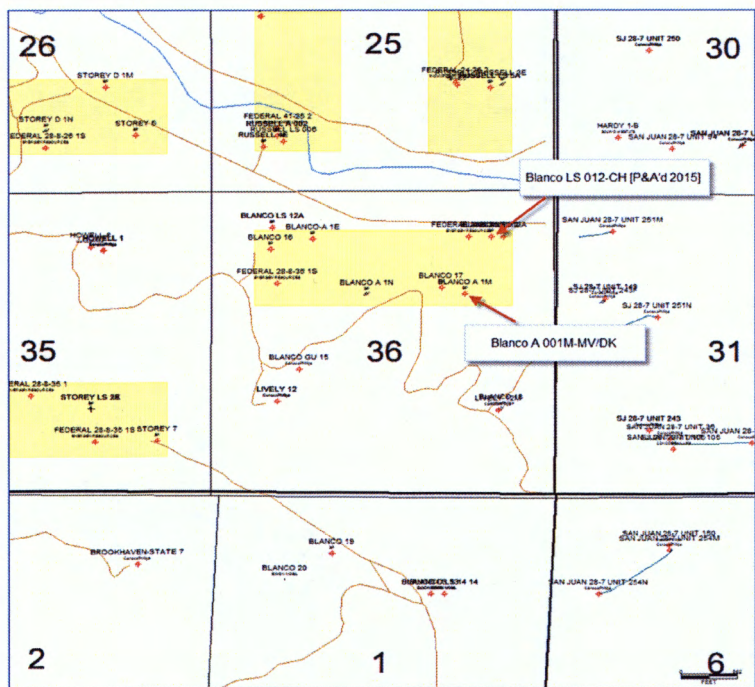
Blanco LS 012-CH Chacra Offset	
Date	12/28/2013
Dry BTU	1172
Specific Gravity	0.6666

Blanco A 001M (IHS)	DK	MV
	Gas (mscf)	Gas (mscf)
2014 AUG	1288	4761
2014 SEP	1161	4281
2014 OCT	1139	4209
2014 NOV	1145	4223
2014 DEC	1361	5033
2015 JAN	1230	4547
2015 FEB	1219	4471
2015 MAR	1225	4527
2015 APR	1207	4449
2015 MAY	1048	3873
2015 JUN	1213	4472
2015 JUL	1040	3846
2015 AUG	969	3583
Average	1173	4329

Blanco LS 012 - Chacra Offset (IHS)	Gas (mscf)
2007 JAN	981
2007 FEB	2364
2007 MAR	3634
2007 APR	3487
2007 MAY	3421
2007 JUN	3299
2007 JUL	2993
2007 AUG	2594
2007 SEP	3102
2007 OCT	3298
2007 NOV	3075
2007 DEC	4325
2008 JAN	3347
Average	3071

	Gas (mscf/mo)
Total	8572
%DK	0.14
%MV	0.50
%CH	0.36

*Chacra average taken from 36-48 months on production in order to capture pseudo-steadystate production rate for allocation purposes



Hobbs NM 88241-1980

Lawer KK. Artesia, NM 87211-0719

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102

Revised February 21, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-32441	² Pool Code 71599; 72319	³ Pool Name Basin Dakota; Blanco Mesaverde
⁴ Property Code 000319	⁵ Property Name Blanco A	⁶ Well Number # 1M
⁷ OGRID No. 000778	⁸ Operator Name BP AMERICA PRODUCTION COMPANY	⁹ Elevation 6218

¹⁰ Surface Location

UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	36	28 N	8 W		1785' 1755'	NORTH	1490' 1480'	EAST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

¹ UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

				¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature <u>Cherry Hlava</u> Printed Name <u>Cherry Hlava</u> Title <u>Regulatory Analyst</u> Date <u>6-24-04</u>	
				¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey <u>May 27, 2004</u> Signature and Seal of Professional Surveyor 7016 Certificate Number	

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised March 25, 1999

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-045-32441
5. Indicate Type of Lease STATE FEE
6. State Oil & Gas Lease No.
Lease Name or Unit Agreement Name: Blanco A (Notified BLM of DHC intent on APD filing (NMNM 012201))
8. Well No. 1M
9. Pool name or Wildcat Basin Dakota & Blanco Mesaverde

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-103) FOR SUCH PROPOSALS.)

1. Type of Well:
Oil Well ☐ Gas Well ☒ Other

2. Name of Operator
BP America Production Company Attn: **Cherry Hlava**

3. Address of Operator
P.O. Box 3092 Houston, TX 77253

4. Well Location
Unit Letter **G** **1785** feet from the **North** line and **1490** feet from the **East** line
Section **36** Township **28N** Range **08W** NMPM **San Juan** County

10. Elevation (Show whether DR, RKB, RT, GR, etc.)
6218' GR

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐
OTHER: Downhole Commingle ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: ☐

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

On 06/28/2004, BP America Production Company submitted an application for permit to drill and complete the subject well into the Basin Dakota, produce the well in order to establish a production rate, isolate the zone; then add the Blanco Mesaverde and commingle production Downhole. APD was approved 11/30/2004. BP now seeks NMOCD approval to Downhole commingle production in the subject well.

The Basin Dakota (71599) & the Blanco Mesaverde (72319) Pools are Pre-Approved for Downhole Commingling per NMOCD Order R - 11363. The working and overriding royalty interest owners in the proposed commingled pools are the same therefore no further notification of this application is required.

Production is proposed to be allocated based on a fixed percentage. We will perform a deliverability test on the Dakota, isolate the zone and complete into the Mesaverde. The deliverability test will be performed on the combined zones and DK rate will be subtracted from the total well stream to establish the MV rate.

Commingling Production Downhole in the subject well from the proposed pools with not reduce the value of the total remaining production.

DHC 1755AZ

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Cherry Hlava TITLE Regulatory Analyst DATE 11/30/2004
Type or print name Cherry Hlava Telephone No. 281-366-4081

(This space for State use)

APPROVED BY [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. IV DATE DEC - 3 2004
Conditions of approval, if any:

McMillan, Michael, EMNRD

From: Colvin, Toya <Toya.Colvin@bp.com>
Sent: Wednesday, December 09, 2015 11:50 AM
To: McMillan, Michael, EMNRD
Subject: RE: Blanco 1-M DHC application

Michael,

Please see the below response from my engineer regarding our allocation:

The old order allocation for the Blanco A 001M-MV/DK is:

Mesaverde: **78.7%** (all products)
Dakota: **21.3%** (all products)

This is verified by average monthly production from IHS for the last year of available data (4329mcf/mo for MV and 1173mcf/mo for DK, Aug 2014 to Aug 2015).

The new proposed allocation adds the Chacra contribution on top of the old allocation, thus adjusting the percentages. The Chacra production comes from average monthly IHS production from the Blanco LS 012 Chacra offset after production stabilized following the recompletion in 2004 (Jan 2007 to Jan 2008):

Old

	average mcf/mo	% contribution
Mesaverde	4329	78.7%
Dakota	1173	21.3%

New

	average mcf/mo	% contribution
Mesaverde	4329	50%
Dakota	1173	14%
Chacra	3071	36%

Thank You,

Toya Colvin

Toya Colvin
Regulatory Analyst
BP America Production Company
Lower 48 - San Juan South
737 N Eldridge Pkwy, 12.181A
(281) 366-7148

From: McMillan, Michael, EMNRD [mailto:Michael.McMillan@state.nm.us]
Sent: Tuesday, December 08, 2015 11:27 AM

Blanco A 001M - Dakota (IHS)
Current Allocation: 21.29%

API	Year	Month	Liquid	Gas	Water	Ratio Gas Oil	Percent Water	Wells	Days On	Daily Gas	
30045324410000	2005	JUN		0	3772	0		1	8	472	
30045324410000	2005	JUL		0	10433	245		1	31	337	
30045324410000	2005	AUG		239	8307	60	28.7759	20.0669	1	31	268
30045324410000	2005	SEP		88	4379	80	20.1009	47.619	1	30	146
30045324410000	2005	OCT		21	4741	35	4.4344	62.5	1	26	182
30045324410000	2005	NOV		42	3330	43	12.6176	50.5882	1	30	111
30045324410000	2005	DEC		30	2726	43	11.0101	58.9041	1	31	88
30045324410000	2006	JAN		12	1917	13	6.2648	52	1	31	62
30045324410000	2006	FEB		25	2245	6	11.1409	19.3548	1	28	80
30045324410000	2006	MAR		16	1965	21	8.1475	56.7568	1	31	63
30045324410000	2006	APR		23	1741	9	13.2158	28.125	1	30	58
30045324410000	2006	MAY		15	1840	11	8.1572	42.3077	1	25	74
30045324410000	2006	JUN		23	1702	11	13.5185	32.3529	1	30	57
30045324410000	2006	JUL		8	1658	12	4.8301	60	1	31	53
30045324410000	2006	AUG		19	1610	9	11.8062	32.1429	1	31	52
30045324410000	2006	SEP		20	1443	13	13.865	39.3939	1	30	48
30045324410000	2006	OCT		9	1507	9	5.9771	50	1	31	49
30045324410000	2006	NOV		16	1376	9	11.6329	36	1	30	46
30045324410000	2006	DEC		20	1419	9	14.0994	31.0345	1	31	46
30045324410000	2007	JAN		8	1341	0	5.9707		1	31	43
30045324410000	2007	FEB		13	1138	4	11.4286	23.5294	1	28	41
30045324410000	2007	MAR		9	1161	0	7.7569		1	31	37
30045324410000	2007	APR		14	1205	13	11.6233	48.1481	1	30	40
30045324410000	2007	MAY		11	1198	9	9.187	45	1	31	39
30045324410000	2007	JUN		8	1146	9	6.9858	52.9412	1	30	38
30045324410000	2007	JUL		8	1116	4	7.1735	33.3333	1	31	36
30045324410000	2007	AUG		12	1146	6	10.4762	33.3333	1	31	37
30045324410000	2007	SEP		12	1146	9	10.4762	42.8571	1	30	38
30045324410000	2007	OCT		7	1265	9	5.5386	56.25	1	31	41
30045324410000	2007	NOV		11	1232	0	8.9336		1	30	41
30045324410000	2007	DEC		15	1330	13	11.2832	46.4286	1	31	43
30045324410000	2008	JAN		10	1345	11	7.4399	52.381	1	31	43
30045324410000	2008	FEB		14	1215	11	11.5276	44	1	29	42
30045324410000	2008	MAR		13	1198	13	10.8564	50	1	31	39
30045324410000	2008	APR		7	956	0	7.3272		1	30	32
30045324410000	2008	MAY		8	948	9	8.4438	52.9412	1	30	32
30045324410000	2008	JUN		7	466	9	15.0265	56.25	1	21	22
30045324410000	2008	JUL		4	428	9	9.3508	69.2308	1	19	23
30045324410000	2008	AUG		1	810	68	1.2396	98.5507	1	14	58
30045324410000	2008	SEP		5	1899	94	2.638	94.9495	1	30	63
30045324410000	2008	OCT		9	1987	34	4.5344	79.0698	1	30	66
30045324410000	2008	NOV		6	1935	34	3.1058	85	1	30	65
30045324410000	2008	DEC		13	2033	15	6.3995	53.5714	1	31	66
30045324410000	2009	JAN		9	2029	9	4.4407	50	1	31	65
30045324410000	2009	FEB		19	1808	20	10.5138	51.2821	1	28	65
30045324410000	2009	MAR		8	1884	13	4.2513	61.9048	1	31	61
30045324410000	2009	APR		9	1768	9	5.0955	50	1	30	59
30045324410000	2009	MAY		8	1788	12	4.4793	60	1	31	58
30045324410000	2009	JUN		7	1671	23	4.1941	76.6667	1	30	56
30045324410000	2009	JUL		8	1709	0	4.6861		1	31	55
30045324410000	2009	AUG		4	1687	14	2.3761	77.7778	1	31	54
30045324410000	2009	SEP		7	1595	0	4.3937		1	26	61
30045324410000	2009	OCT		7	1741	14	4.0257	66.6667	1	31	56
30045324410000	2009	NOV		7	1698	6	4.1275	46.1538	1	30	57
30045324410000	2009	DEC		11	1728	0	6.3707		1	31	56
30045324410000	2010	JAN		8	1754	15	4.566	65.2174	1	31	57
30045324410000	2010	FEB		0	1419	0			1	24	59
30045324410000	2010	MAR		12	1723	32	6.9696	72.7273	1	31	56
30045324410000	2010	APR		9	1459	0	6.1736		1	28	52
30045324410000	2010	MAY		5	1226	6	4.0833	54.5455	1	21	58
30045324410000	2010	JUN		6	1216	0	4.9392		1	26	47
30045324410000	2010	JUL		3	1658	15	1.8144	83.3333	1	31	53
30045324410000	2010	AUG		6	1566	0	3.8364		1	31	51
30045324410000	2010	SEP		6	1316	0	4.5643		1	26	51
30045324410000	2010	OCT		4	1150	0	3.4833		1	21	55
30045324410000	2010	NOV		5	1714	8	2.9222	61.5385	1	27	63
30045324410000	2010	DEC		4	1602		2.5019		1	31	52
30045324410000	2011	JAN		8	1689	16	4.7415	66.6667	1	31	54
30045324410000	2011	FEB		6	1517	10	3.9602	62.5	1	28	54
30045324410000	2011	MAR		4	1077	0	3.719		1	20	54
30045324410000	2011	APR		5	1566	10	3.1978	66.6667	1	30	52
30045324410000	2011	MAY		9	1449	4	6.2162	30.7692	1	31	47
30045324410000	2011	JUN		3	967	0	3.1074		1	25	39
30045324410000	2011	JUL		0	1638	0			1	31	53
30045324410000	2011	AUG		13	1405	14	9.2577	51.8519	1	31	45
30045324410000	2011	SEP		3	1179	0	2.5495		1	27	44
30045324410000	2011	OCT		6	1497	17	4.013	73.913	1	31	48
30045324410000	2011	NOV		4	1297	6	3.089	60	1	30	43
30045324410000	2011	DEC		6	1455		4.1287		1	31	47
30045324410000	2012	JAN		7	1511	20	4.6377	74.0741	1	31	49

30045324410000	2012 FEB	21	1244	0	16.886		1	29	43
30045324410000	2012 MAR	2	1110	11	1.8068	84.6154	1	31	36
30045324410000	2012 APR	2	22	0	90.9141		1	4	6
30045324410000	2012 MAY	0	311	0			1	24	13
30045324410000	2012 JUN	0	98	0			1	8	12
30045324410000	2012 JUL	0	253	3			1	10	25
30045324410000	2012 AUG	4	912	0	4.391		1	29	31
30045324410000	2012 SEP	4	895	0	4.4743		1	27	33
30045324410000	2012 OCT	2	279	11	7.1735	84.6154	1	11	25
30045324410000	2012 NOV								0
30045324410000	2012 DEC								0
30045324410000	2013 JAN	0	0	0			0	0	0
30045324410000	2013 FEB	0	9	0			1	3	3
30045324410000	2013 MAR	0	1413	0			1	21	67
30045324410000	2013 APR	5	1501	25	3.3361	83.3333	1	26	58
30045324410000	2013 MAY	12	1659	5	7.2383	29.4118	1	31	54
30045324410000	2013 JUN	5	1473	16	3.3994	76.1905	1	30	49
30045324410000	2013 JUL	5	1498	6	3.3428	54.5455	1	31	48
30045324410000	2013 AUG	7	1443	0	4.856		1	31	47
30045324410000	2013 SEP	6	764	16	7.8584	72.7273	1	15	51
30045324410000	2013 OCT	1	682	3	1.4713	75	1	10	68
30045324410000	2013 NOV	3	1239	9	2.4263	75	1	23	54
30045324410000	2013 DEC		254				1	1	254
30045324410000	2014 JAN	11	1566	0	7.0293		1	26	60
30045324410000	2014 FEB	11	1511	11	7.2849	50	1	25	60
30045324410000	2014 MAR	14	1476	0	9.4901		1	31	48
30045324410000	2014 APR	11	1309	0	8.4084		1	30	44
30045324410000	2014 MAY	11	1193	12	9.2255	52.1739	1	31	38
30045324410000	2014 JUN	12	1409	0	8.5217		1	30	47
30045324410000	2014 JUL	15	1241	4	12.092	21.0526	1	31	40
30045324410000	2014 AUG	5	1288	14	3.887	73.6842	1	31	42
30045324410000	2014 SEP	4	1161	0	3.4503		1	30	39
30045324410000	2014 OCT	4	1139	11	3.5169	73.3333	1	31	37
30045324410000	2014 NOV	3	1145	6	2.6251	66.6667	1	30	38
30045324410000	2014 DEC	8	1361		5.883		1	31	44
30045324410000	2015 JAN	1	1230	0	0.818		1	31	40
30045324410000	2015 FEB	3	1219	15	2.466	83.3333	1	28	44
30045324410000	2015 MAR	5	1225	0	4.0866		1	31	40
30045324410000	2015 APR	4	1207	11	3.319	73.3333	1	30	40
30045324410000	2015 MAY	6	1048	0	5.7302		1	31	34
30045324410000	2015 JUN	3	1213	14	2.4782	82.3529	1	30	40
30045324410000	2015 JUL	2	1040		1.9281		1	31	34
30045324410000	2015 AUG	2	969		2.069		1	31	31

Blanco A 001M - Mesaverde (IHS)

Current Allocation: 78.71%

API	Year	Month	Liquid	Gas	Water	Ratio	Gas Oil	Percent Water	Wells	Days On	Daily Gas
30045324410001	2005	OCT		79	17526	130	4.5126	62.201	1	26	674
30045324410001	2005	NOV		155	12313	157	12.5933	50.3205	1	30	410
30045324410001	2005	DEC		110	10077	157	10.9209	58.8015	1	31	325
30045324410001	2006	JAN		43	7085	47	6.0742	52.2222	1	31	229
30045324410001	2006	FEB		91	8299	24	10.9702	20.8696	1	28	296
30045324410001	2006	MAR		58	7265	79	7.9885	57.6642	1	31	234
30045324410001	2006	APR		85	6437	31	13.2099	26.7241	1	30	215
30045324410001	2006	MAY		57	6803	39	8.3837	40.625	1	25	272
30045324410001	2006	JUN		84	6293	39	13.3532	31.7073	1	30	210
30045324410001	2006	JUL		31	6132	43	5.0604	58.1081	1	31	198
30045324410001	2006	AUG		71	5952	31	11.9338	30.3922	1	31	192
30045324410001	2006	SEP		72	5334	47	13.5033	39.4958	1	30	178
30045324410001	2006	OCT		35	5572	31	6.2864	46.9697	1	31	180
30045324410001	2006	NOV		60	5085	31	11.8044	34.0659	1	30	170
30045324410001	2006	DEC		73	5245	31	13.923	29.8077	1	31	169
30045324410001	2007	JAN		31	4956	0	6.26		1	31	160
30045324410001	2007	FEB		47	4207	16	11.1769	25.3968	1	28	150
30045324410001	2007	MAR		35	4292	0	8.1597		1	31	138
30045324410001	2007	APR		52	4453	47	11.6825	47.4747	1	30	148
30045324410001	2007	MAY		39	4429	31	8.8106	44.2857	1	31	143
30045324410001	2007	JUN		31	4238	31	7.3198	50	1	30	141
30045324410001	2007	JUL		30	4127	16	7.2742	34.7826	1	31	133
30045324410001	2007	AUG		45	4237	24	10.6257	34.7826	1	31	137
30045324410001	2007	SEP		43	4226	31	10.1801	41.8919	1	30	141
30045324410001	2007	OCT		26	4679	31	5.5617	54.386	1	31	151
30045324410001	2007	NOV		39	4545	0	8.5859		1	30	152
30045324410001	2007	DEC		55	4917	47	11.1907	46.0784	1	31	159
30045324410001	2008	JAN		39	4974	39	7.8458	50	1	31	160
30045324410001	2008	FEB		51	4470	39	11.4144	43.3333	1	29	154
30045324410001	2008	MAR		47	4427	47	10.6217	50	1	31	143
30045324410001	2008	APR		28	3525	0	7.9483		1	30	118
30045324410001	2008	MAY		28	3498	31	8.0096	52.5424	1	30	117
30045324410001	2008	JUN		26	1708	31	15.2275	54.386	1	21	81
30045324410001	2008	JUL		16	1603	31	9.9863	65.9574	1	19	84
30045324410001	2008	AUG		4	2971	252	1.3513	98.4375	1	14	212
30045324410001	2008	SEP		20	7001	348	2.8617	94.5652	1	30	233
30045324410001	2008	OCT		32	7328	126	4.3718	79.7468	1	30	244
30045324410001	2008	NOV		23	7133	126	3.2294	84.5638	1	30	238
30045324410001	2008	DEC		47	7518	56	6.2567	54.3689	1	31	243
30045324410001	2009	JAN		34	7503	32	4.5365	48.4848	1	31	242
30045324410001	2009	FEB		71	6631	72	10.7123	50.3497	1	28	237
30045324410001	2009	MAR		28	6966	48	4.0245	63.1579	1	31	225
30045324410001	2009	APR		31	6519	34	4.7603	52.3077	1	30	217
30045324410001	2009	MAY		31	6609	45	4.6956	59.2105	1	31	213
30045324410001	2009	JUN		26	6164	85	4.223	76.5766	1	30	205
30045324410001	2009	JUL		30	6320	0	4.7518		1	31	204
30045324410001	2009	AUG		16	6235	50	2.5712	75.7576	1	31	201
30045324410001	2009	SEP		25	5944	0	4.2109		1	26	229
30045324410001	2009	OCT		28	6438	52	4.3542	65	1	31	208
30045324410001	2009	NOV		28	6261	22	4.4771	44	1	30	209
30045324410001	2009	DEC		41	6388	0	6.4233		1	31	206
30045324410001	2010	JAN		28	6483	55	4.324	66.2651	1	31	209
30045324410001	2010	FEB		0	5259	0			1	24	219
30045324410001	2010	MAR		44	6372	118	6.9102	72.8395	1	31	206
30045324410001	2010	APR		34	5350	0	6.3601		1	28	191
30045324410001	2010	MAY		18	4495	24	4.0094	57.1429	1	21	214
30045324410001	2010	JUN		21	4530	0	4.6408		1	26	174
30045324410001	2010	JUL		12	6130	55	1.9626	82.0896	1	31	198
30045324410001	2010	AUG		21	5790	0	3.6319		1	31	187
30045324410001	2010	SEP		22	4903	0	4.492		1	26	189
30045324410001	2010	OCT		15	4216	0	3.5629		1	21	201
30045324410001	2010	NOV		17	6403	31	2.66	64.5833	1	27	237
30045324410001	2010	DEC		16	5923		2.7063		1	31	191
30045324410001	2011	JAN		29	6244	58	4.6495	66.6667	1	31	201
30045324410001	2011	FEB		21	5560	38	3.782	64.4068	1	28	199
30045324410001	2011	MAR		16	3932	0	4.0742		1	20	197
30045324410001	2011	APR		18	5775	38	3.1219	67.8571	1	30	193
30045324410001	2011	MAY		33	5358	16	6.164	32.6531	1	31	173
30045324410001	2011	JUN		12	3592	0	3.3458		1	25	144
30045324410001	2011	JUL		0	6055	0			1	31	195
30045324410001	2011	AUG		47	5192	50	9.0574	51.5464	1	31	167
30045324410001	2011	SEP		13	4405	0	2.9562		1	27	163
30045324410001	2011	OCT		20	5535	62	3.6184	75.6098	1	31	179
30045324410001	2011	NOV		13	4781	24	2.7241	64.8649	1	30	159
30045324410001	2011	DEC		24	5379		4.4668		1	31	174
30045324410001	2012	JAN		25	5585	75	4.4813	75	1	31	180
30045324410001	2012	FEB		76	4574	0	16.6207		1	29	158
30045324410001	2012	MAR		8	4105	40	1.9538	83.3333	1	31	132
30045324410001	2012	APR		6	76	0	78.9524		1	4	19
30045324410001	2012	MAY		0	1151	0			1	24	48

30045324410001	2012 JUN	0	363	0			1	8	45
30045324410001	2012 JUL	0	954	12			1	10	95
30045324410001	2012 AUG	16	3355	0	4.774		1	29	116
30045324410001	2012 SEP	13	3343	0	3.8937		1	27	124
30045324410001	2012 OCT	9	1053	39	8.552	81.25	1	11	96
30045324410001	2012 NOV								0
30045324410001	2012 DEC								0
30045324410001	2013 JAN	0	0	0			0	0	0
30045324410001	2013 FEB	0	35	2			1	3	12
30045324410001	2013 MAR	0	5180	0			1	21	247
30045324410001	2013 APR	20	5594	91	3.5803	81.982	1	26	215
30045324410001	2013 MAY	46	6131	17	7.5079	26.9841	1	31	198
30045324410001	2013 JUN	20	5433	59	3.6862	74.6835	1	30	181
30045324410001	2013 JUL	17	5538	24	3.0747	58.5366	1	31	179
30045324410001	2013 AUG	28	5333	0	5.2553		1	31	172
30045324410001	2013 SEP	20	2818	59	7.1022	74.6835	1	15	188
30045324410001	2013 OCT	3	2565	10	1.1746	76.9231	1	10	257
30045324410001	2013 NOV	12	4578	31	2.6262	72.093	1	23	199
30045324410001	2013 DEC		1014				1	1	1014
30045324410001	2014 JAN	41	5835	0	7.0316		1	26	224
30045324410001	2014 FEB	41	5616	39	7.3056	48.75	1	25	225
30045324410001	2014 MAR	51	5455	0	9.3542		1	31	176
30045324410001	2014 APR	40	4825	0	8.2952		1	30	161
30045324410001	2014 MAY	41	4410	45	9.3021	52.3256	1	31	142
30045324410001	2014 JUN	46	5195	0	8.8597		1	30	173
30045324410001	2014 JUL	54	4586	16	11.78	22.8571	1	31	148
30045324410001	2014 AUG	17	4761	52	3.5757	75.3623	1	31	154
30045324410001	2014 SEP	16	4281	0	3.7424		1	30	143
30045324410001	2014 OCT	13	4209	39	3.0936	75	1	31	136
30045324410001	2014 NOV	9	4223	24	2.1362	72.7273	1	30	141
30045324410001	2014 DEC	30	5033		5.9657		1	31	162
30045324410001	2015 JAN	5	4547	0	1.1046		1	31	147
30045324410001	2015 FEB	12	4471	54	2.689	81.8182	1	28	160
30045324410001	2015 MAR	19	4527	0	4.202		1	31	146
30045324410001	2015 APR	16	4449	39	3.6013	70.9091	1	30	148
30045324410001	2015 MAY	24	3873	0	6.2017		1	31	125
30045324410001	2015 JUN	11	4472	51	2.4647	82.2581	1	30	149
30045324410001	2015 JUL	9	3846		2.3451		1	31	124
30045324410001	2015 AUG	8	3583		2.2378		1	31	116

Lease Name	Well Number	API	Year	Month	Liquid	Gas	Water	Ratio Gas Oil	Percent Water	Wells	Days On	Daily Gas	
BLANCO LS	12	30045070490001	2004	JAN		0	3947	75		1	18	219	
BLANCO LS	12	30045070490001	2004	FEB		16	12698	0	1.265	1	29	438	
BLANCO LS	12	30045070490001	2004	MAR		16	10151	0	1.5812	1	31	327	
BLANCO LS	12	30045070490001	2004	APR		0	8182	0		1	30	273	
BLANCO LS	12	30045070490001	2004	MAY		30	7893	0	3.8058	1	31	255	
BLANCO LS	12	30045070490001	2004	JUN		0	6493	0		1	26	250	
BLANCO LS	12	30045070490001	2004	JUL		0	6816	0		1	31	220	
BLANCO LS	12	30045070490001	2004	AUG		0	6457	0		1	31	208	
BLANCO LS	12	30045070490001	2004	SEP		0	6029	0		1	30	201	
BLANCO LS	12	30045070490001	2004	OCT		2	5951	0	0.3411	1	31	192	
BLANCO LS	12	30045070490001	2004	NOV		0	5374	0		1	30	179	
BLANCO LS	12	30045070490001	2004	DEC		10	4880	0	2.0542	1	31	157	
BLANCO LS	12	30045070490001	2005	JAN		0	5630	0		1	31	182	
BLANCO LS	12	30045070490001	2005	FEB		0	2983	0		1	27	110	
BLANCO LS	12	30045070490001	2005	MAR		6	5281	34	1.1411	85	1	31	170
BLANCO LS	12	30045070490001	2005	APR		0	5945	0		1	30	198	
BLANCO LS	12	30045070490001	2005	MAY		20	5684	0	3.5236	1	31	183	
BLANCO LS	12	30045070490001	2005	JUN		15	3814	0	3.9379	1	23	166	
BLANCO LS	12	30045070490001	2005	JUL		8	5477	16	1.4657	66.6667	1	31	177
BLANCO LS	12	30045070490001	2005	AUG		12	4561	0	2.636	1	25	182	
BLANCO LS	12	30045070490001	2005	SEP		0	5066	47		1	30	169	
BLANCO LS	12	30045070490001	2005	OCT		16	4848	0	3.3053	1	31	156	
BLANCO LS	12	30045070490001	2005	NOV		0	4237	15		1	30	141	
BLANCO LS	12	30045070490001	2005	DEC		0	3615	15		1	31	117	
BLANCO LS	12	30045070490001	2006	JAN		0	4504	0		1	31	145	
BLANCO LS	12	30045070490001	2006	FEB		6	2919	0	2.0605	1	28	104	
BLANCO LS	12	30045070490001	2006	MAR		1	0	0		1	29	0	
BLANCO LS	12	30045070490001	2006	APR		0	0	0		0	0	0	
BLANCO LS	12	30045070490001	2006	MAY		0	0	60		1	8	0	
BLANCO LS	12	30045070490001	2006	JUN		0	0	0		0	0	0	
BLANCO LS	12	30045070490001	2006	JUL		0	0	0		0	0	0	
BLANCO LS	12	30045070490001	2006	AUG		2	3143	32	0.6413	94.1176	1	9	349
BLANCO LS	12	30045070490001	2006	SEP		0	6007	0		1	30	200	
BLANCO LS	12	30045070490001	2006	OCT		0	4898	0		1	31	158	
BLANCO LS	12	30045070490001	2006	NOV		0	4166	32		1	30	139	
BLANCO LS	12	30045070490001	2006	DEC		0	2990	32		1	31	96	
BLANCO LS	12	30045070490001	2007	JAN		1	981	63	1.0244	98.4375	1	31	32
BLANCO LS	12	30045070490001	2007	FEB		2	2364	0	0.851	1	27	88	
BLANCO LS	12	30045070490001	2007	MAR		0	3634	0		1	31	117	
BLANCO LS	12	30045070490001	2007	APR		0	3487	0		1	30	116	
BLANCO LS	12	30045070490001	2007	MAY		0	3421	0		1	31	110	
BLANCO LS	12	30045070490001	2007	JUN		0	3299	0		1	30	110	
BLANCO LS	12	30045070490001	2007	JUL		0	2993	0		1	31	97	
BLANCO LS	12	30045070490001	2007	AUG		0	2594	0		1	31	84	
BLANCO LS	12	30045070490001	2007	SEP		0	3102	0		1	30	103	
BLANCO LS	12	30045070490001	2007	OCT		65	3298	0	19.7139	1	31	106	
BLANCO LS	12	30045070490001	2007	NOV		106	3075	0	34.4765	1	30	103	
BLANCO LS	12	30045070490001	2007	DEC		2	4325	16	0.4674	88.8889	1	31	140
BLANCO LS	12	30045070490001	2008	JAN		2	3347	0	0.6026	1	31	108	
BLANCO LS	12	30045070490001	2008	FEB		2	2364	0	0.851	1	27	88	
BLANCO LS	12	30045070490001	2008	MAR		0	3693	0		1	31	119	
BLANCO LS	12	30045070490001	2008	APR		0	3177	0		1	30	106	
BLANCO LS	12	30045070490001	2008	MAY		0	2974	16		1	31	96	
BLANCO LS	12	30045070490001	2008	JUN		71	1985	16	35.7733	18.3908	1	19	104
BLANCO LS	12	30045070490001	2008	JUL		0	2807	0		1	31	91	
BLANCO LS	12	30045070490001	2008	AUG		0	1673	0		1	31	54	
BLANCO LS	12	30045070490001	2008	SEP		0	1675	13		1	30	56	
BLANCO LS	12	30045070490001	2008	OCT		0	1558	0		1	28	56	
BLANCO LS	12	30045070490001	2008	NOV		0	1579	0		1	30	53	
BLANCO LS	12	30045070490001	2008	DEC		2	1979	0	1.0156	1	31	64	
BLANCO LS	12	30045070490001	2009	JAN		0	1544			1	31	50	
BLANCO LS	12	30045070490001	2009	FEB		0	1493			1	28	53	
BLANCO LS	12	30045070490001	2009	MAR		0	1588			1	31	51	
BLANCO LS	12	30045070490001	2009	APR		0	1531			1	30	51	
BLANCO LS	12	30045070490001	2009	MAY		2	1464		1.3711	1	31	47	
BLANCO LS	12	30045070490001	2009	JUN		0	1329			1	30	44	
BLANCO LS	12	30045070490001	2009	JUL		0	1319			1	31	43	
BLANCO LS	12	30045070490001	2009	AUG		0	1290			1	31	42	
BLANCO LS	12	30045070490001	2009	SEP		0	1093			1	30	36	
BLANCO LS	12	30045070490001	2009	OCT		0	1314			1	31	42	
BLANCO LS	12	30045070490001	2009	NOV		0	1525			1	30	51	
BLANCO LS	12	30045070490001	2009	DEC		0	751			1	31	24	
BLANCO LS	12	30045070490001	2010	JAN		0	694			1	31	22	
BLANCO LS	12	30045070490001	2010	FEB		0	1343			1	28	48	
BLANCO LS	12	30045070490001	2010	MAR		0	1292			1	31	42	
BLANCO LS	12	30045070490001	2010	APR		0	1077			1	30	36	
BLANCO LS	12	30045070490001	2010	MAY		3	994		3.0231	1	31	32	
BLANCO LS	12	30045070490001	2010	JUN		0	836			1	23	36	
BLANCO LS	12	30045070490001	2010	JUL		0	0					0	
BLANCO LS	12	30045070490001	2010	AUG		0	0					0	
BLANCO LS	12	30045070490001	2010	SEP		0	0					0	
BLANCO LS	12	30045070490001	2010	OCT		0	0					0	
BLANCO LS	12	30045070490001	2010	NOV		0	0					0	
BLANCO LS	12	30045070490001	2010	DEC		0	0					0	
BLANCO LS	12	30045070490001	2011	JAN		0	0			0	0	0	
BLANCO LS	12	30045070490001	2011	FEB		0	0			0	0	0	
BLANCO LS	12	30045070490001	2011	MAR		0	0			0	0	0	
BLANCO LS	12	30045070490001	2011	APR		0	684			1	8	86	
BLANCO LS	12	30045070490001	2011	MAY		0	1469			1	25	59	
BLANCO LS	12	30045070490001	2011	JUN		2	1184		1.6942	1	26	46	
BLANCO LS	12	30045070490001	2011	JUL		0	1081			1	26	42	
BLANCO LS	12	30045070490001	2011	AUG		0	616			1	20	31	
BLANCO LS	12	30045070490001	2011	SEP		0	1211			1	29	42	

BLANCO LS	12	30045070490001	2011 OCT	0	961	1	27	36
BLANCO LS	12	30045070490001	2011 NOV		672	1	25	27
BLANCO LS	12	30045070490001	2011 DEC		1046	1	29	36
BLANCO LS	12	30045070490001	2012 JAN		0	0	0	0
BLANCO LS	12	30045070490001	2012 FEB		295	1	4	74
BLANCO LS	12	30045070490001	2012 MAR		756	1	11	69
BLANCO LS	12	30045070490001	2012 APR		1641	1	30	55
BLANCO LS	12	30045070490001	2012 MAY		1708	1	31	55
BLANCO LS	12	30045070490001	2012 JUN		1374	1	29	47
BLANCO LS	12	30045070490001	2012 JUL		1961	1	31	63
BLANCO LS	12	30045070490001	2012 AUG		1192	1	22	54
BLANCO LS	12	30045070490001	2012 SEP		930	1	28	33
BLANCO LS	12	30045070490001	2012 OCT		1989	1	30	66
BLANCO LS	12	30045070490001	2012 NOV		1186	1	20	59
BLANCO LS	12	30045070490001	2012 DEC		1309	1	19	69
BLANCO LS	12	30045070490001	2013 JAN		440	1	18	24
BLANCO LS	12	30045070490001	2013 FEB		1695	1	20	85
BLANCO LS	12	30045070490001	2013 MAR		577	1	15	38
BLANCO LS	12	30045070490001	2013 APR		939	1	18	52
BLANCO LS	12	30045070490001	2013 MAY		247	1	3	82
BLANCO LS	12	30045070490001	2013 JUN		366	1	30	12
BLANCO LS	12	30045070490001	2013 JUL		8	1	31	0
BLANCO LS	12	30045070490001	2013 AUG		135	1	12	11
BLANCO LS	12	30045070490001	2013 SEP		111	1	11	10
BLANCO LS	12	30045070490001	2013 OCT		221	1	31	7
BLANCO LS	12	30045070490001	2013 NOV		1450	1	24	60
BLANCO LS	12	30045070490001	2013 DEC		74	1	30	2
BLANCO LS	12	30045070490001	2014 JAN		324	1	17	19
BLANCO LS	12	30045070490001	2014 FEB		270	1	5	54