

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

Form C-103
Revised July 18, 2013

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

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. 30-045-06935
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator BP America Production Company		6. State Oil & Gas Lease No. Federal CA 92000844
3. Address of Operator 501 Westlake Park Blvd. Houston, TX 77079		7. Lease Name or Unit Agreement Name Gallegos Canyon Unit
4. Well Location Unit Letter <u>D</u> : <u>850</u> feet from the <u>North</u> line and <u>920</u> feet from the <u>West</u> line Section <u>5</u> Township <u>27N</u> Range <u>12W</u> NMPM County <u>San Juan</u>		8. Well Number 194
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5603'		9. OGRID Number 000778
		10. Pool name or Wildcat Basin Dakota

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	ROVD APR 4 '14 OIL CONS. DIV. DIST. 3
DOWNHOLE COMMINGLE <input checked="" type="checkbox"/>			
CLOSED-LOOP SYSTEM <input checked="" type="checkbox"/>			
OTHER: Recompletion <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

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 applied for and received approval to recomplete and downhole commingle the subject well 05/03/2013, DHC 3833 AZ. BP America Production Company requests permission amend the procedure to re-complete into the Basin Mancos by setting a CIBP over the Basin Dakota, establishing a steady rate in the Mancos, then remove the CIBP & downhole commingle production with the existing Basin Dakota.

The Dakota (71599) & the Basin Mancos (97232) 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 DK 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 Basin Mancos.

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, wellbore schematics & C-102 plats. BLM notified via 3160-5 form for Federal CA 92000844

Spud Date: 10/10/1965

Rig Release Date:

* Prior to Refs provide CDL to OGD for Review *

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 04/01/2014

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 4/7/14

Conditions of Approval (if any):



GCU 194

30-045-06935

Unit letter D SEC. 5, T27N, R12W
San Juan, NM
Dakota Formation

The purpose of this procedure is to outline the completion of the Cha-Cha SW trend in the Gallup (Mancos) and commingling with the currently producing Dakota.

Basic Job Procedure:

1. Pull tubing
2. Set CIBP at $\pm 5,700'$
3. Pressure test CIBP and casing to verify integrity
4. Run CBL (segmented) from the CIBP to surface.
5. Dump $\pm 20'$ of sand on CIBP
6. MIT wellbore
7. Recomplete to the Gallup (Mancos) with the following proposed perforations: $\pm 5,140 - 5,152'$
8. Produce well for ± 6 months from Gallup only
9. Commingle well and cleanout/deepen PBTD to $\pm 5'$ above the 5.5" casing shoe to $\pm 5,910'$
10. Land tubing at $\pm 5,879'$ and 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 OTL

Current Wellbore Diagram

GCU 194

Current Wellbore 

8.625" Csg TOC: Surface
Pumped 250 sx Type C

5.5" Csg TOC: Surface
First Stage: pumped 300 sx "C" w/6% gel and 2 lb/sx Tuf Plug followed by 100 sx neat; Second Stage: pumped 800 sx "C" w/6% gel and 2 lb/sx Tuf Plug — Circulated 3 bbls cement

Formation Tops	
Pictured Cliffs	1147
Cliff House	2945
Marcos	3945
Gallup	4780
Greenhorn	5623
Dakota	5793

Deviation Survey	
Depth	Deviation
364	0.5
1560	0.75
1849	1
1986	0.75
2400	1
2980	0.75
3746	1.5
4218	1.25
5186	0.75
5910	0.5

DV tool at 4,057'

DAKOTA Perfs 5750 - 5767

4 SPF, 68 shots - Frac w/ 25k# 20/40 & 5k#
10/20 & 34k gal wtr at 70.5 bpm at 3165 psi

5798 - 5822

3 SPF, 252 shots - Frac w/ 40k# 20/40 & 10k#
10/20 & 42k gal wtr at 97.2 bpm at 3050 psi

EOT @
5,774'

Baker Mod "B" Nipple

End of Prod Casing @ 5915

FIELD	San Juan South		
WELL	GCU 194		
COUNTY	San Juan, New Mexico		
API No.	30-045-06935		
RKB ELEVATION	5,603	SEC:	5
GL ELEVATION	5,591	TOWN:	27N
RKB-GL	12	RANGE:	12W
Lat: 36.60917		Long: -108.14005	

DIRECTIONAL DATA

MAX ANGLE	1.500	THRU	3,746
KOP	N/A	TYPE	Vertical

PRODUCTION DETAIL

	TUBING	Prod Casing	
SIZE	2 3/8 "	5 1/2 "	
WEIGHT	4.7ppf	14ppf	15.5ppf
GRADE	J-55	J-55	J-55
DEPTH	5,774'	0 - 4530	4530 - 5915
THREAD	8R EUE	ST+C	ST+C
I.D.	1.995"	5.012"	4.950"
DRIFT	1.901"	4.887"	4.825"
BURST	7700 PSI	4270 PSI	4810 PSI
COLLAPSE	8100 PSI	3120 PSI	4040 PSI
CAPACITY	0.0039 bbl/ft	#####	#####
# JOINTS			

PRODUCTION ASSEMBLY DETAIL

#	O. D. IN	I. D. IN	LENGTH FT	Description
1	2.375		1.00	Baker Model "B" Nipple
2	2.375	1.995	6.18	Perforated Sub
3	2.375	1.995	30.98	Orange Peel Joint
4				
5				
6				
7				
8				
9				
10				
11				
12				

CASING DETAIL

#	SIZE	WGHT	GRADE	THREAD	DEPTH
A	8 5/8	24	J-55	ST+C	365
B	5 1/2	15.5ppf	J-55	ST+C	4530 - 5915
B		14ppf	J-55	ST+C	0 - 4530
C					
D					
E					
F					

PRESSURE DATA

BOTTOM HOLE PRESSURE	529 PSI
Estimated	

BOTTOM HOLE TEMPERATURE	146°F
Calculated	

Prepared by: Jacob Wendte Date: 27-Mar-2014

Plug Back Total Depth:	5880	MD	5880	TVD	Spud: 10/10/1965 Completed: 11/8/1965 Last Workover:
Total Depth:	5915	MD	5915	TVD	

BP Confidential

Proposed Wellbore Diagram

GCU 194

Comminge Wellbore  bp

8.625" Csg TOC: Surface
Pumped 250 sx Type C
5.5" Csg TOC: Surface
First Stage: pumped 300 sx "C" w/6% gel and 2 lb/sx Tuf Plug followed by 100 sx neat; Second Stage: pumped 800 sx "C" w/6% gel and 2 lb/sx Tuf Plug --- Circulated 3 bbls cement

Formation Tops	
Pictured Cliffs	1147
Cliff House	2945
Mancos	3945
Gallup	4780
Greenhorn	5623
Dakota	5793

Gallup Perforations

5140 - 5152

DAKOTA Perfs

5750 - 5767

4 SPF, 68 shots - Frac w/ 25k# 20/40 & 5k# 10/20 & 34k gal wtr at 70.5 bpm at 3165 psi

5798 - 5822

3 SPF, 252 shots - Frac w/ 40k# 20/40 & 10k# 10/20 & 42k gal wtr at 97.2 bpm at 3050 psi

Deviation Survey	
Depth	Deviation
364	0.5
1560	0.75
1849	1
1986	0.75
2400	1
2980	0.75
3746	1.5
4218	1.25
5186	0.75
5910	0.5

DV tool at 4,057'

Component	Details	#
Polished rod	1.25 x 26'	1
Pony Rod	.75" x 6'	1
Pony Rod	.75" x 8'	2
Sucker Rods "D"	.75" x 25'	229
Sinker Bars	1.5" x 25'	4
RHAC Pump	2" x 1.25" x 14'	1

F-Nipple at ± 5847'

EOT @
5,879'

End of Prod Casing @ 5915

FIELD	San Juan South		
WELL	GCU 194		
COUNTY	San Juan, New Mexico		
API No.	30-045-06935		
RKB ELEVATION	5,603	SEC:	5
GL ELEVATION	5,591	TOWN:	27N
RKB-GL	12	RANGE:	12W
Lat: 36.60917		Long: -108.14005	

DIRECTIONAL DATA			
MAX ANGLE	1.500	THRU	3,746
KOP	N/A	TYPE	Vertical

PRODUCTION DETAIL			
	TUBING	Prod Casing	
SIZE	2 3/8 "	5 1/2 "	
WEIGHT	4.7ppf	14ppf	15.5ppf
GRADE	J-55	J-55	J-55
DEPTH	5,879'	0 - 4530	4530 - 5915
THREAD	8R EUE	ST+C	ST+C
I.D.	1.995"	5.012"	4.950"
DRIFT	1.901"	4.887"	4.825"
BURST	7700 PSI	4270 PSI	4810 PSI
COLLAPSE	8100 PSI	3120 PSI	4040 PSI
CAPACITY	0.00387 bbl/ft	#####	#####
# JOINTS			

PRODUCTION ASSEMBLY DETAIL				
#	O. D.	I. D.	LENGTH	Description
	IN	IN	FT	
1	2.375	1.780	1.00	F-Nipple
2	2.375	1.995	31.00	Mule Shoe w/weep hole
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				

CASING DETAIL					
#	SIZE	WGHT	GRADE	THREAD	DEPTH
A	8 5/8	24	J-55	ST+C	365
B	5 1/2	15.5ppf	J-55	ST+C	4530 - 5915
B		14ppf	J-55	ST+C	0 - 4530
C					
D					
E					
F					

PRESSURE DATA	
BOTTOM HOLE PRESSURE	1650 PSI
Estimated	
BOTTOM HOLE TEMPERATURE	147°F
Calculated	

Prepared by: Jacob Wendte	Date: 27-Mar-2014
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Plug Back Total Depth:	5910	MD	5910	TVD		Spud: 10/10/1965	Completed: 11/8/1965	Last Workover:
Total Depth:	5915	MD	5915	TVD				

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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 30-045-06935		² Pool Code 71599		³ Pool Name Basin Dakota	
⁴ Property Code 000570		⁵ Property Name Gallegos Canyon Unit			⁶ Well Number 194
⁷ OGRID No. 000778		⁸ Operator Name BP America Production Company			⁹ Elevation 5603

¹⁰ Surface Location

UL or lot no. D	Section 5	Township 27N	Range 12W	Lot Idn	Feet from the 850	North/South line North	Feet from the 920	East/West line West	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 319.94		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ 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 	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>	
	 Signature Date 4/01/2014	
	Tova Colvin Printed Name Tova.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		

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Revised July 16, 2010
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District Office
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-06935	² Pool Code 97232	³ Pool Name Basin Mancos
⁴ Property Code 000570	⁵ Property Name Gallegos Canyon Unit	⁶ Well Number 194
⁷ OGRID No. 000778	⁸ Operator Name BP America Production Company	⁹ Elevation 5603

¹⁰ Surface Location

UL or lot no. D	Section 5	Township 27N	Range 12W	Lot Idn	Feet from the 850	North/South line North	Feet from the 920	East/West line West	County San Juan
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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 319.94	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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.

¹⁶ 920' 850'	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> 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	