

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

WELL API NO. 30-045-07228
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. Navajo Lease
7. Lease Name or Unit Agreement Name Gallegos Canyon Unit
8. Well Number 176
9. OGRID Number 000778
10. Pool name or Wildcat Basin Dakota

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 <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other	
2. Name of Operator BP America Production Company	
3. Address of Operator 501 Westlake Park Blvd. Houston, TX 77079	
4. Well Location Unit Letter <u>C</u> : <u>800</u> feet from the <u>North</u> line and <u>2180</u> feet from the <u>West</u> line Section <u>25</u> Township <u>28N</u> Range <u>13W</u> NMPM County <u>San Juan</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5983'	

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"/>	RCVD FEB 18 '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 America Production Company requests permission 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.

* Perm to PERM Subm. & COL & AGENCIES for Review

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.

DHC 3858 AZ *

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 plat. BLM notified via 3160-5 form for Navajo lease I-149-IND-8471

Spud Date: 08/31/1964

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 02/14/2014

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 FEB 28 2014



BP - San Juan Wellwork Procedure

GCU 176

30-045-07228

Unit letter C SEC. 25, T28N, R13W
San Juan, NM
Dakota Formation

The purpose of this procedure is to outline the isolation of the Dakota formation and completion of the lower Cha-Cha trend in the Gallup (Mancos).

Basic Job Procedure:

1. Pull tubing
2. Set CIBP at +/-6,200' to isolate Dakota formation
3. Pressure test CIBP and casing to verify integrity
4. Run CBL from the CIBP to surface.
5. Dump +/-20' of sand on CIBP
6. MIT wellbore
7. Recomplete to the Gallup (Mancos) with the following proposed perforations: +/-5696 - 5708'
8. Land tubing at +/-5,792' and produce well to obtain production data from lower Cha-Cha
9. Drill out CIBP and commingle Dakota and Gallup
10. Produce well

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 176

Current Wellbore



FIELD	San Juan South		
WELL	GCU 176		
COUNTY	San Juan, New Mexico		
API No.	30-045-07228		
RKB ELEVATION	5,983	SEC:	25
GL ELEVATION	5,971	TOWN:	28N
RKB-GL	12	RANGE:	13W
Lat: 36.638292		Long: -108.172116	

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

PRODUCTION DETAIL		
	TUBING	Prod Csg
SIZE	2 3/8 "	4 1/2 "
WEIGHT	4.7ppf	10.5ppf
GRADE	J-55	J-55
DEPTH	6,322'	6,402'
THREAD	8R EUE	8R ST+C
I.D.	1.995"	4.052"
DRIFT	1.901"	3.927"
BURST	7700 PSI	4790 PSI
COLLAPSE	8100 PSI	4010 PSI
CAPACITY	0.00387 bbl/ft	0.01595 bbl/ft
# JOINTS	219	

PRODUCTION ASSEMBLY DETAIL				
#	O. D.	I. D.	LENGTH	Description
	IN	IN	FT	
1	2.375	1.875	0.95	X-Profile
2	2.375	1.995	4.07	4' Tubing Sub
3	2.375	1.875	0.94	X-Profile
4	2.375	2.041	2.25	Mule Shoe
5				
6				
7				
8				
9				
10				
11				
12				

CASING DETAIL				
#	SIZE	WGHT	GRADE	THREAD
A	8 5/8	24	J-55	8R ST+C
B	4 1/2	10.5ppf	J-55	8R ST+C
C				
D				
E				
F				
G				

PRESSURE DATA	
BOTTOM HOLE PRESSURE	609 PSI
Estimated	
BOTTOM HOLE TEMPERATURE	153°F
Calculated	

Prepared by: Jacob Wendte Date: 24-Sep-2013

Deviation Survey	
Depth	Deviation
362	0.5
830	0.5
1000	0.5
1500	0.75
1835	1.25
2330	1.25
2575	1
3177	1.5
3750	1.5
4211	2
4500	0.75
4686	1
5220	1
6050	1

DV tool @ 4506'

X-Nipple @ 6315'

X-Nipple @ 6319'

End of Prod Csg @ 6402'

8.625" Casing TOC: Surface
Pumped 225 sx cement w/ 2% cacl and circulated to surface

4.5" Casing TOC: ?
Stage 1: Pumped 400 sx type C cmt and 5% gel w/2lb/sx medium tuf plug follow by 100 sx type C neat w/7lb/sx salt; Stage 2: Pumped 1000 sx type C w/6% gel and 2 lb/sx Medium Tuf Plug

DAKOTA Perforations

4 SPF

6246- 6261

Above perms not stimulated

6313- 6330

Frac'd with 47,420 gal water w/ 0.8% KCL & 2lb/100 gal FR-8 and 40,000 lbs 20-40 and 10,000 lbs 10-20 sand. Breakdown @ 1800psi w/avg treating psi 3370 psi @ 46.9bpm

X

X

EOT @
6,322

B

Plug Back Total Depth:	6369	MD	6369	TVD
Total Depth:	6402	MD	6402	TVD

Spud: 8-31-1964

Completed: 10-6-1964

Last Workover: 6-19-2008

Proposed Wellbore Diagram

GCU 176

Proposed Wellbore

8.625" Casing TOC: Surface
Pumped 225 sx cement w/ 2% cacl and circulated to surface

4.5" Casing TOC: ?
Stage 1: Pumped 400 sx type C cmt and 5% gel w/2lb/sx medium tuf plug follow by 100 sx type C neat w/7lb/sx salt; Stage 2: Pumped 1000 sx type C w/6% gel and 2 lb/sx Medium Tuf Plug

Deviation Survey	
Depth	Deviation
362	0.5
830	0.5
1000	0.5
1500	0.75
1835	1.25
2330	1.25
2575	1
3177	1.5
3750	1.5
4211	2
4500	0.75
4686	1
5220	1
6050	1

DV tool @ 4506'

1/4" SS line banded (2 bands per jt) to tubing

Component	Details	#
Polished Rod	1.25" x 22'	1
Sucker Rods "D"	.75" x 25'	
Sinker Bar	1.25" x 25'	4
Pump	2" x 1.25" x 14' RHAC	1

Lower Cha-Cha Perforations
± 5696 - 5708

DAKOTA Perforations
4 SPF
6246- 6261
Above perms not stimulated

6313- 6330
Frac'd with 47,420 gal water w/ 0.8% KCL & 2lb/100 gal FR-8 and 40,000 lbs 20-40 and 10,000 lbs 10-20 sand. Breakdown @ 1800psi w/avg treating psi 3370 psi @ 46.9bpm

F-Nipple @ ± 6307'

EOT @ ± 6340

End of Prod Csg @ 6402'

FIELD	San Juan South		
WELL	GCU 176		
COUNTY	San Juan, New Mexico		
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GL ELEVATION	5,971	TOWN:	28N
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COLLAPSE	8100 PSI	4010 PSI
CAPACITY	0.00387 bbl/ft	0.01595 bbl/ft
# JOINTS		

PRODUCTION ASSEMBLY DETAIL				
#	O. D.	I. D.	LENGTH	Description
	IN	IN	FT	
1	2.375	1.875	0.95	F-Profile
2	2.375	1.995	26.00	Pup jt w/0.25' weep hole
3	2.875	1.995	1.00	Injection Mandrel
4	2.375	1.995	4.00	4' pup
5	2.375	1.995	1.000	Mule Shoe
6				
7				
8				
9				
10				
11				
12				

CASING DETAIL					
#	SIZE	WGHT	GRADE	THREAD	DEPTH
A	8 5/8	24	J-55	8R ST+C	362
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D					
E					
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G					

PRESSURE DATA	
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Prepared by: Jacob Wendte Date: 24-Sep-2013

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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

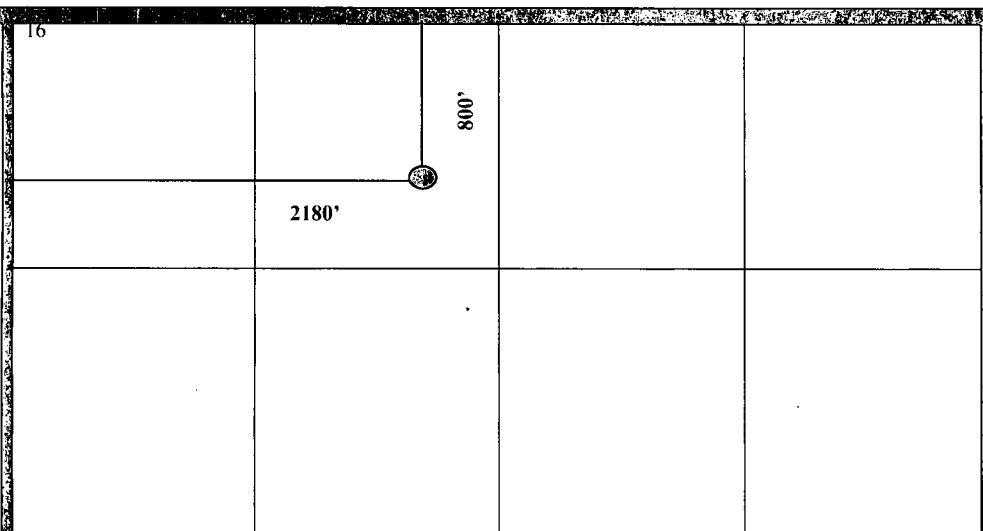
WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-07228		² Pool Code 71599		³ Pool Name Basin Dakota	
⁴ Property Code 000570		⁵ Property Name Gallegos Canyon Unit			⁶ Well Number 176
⁷ OGRID No. 000778		⁸ Operator Name BP America Production Company			⁹ Elevation 5983

¹⁰ Surface Location									
UL or lot no. C	Section 25	Township 28N	Range 13W	Lot Idn	Feet from the 800	North/South line North	Feet from the 2180	East/West line West	County San Juan

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-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.



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 leased 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 2/11/14
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
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1301 W. Grand Avenue, Artesia, NM 88210
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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 30-045-07228	² Pool Code 97232	³ Pool Name Basin Mancos
⁴ Property Code 000570	⁵ Property Name Gallegos Canyon Unit	⁶ Well Number 176
⁷ OGRID No. 000778	⁸ Operator Name BP America Production Company	⁹ Elevation 5983

¹⁰ Surface Location

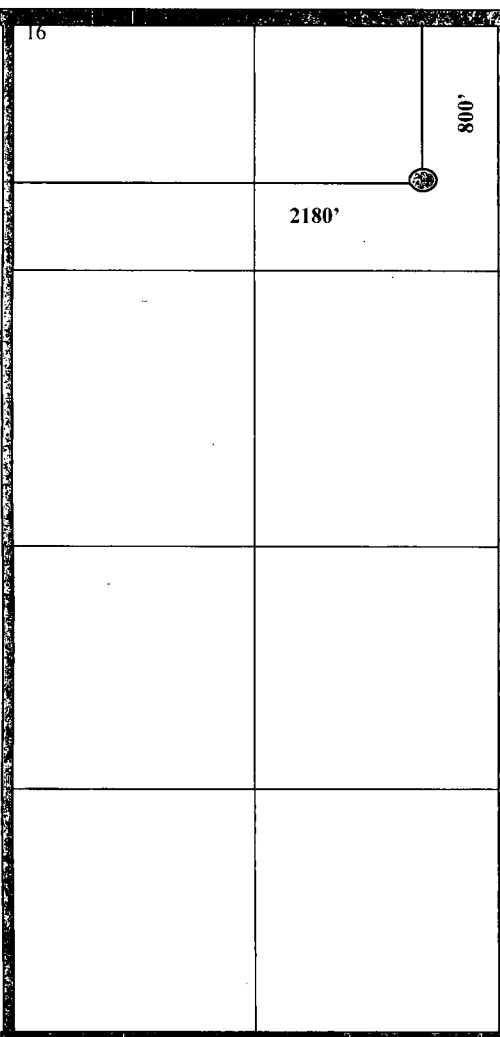
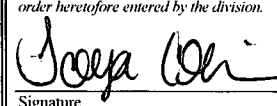
UL or lot no. C	Section 25	Township 28N	Range 13W	Lot Idn	Feet from the 800	North/South line North	Feet from the 2180	East/West line West	County San Juan
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¹¹ Bottom Hole Location If Different From Surface

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 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-11567						

RECEIVED FEB 10 11 14
OIL CONS. DIV.
DIST 3

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>  2/11/14 Signature _____ Date _____ 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 _____	