

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

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

WELL API NO. 30-045-26010
5. Indicate Type of Lease STATE [ ] FEE [ ]
6. State Oil & Gas Lease No. Federal Lease
7. Lease Name or Unit Agreement Name Gallegos Canyon Unit
8. Well Number 230E
9. OGRID Number 000778
10. Pool name or Wildcat Basin Dakota & Simpson Gallup

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.)

1. Type of Well: Oil Well [ ] Gas Well [x] Other

2. Name of Operator BP America Production Company OIL CONS. DIV DIST. 3

3. Address of Operator 501 Westlake Park Blvd. Houston, TX 77079 JUN 09 2014

4. Well Location Unit Letter O : 1070 feet from the South line and 1630 feet from the East line
Section 23 Township 28N Range 12W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5771'

12. 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 COMPL [ ]
DOWNHOLE COMMINGLE [x]
CLOSED-LOOP SYSTEM [x]
OTHER: DHC w/Contingency to P&A [x]

SUBSEQUENT REPORT OF:

- REMEDIAL WORK [ ] ALTERING CASING [ ]
COMMENCE DRILLING OPNS. [ ] P AND A [ ]
CASING/CEMENT JOB [ ]
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 requests permission to downhole commingle the existing Basin Dakota and Simpson Gallup formations. If we are unable to pull the long string and exceed our economic limit, BP respectfully requests to P&A the Basin Dakota and produce from the Simpson Gallup only.

The Basin Dakota (71599) & the Simpson Gallup (56600) pools are pre-approved for DHC per NMOCD Case No. 12520; Order No. R-11567 effective 04/26/2001. Although the interest owners are not identical between these two pools, this same order established approval for subsequent applications for DHC of production in wellbores within the GCU without notice to the unit interest owners. Therefore, no additional notification is required prior to DHC approval.

Production is proposed to be allocated based on the subtraction method using the Dakota projected future decline. That production will serve as a base for production subtracted from the total production for the commingled well. The balance of the production will be attributed to the Simpson Gallup.

Commingling production downhole in the subject well from the proposed pools will not reduce the value of the total remaining production. Please see attached DHC procedure including the contingency to P&A the Basin Dakota, wellbore schematics & C-102 plats. BLM notified via 3160-5 form for Federal lease NMSF078904

Spud Date: 10/06/1984

Rig Release Date:

\* DHC 3890 AR

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 06/04/2014

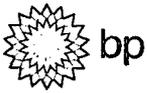
Type or print name Toya Colvin E-mail address: Toya.Colvin@bp.com PHONE: 281-366-7148

For State Use Only

APPROVED BY: [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE 6/12/14

Conditions of Approval (if any):

AV



# GCU 230E

30-045-26010

Unit letter O Sec 23, Town 28N, Range 12W  
San Juan, NM  
Dakota and Simpson Gallup Formation

The purpose of this procedure is to outline the commingling of the Dakota and Simpson Gallup formations with a contingency to P&A the Dakota formation if excessive fishing is required beyond the economic limit.

## **Basic Job Procedure:**

1. Pull rods
2. Pull short tubing string
3. Release long string packer
4. Pull long tubing string
  - a. If unable to pull long string and fishing costs look to exceed the economic limit of the Dakota, proceed to *Contingency to P&A the Dakota formation*
5. Cleanout well
6. Land tubing at  $\pm 6,230'$
7. Run pump and rods
8. Return well to production

## **Contingency to P&A the Dakota Formation Procedure:**

5. Cut tubing at free point above packer (if not already done)
6. Set cement retainer at  $\pm 5,920'$
7. Sting into cement retainer and pump  $\pm 15$  bbls cement
8. Sting out of retainer and place  $\pm 50'$  of cement on top
9. WOC
10. Circulate well clean to top of cement
11. Land tubing at  $\pm 5,683'$
12. Run pump and rods
13. Return well to production

### **Policy Reminder**

Any changes to the written procedure requires an approved MoC  
MoC (except BoD/SoR) approvals during execution have been delegated to the OIL

# Current Wellbore Diagram

## GCU 230E

Current Wellbore



**9.625" Csg TOC: Surface**  
Pump 360 cuft CL B - Ciliated

**7" Csg TOC: Surface**  
Stage 1: pump 628 cuft 50/50 poz and tail w/ 118 cuft CL B; Stage 2: pump 1235 cuft 65/35 poz - circ to surface after both stages

**7" Csg Squeeze: 3498 - 3500'**  
Squeeze with 59 cuft CL B neat

Deviation Survey	
Depth	Deviation
802	0.25
1370	0.5
2730	0.75
4581	1
5108	0.75

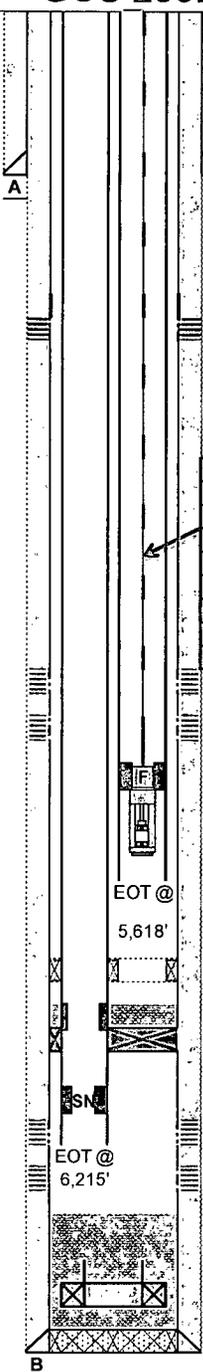
Formation Tops	
Ojo Alamo	150
Fruitland	1145
Pictured Cliffs	1570
Cliff House	3220
Menefee	3345
Point Lookout	3910
Gallup	5230
Dakota	6095

**GALLUP Perfs**  
5471- 5524

5544- 5623  
4 SPF, 528 shots, 0.49"  
Frac w/ 80,000 gal 70Q foam and 130k# 20/40

**DAKOTA Perfs**  
6106- 6116

6180- 6217  
4 SPF, 188 shots, 0.5"  
Frac w/ 65,814 gal 70Q foam and 104k# 20/40



DV tool @ 3,497'

Component	Details	#
Polished rod	1.25" x 26'	1
Sucker Rods	0.875" x 25'	1
Pony Rod	0.875" x 4'	1
Pony Rod	0.875" x 8'	2
Sucker Rods	0.875" x 25'	69
Sucker Rods	0.75" x 25'	146
Sinker Bar	1.5" x 25'	6
RHAC Pump:	2" x 1.25" x 16'	1

F-Nipple at 5,598'

Baker Parallel Anchor @ 5634'

Otis Sliding Sleeve @ 5952'

Baker 47B4 Model A-3 Lockset Pkr at 5954'

Seating Nipple @ 6181'

Chem cut top of fish at 6257'

Fish: Retrievable BP x retr head x 5' of tbog

End of Prod Casing @ 6353'

FIELD	San Juan South		
WELL	GCU 230E		
COUNTY	San Juan, New Mexico		
API No:	30-045-26010		
RKB ELEVATION	5,784	SEC:	23
GL ELEVATION	5,771	TOWN:	28N
RKB-GL	13	RANGE:	12W
Lat: 36.643388		Long: -108.077626	

DIRECTIONAL DATA			
MAX ANGLE	1.000	THRU	4,581
KOP	N/A	TYPE	Vertical

PRODUCTION DETAIL			
	SS Tubing	LS Tubing	Prod Casing
SIZE	2 3/8 "	2 3/8 "	7 "
WEIGHT	4.7ppf	4.7ppf	23ppf
GRADE	J-55	J-55	K-55
DEPTH	5,618'	6,215'	6,353'
THREAD	8R EUE-Slim	8R EUE-Slim	8R ST+C
I.D.	1.995"	1.995"	6.366"
DRIFT	1.901"	1.901"	6.241"
BURST	7700 PSI	7700 PSI	4360 PSI
COLLAPSE	8100 PSI	8100 PSI	3270 PSI
CAPACITY	0.0039 bbl/ft	0.004 bbl/ft	0.03937 bbl/ft
# JOINTS			

PRODUCTION ASSEMBLY DETAIL				
#	O. D.	I. D.	LENGTH	Description
	IN	IN	FT	
<b>SS Tubing BHA</b>				
1	2.375	1.780	0.90	F-Nipple
2	2.375	1.995	18.10	Pup Joint with Muleshoe
<b>LS Tubing BHA</b>				
1	5.375	2.250	1.00	Baker Parallel Anchor
2	2.375	1.995	316.98	Tubing Joints
3	3.090	1.875	2.850	Otis Sliding Sleeve Baker 47B4 Model A-3 Lockset Pkr
4	6.093	2.441	4.500	A-3 Lockset Pkr
5	2.375	1.995	221.99	Tubing Joints
6	2.375	1.780	1.100	Seating Nipple
7	2.375	1.995	32.550	Tubing Joints

CASING DETAIL					
#	SIZE	WGHT	GRADE	THREAD	DEPTH
A	9 5/8	32.3	H-40	8R ST+C	312
B	7	23ppf	K-55	8R ST+C	6,353
C					
D					
E					
F					
G					

PRESSURE DATA	
BOTTOM HOLE PRESSURE	490 PSI
Estimated	
BOTTOM HOLE TEMPERATURE	184°F
Calculated	

Prepared by: Jacob Wendte      Date: 26-Dec-2013

Plug Back Total Depth:	6295	MD	6295	TVD
Total Depth:	6353	MD	6353	TVD

Spud: 10-6-1984      Completed: 11-8-1984      Last Workover: 4/29/2013

# Proposed Wellbore Diagram

## GCU 230E

### Proposed Wellbore

**9.625" Csg TOC: Surface**  
Pump 360 cuft CL B - Cicalated

**7" Csg TOC: Surface**  
Stage 1: pump 628 cuft 50/50 poz and tail w/ 118 cuft CL B; Stage 2: pump 1235 cuft 65/35 poz - circ to surface after both stages

**7" Csg Squeeze: 3498 - 3500'**  
Squeeze with 59 cuft CL B neat

Formation Tops	
Ojo Alamo	150
Fruitland	1145
Pictured Cliffs	1570
Cliff House	3220
Menefee	3345
Point Lookout	3910
Gallup	5230
Dakota	6095

**GALLUP Perfs**  
5471- 5524

5544- 5623  
4 SPF, 528 shots, 0.49"  
Frac w/ 80,000 gal 70Q foam and  
130k# 20/40

**DAKOTA Perfs**  
6106- 6116

6180- 6217  
4 SPF, 188 shots, 0.5"  
Frac w/ 65,814 gal 70Q foam and  
104k# 20/40

Deviation Survey	
Depth	Deviation
802	0.25
1370	0.5
2730	0.75
4581	1
5108	0.75

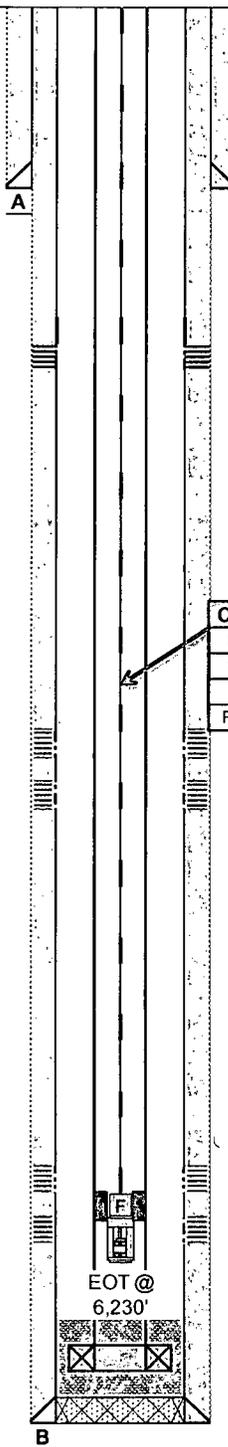
DV tool @ 3,497'

Component	Details	#
Polished rod	1.25" x 26'	1
Sucker Rods	0.75" x 25'	± 236
Sinker Bar	1.5" x 25'	4
RHAC Pump:	2" x 1.25" x 16'	1

F-Nipple at 6,010'

Chem cut top of fish at 6257'  
Fish: Retrievable BP x retr head x 5' of tbg

End of Prod Casing @ 6353'



FIELD:	San Juan South		
WELL:	GCU 230E		
COUNTY:	San Juan, New Mexico		
API No.:	30-045-26010		
RKB-ELEVATION:	5,784	SEC.:	23
GL ELEVATION:	5,771	TOWN.:	28N
RKB-GL:	13	RANGE.:	12W
Lat: 36.643388		Long: -108.077626	

DIRECTIONAL DATA:			
MAX ANGLE	1.000	THRU	4,581
KOP	N/A	TYPE	Vertical

PRODUCTION DETAIL		
	Tubing	Prod Casing
SIZE	2 3/8 "	7 "
WEIGHT	4.7ppf	23ppf
GRADE	J-55	K-55
DEPTH	6,230'	6,353'
THREAD	8R EUE	8R ST+C
I.D.	1.995"	6.366"
DRIFT	1.901"	6.241"
BURST	7700 PSI	4360 PSI
COLLAPSE	8100 PSI	3270 PSI
CAPACITY	0.0039 bbl/ft	0.03937 bbl/ft
# JOINTS		

PRODUCTION ASSEMBLY DETAIL				
#	O. D.	I. D.	LENGTH	Description
	IN	IN	FT	
1	2.375	1.780	0.90	F-Nipple
2	2.375	1.995	20.00	20' tubing pup
3	2.375	1.995	1.00	Mule Shoe
4				
5				
6				
7				
8				
9				
10				
11				
12				

CASING DETAIL					
#	SIZE	WGHT	GRADE	THREAD	DEPTH
A	9 5/8	32.3	H-40	8R ST+C	312
B	7	23ppf	K-55	8R ST+C	6,353
C					
D					
E					
F					
G					

PRESSURE DATA	
BOTTOM HOLE PRESSURE:	490 PSI
Estimated	
BOTTOM HOLE TEMPERATURE:	184°F
Calculated	

Prepared by: Jacob Wendte Date: 28-May-2014

Plug Back Total Depth:	6295	MD	6295	TVD
Total Depth:	6353	MD	6353	TVD

Spud: 10-6-1984 Completed: 11-8-1984 Last Workover: 4/29/2013

# Contingency Wellbore Diagram

## GCU 230E

## Contingency Wellbore

**9.625" Csg TOC: Surface**  
Pump 360 cuft CL B - Circulated

**7" Csg TOC: Surface**  
Stage 1: pump 628 cuft 50/50 poz and tail w/ 118 cuft CL B; Stage 2: pump 1235 cuft 65/35 poz - circ to surface after both stages

**7" Csg Squeeze: 3498 - 3500'**  
Squeeze with 59 cuft CL B neat

Formation Tops	
Ojo Alamo	150
Fruitland	1145
Pictured Cliffs	1570
Cliff House	3220
Menefee	3345
Point Lookout	3910
Gallup	5230
Dakota	6095

**GALLUP Perfs**  
5471- 5524

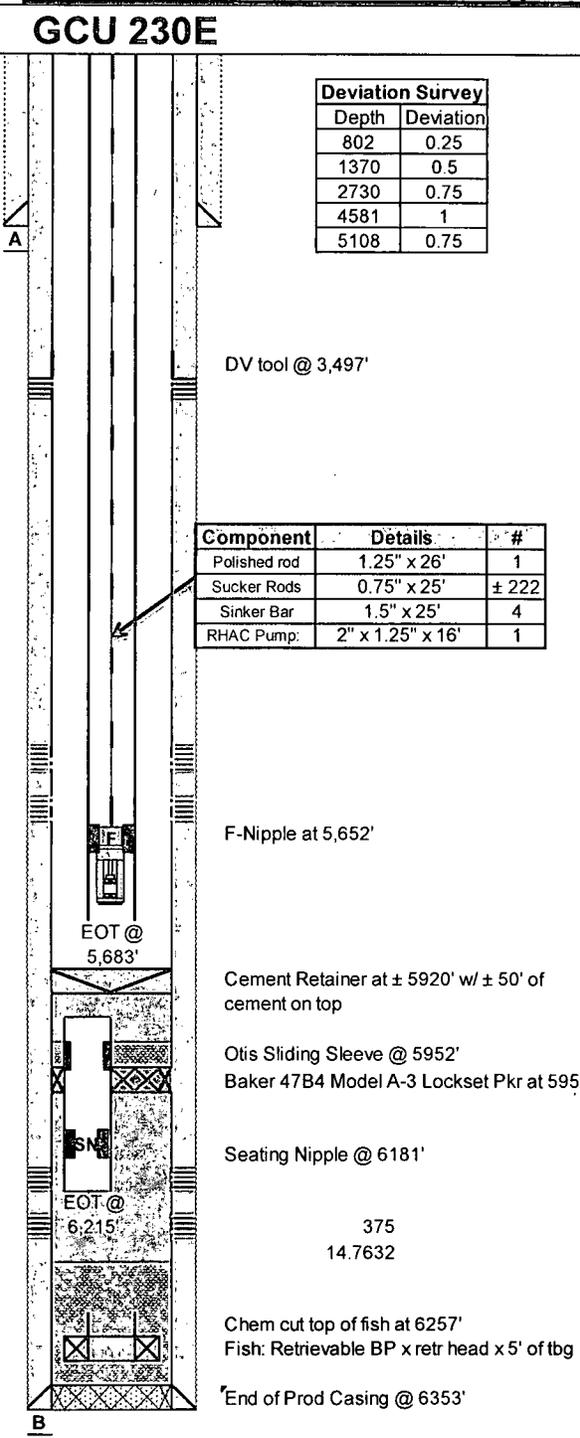
5544- 5623  
4 SPF, 528 shots, 0.49"  
Frac w/ 80,000 gal 70Q foam and 130k# 20/40

**DAKOTA Perfs**  
6106- 6116

6180- 6217  
4 SPF, 188 shots, 0.5"  
Frac w/ 65,814 gal 70Q foam and 104k# 20/40

Deviation Survey	
Depth	Deviation
802	0.25
1370	0.5
2730	0.75
4581	1
5108	0.75

Component	Details	#
Polished rod	1.25" x 26'	1
Sucker Rods	0.75" x 25'	± 222
Sinker Bar	1.5" x 25'	4
RHAC Pump	2" x 1.25" x 16'	1



FIELD	San Juan South		
WELL	GCU 230E		
COUNTY	San Juan, New Mexico		
API No.	30-045-26010		
RKB ELEVATION	5,784	SEC:	23
GL ELEVATION	5,771	TOWN:	28N
RKB-GL	13	RANGE:	12W
Lat: 36.643388		Long: -108.077626	

DIRECTIONAL DATA			
MAX ANGLE	1,000	THRU	4,581
KOP	N/A	TYPE	Vertical

PRODUCTION DETAIL			
	Prod Tubing	Fish Tubing	Prod Casing
SIZE	2 3/8 "	2 3/8 "	7 "
WEIGHT	4.7ppf	4.7ppf	23ppf
GRADE	J-55	J-55	K-55
DEPTH	5,683'	6,215'	6,353'
THREAD	8R EUE-Slim	8R EUE-Slim	8R ST+C
ID	1.995"	1.995"	6.366"
DRIFT	1.901"	1.901"	6.241"
BURST	7700 PSI	7700 PSI	4360 PSI
COLLAPSE	8100 PSI	8100 PSI	3270 PSI
CAPACITY	0.0039 bb/ft	0.004 bb/ft	0.03937 bb/ft

PRODUCTION ASSEMBLY DETAIL				
#	O. D.	I. D.	LENGTH	Description
	IN	IN	FT	

Prod Tubing BHA				
1	2.375	1.780	0.90	F-Nipple
2	2.375	1.995	31.00	Tubing Joint with Muleshoe

Fish Tubing BHA				
1	2.375	1.995	5.00	Cut Tubing Joint
2	3.090	1.875	2.850	Otis Sliding Sleeve
3	6.093	2.441	4.500	Baker 47B4 Model A-3 Lockset
4	2.375	1.995	221.99	Tubing Joints
5	2.375	1.780	1.100	Seating Nipple
6	2.375	1.995	32.550	Tubing Joints

CASING DETAIL					
#	SIZE	WGHT	GRADE	THREAD	DEPTH
A	9 5/8	32.3	H-40	8R ST+C	312
B	7	23ppf	K-55	8R ST+C	6,353
C					
D					
E					
F					
G					

PRESSURE DATA	
BOTTOM HOLE PRESSURE	490 PSI
Estimated	

BOTTOM HOLE TEMPERATURE	175°F
Calculated	

Prepared by: Jacob Wendte      Date: 26-Dec-2013

Plug Back Total Depth:	5870	MD	5870	TVD	Spud: 10-6-1984	Completed: 11-8-1984	Last Workover: 4/29/2013
Total Depth:	6353	MD	6353	TVD			

**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**

<sup>1</sup> API Number <b>30-045-26010</b>		<sup>2</sup> Pool Code <b>71599</b>		<sup>3</sup> Pool Name <b>Basin Dakota</b>	
<sup>4</sup> Property Code <b>000570</b>		<sup>5</sup> Property Name <b>Gallegos Canyon Unit</b>			<sup>6</sup> Well Number <b>230E</b>
<sup>7</sup> OGRID No. <b>000778</b>		<sup>8</sup> Operator Name <b>BP America Production Company</b>			<sup>9</sup> Elevation <b>5771</b>

<sup>10</sup> Surface Location

UL or lot no. <b>O</b>	Section <b>23</b>	Township <b>28N</b>	Range <b>12W</b>	Lot Idn	Feet from the <b>1070</b>	North/South line <b>South</b>	Feet from the <b>1630</b>	East/West line <b>East</b>	County <b>San Juan</b>
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<sup>11</sup> 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
<sup>12</sup> Dedicated Acres <b>320</b>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No. <b>R-11567</b>						

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.

16				

**<sup>17</sup> 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* 04/04/2014  
Signature Date

Toya Colvin  
Printed Name

Toya.Colvin@bp.com  
E-mail Address


1070'

1630'

**<sup>18</sup> 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

OIL CONS. DIV DIST. 3

JUN 12 2014

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

<sup>1</sup> API Number 30-045-26010		<sup>2</sup> Pool Code 56600		<sup>3</sup> Pool Name Simpson Gallup	
<sup>4</sup> Property Code 000570		<sup>5</sup> Property Name Gallegos Canyon Unit			<sup>6</sup> Well Number 230E
<sup>7</sup> OGRID No. 000778		<sup>8</sup> Operator Name BP America Production Company			<sup>9</sup> Elevation 5771

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	23	28N	12W		1070	South	1630	East	San Juan

<sup>11</sup> 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
<sup>12</sup> Dedicated Acres 80		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> Order No. R-11567			

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.

16					<p><b><sup>17</sup> OPERATOR CERTIFICATION</b></p> <p><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></p> <p><i>Toya Colvin</i> 6/12/14 Signature Date</p> <p>Toya Colvin Printed Name</p> <p>Toya.Colein@bp.com E-mail Address</p>	
						<p><b><sup>18</sup> SURVEYOR CERTIFICATION</b></p> <p><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></p> <p>Date of Survey Signature and Seal of Professional Surveyor:  Previously Filed</p> <p>Certificate Number</p>