

State of New Mexico  
Energy, Minerals and Natural Resources Department

**Susana Martinez.**  
Governor

**David Martin**  
Cabinet Secretary-Designate

**Brett F. Woods, Ph.D.**  
Deputy Cabinet Secretary

**Jami Bailey, Division Director**  
Oil Conservation Division



New Mexico Oil Conservation Division approval and conditions listed below are made in accordance with OCD Rule 19.15.7.11 and are in addition to the actions approved by BLM on the following 3160-4 or 3160-5 form.

Operator Signature Date:

Application Type:

☐ P&A    ☐ Drilling/Casing Change    ☒ Recomplete/DHC  
☐ Location Change    ☐ Other: \_\_\_\_\_

Well information:

API WELL #	Well Name	Well #	Operator Name	Type	Stat	County	Surf. Owner	UL	Sec	Twp	N/S	Rng	W/E
30-045-25202-00-00	GALLEGOS CANYON UNIT	174E	BP AMERICA PRODUCTION COMPANY	G	A	San Juan	F	E	28	28	N	12	W

Conditions of Approval:

Notify NMOCD 24hrs prior to beginning operations

Prior to perfs provide CBL to agencies for review

Need approved NSL for Basin Mancos prior to production

NMOCD Approved by Signature

2-21-14  
Date

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMSF078828A
2. Name of Operator BP AMERICA PRODUCTION CO Contact: TOYA COLVIN E-Mail: Toya.Colvin@bp.com		6. If Indian, Allottee or Tribe Name EASTERN NAVAJO
3a. Address 200 ENERGY COURT FARMINGTON, NM 87401	3b. Phone No. (include area code) Ph: 281-366-7148	7. If Unit or CA/Agreement, Name and/or No. 892000884F
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 28 T28N R12W SWNW 1450FNL 0410FWL 36.636640 N Lat, 108.123900 W Lon		8. Well Name and No. GALLEGOS CANYON UNIT 174E
		9. API Well No. 30-045-25202-00-S1
		10. Field and Pool, or Exploratory BASIN DAKOTA
		11. County or Parish, and State SAN JUAN COUNTY, NM

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

BP America Production Company respectfully request permission to re-complete into the Basin Mancos by setting a CIBP over the Dakota, establishing a steady rate in the Basin Mancos, then remove the CIBP and downhole commingle the well with the existing Dakota.

RCVD FEB 19 '14  
OIL CONS. DIV.

The Basin 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.

DIST. 3

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

DHC 3857 AZ

14. I hereby certify that the foregoing is true and correct. Electronic Submission #235552 verified by the BLM Well Information System For BP AMERICA PRODUCTION CO, sent to the Farmington Committed to AFMSS for processing by STEVE MASON on 02/14/2014 (14SXM1636SE)	
Name (Printed/Typed) TOYA COLVIN	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 02/13/2014

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By <u>STEPHEN MASON</u>	Title <u>PETROLEUM ENGINEER</u>	Date <u>02/14/2014</u>
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office Farmington

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

NMOCD

**Additional data for EC transaction #235552 that would not fit on the form**

**32. Additional remarks, continued**

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 plat. NMOCD notified via C-103 form.



## BP - San Juan Wellwork Procedure

**GCU 174E**  
**30-045-25202**

Unit letter E SEC. 28, T28NN, R12WW  
1450' FNL, 410' FWL  
San Juan, NM

### **Reason/Background for Job**

The proposed work is to re-complete the GCU 221E to Basin Mancos (Gallup formation). The Dakota will be isolated and Mancos (Gallup) will be produced by itself for approx. 6 months. After 6 months, drill out CIBP to open the Dakota and commingle production.

1. Pull tubing
2. Set bridge plug to isolate Dakota
3. MIT wellbore
4. Run CBL
5. Recomplete Mancos (Gallup) 5294'-5304' +/-
6. Produce Mancos (Gallup) for approx. 6 months
7. Drill out bridge plug
8. Produce well - downhole commingle

Current Wellbore Diagram

**GCU 174EDK**  
Dakota  
API# 30-045-25202  
Unit Sec 28 T28N R 12W  
San Juan County, New Mexico

History

10./27/82 Spud date  
11/18/82: Completion date  
1/25/2013: Wireline to retrieve stuck plunger  
Tagged plunger in the tubing hanger  
Get plunger free. Pads were damaged on plunger  
Broached to 5934'. Worked through a tight spot  
at 5'. Pulled stop at 5934'. Gauge ring tagged  
unknown object at 5934'. Impression block  
showed a shaft rod with flat top. Fished a collet  
stop with a 2-slp stop. Tagged fill at 5919' EOT  
at 5936'. Set a new 2-slp stop at 5933'.  
6-19/2013: Test Tubing. No hole

Formation Tops (ft)

Frutland	700
Pictured Cliffs	1320
Chinle	2250
Menefee	2608
Gallup	4448
Greenhorn	5760
Dakota	8166

Plunger Stop @ 5936

Profile Nipple @ 5952

EOT @ 5966

GL 5803  
KG 5816

12 1/2" Hole  
6 1/2" 24# @ 327  
354 sbs class B-NEAT 2% CaCl2  
TOC @ surface:

TOC @ surface:

DN Tool @ 4216

Tubing details

Tbg 2 1/2" 4 7# N80 (185,5)  
Sealing Nipple  
Tbg 2 1/2" 4 7# N80 (185,5)  
Saw Tooth Collar

Proposed Manco Perfs

5244-5305

Dakota Perforations

5670-5904 w/ 2spl  
5908-5908 w/ 2spl  
5942-5976 w/ 2spl  
5982-6004 w/ 2spl  
Frac'd w/ 117 000 gal 75G foam  
& 150750# 20/40 sand

Prod Casing

7 1/2" hole  
4 1/2" 10 5# K55 casing @ 6076  
stage 1 - 55G cult Class B  
stage 2 - 3228 cult Class B  
Cement circulated to surface

FBTD 5832  
TO 6076

**Proposed Wellbore Diagram-Mancos (Gallup) Production**

**OCU 174E DK**  
Dakota  
API # 39-045-25202  
Unit Sec 28 T28N R 12W  
San Juan County, New Mexico

**History**

10/27/82: Spud date  
11/18/82: Completion date  
1/25/2013: Wireline to retrieve snick plunger  
Tagged plunger in the tubing hanger  
Got plunger free. Pads were damaged on plunger  
Breached to 5934'. Worked through a tight spot  
at 5'. Pulled stop at 5934'. Gauge ring tagged  
unknown object at 5934'. Impression block  
showed a shaft rod with flat top. Fished a collene  
stop with a 2-slip stop. Tagged fill at 6019'. EOT  
at 5936'. Set a new 2 slip stop at 5933'.  
6/19/2013: Test Tubing. No hole

**Formation Tops (ft)**

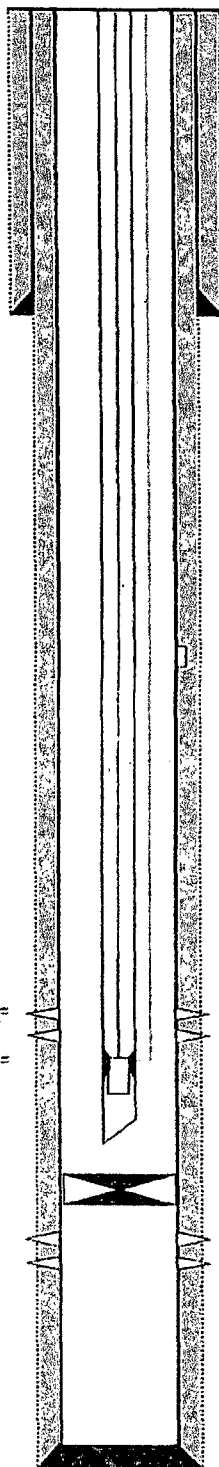
Fruitland	700
Pictured Cliffs	1320
Cliff House	2230
Menefee	2500
Gallup	4846
Greenhorn	5790
Dakota	6166

F Nipple @ 5364'±

EOT @ 5397'±

Cast Iron Bridge  
Plug @ 5820'±

GL 5803  
KB 5818



PBTD 6032  
TD 6076'

12 1/2" Hole  
8 1/2" 24# @ 327  
354 sbs class B NEAT 2% CaCl2  
TOC @ surf (circ)

TOC @ surf (circ)

DV Tool @ 4219

**Tubing details**

Tbg 2 1/2" 4.7# J-55  
F Nipple 1.78" ID  
Tbg 2 1/2" 4.7# J-55

1" 55 Capillary String  
(banded outside prod tubing)

**Proposed Mancos Perfs**

5294'-5305'

**Dakota Perforations**

5870'-5884' w/ 2spt  
5898'-5906' w/ 2spt  
5942'-5976' w/ 2spt  
5982'-6004' w/ 2spt  
Fract'd w/ 117,000 gals 75Q foam  
\$150,750# 20/40 sand

**Prod Casing**

7 1/2" hole  
4 1/2" 10.5# K55 casing @ 6076'  
**stage 1 - 380 cuft Class B**  
**stage 2 - 3228 cuft Class B**  
Cement circulated to surface

# Proposed Wellbore Diagram-Mancos (Gallup) & Dakota Production



**GCU 174E DK**  
Dakota  
API # 30-045-25202  
Unit Sec 26 T28N R 12W  
San Juan County, New Mexico

## History

10/27/82: Spud date  
11/18/82: Completion date  
1/25/2013: Winch to retrieve stuck plunger  
Tagged plunger in the tubing hanger  
Got plunger free. Pads were damaged on plunger  
Broached to 5934'. Worked through a tight spot  
at 8'. Pulled stop at 5934'. Gauge ring tagged  
unknown object at 5934'. Impression block  
showed a shaft/rod with flat top. Fished a collet  
stop with a J-slip stop. Tagged fill at 6019'. EOT  
at 5955'. Set a new J-slip stop at 5933'.  
6/19/2013: Test Tubing. No hole

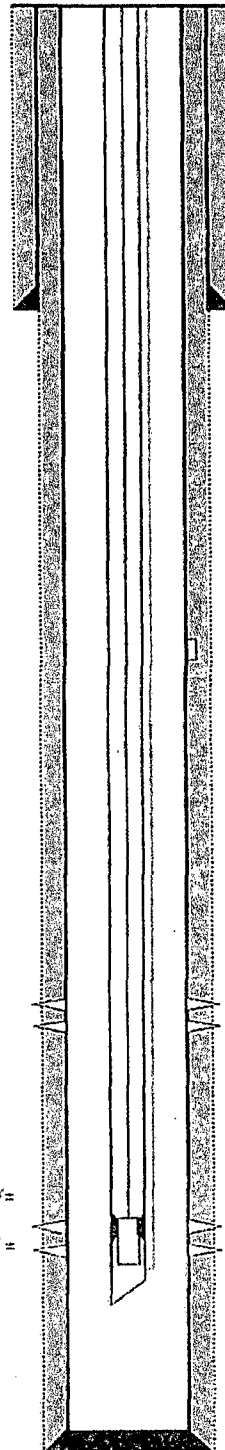
## Formation Tops (ft)

Frutland	700
Pictured Cliffs	1320
Cleft House	2230
Menefee	2600
Gallup	4646
Greenhorn	5750
Dakota	6166

F Nipple @ 6010' =

EOT @ 6043' =

GL 5603'  
KB 5616'



12 1/4" Hole  
3 1/2" 24# @ 327  
354 lbs class B NEAT 2% CaCl2  
TOC @ surf (conc)

TOC @ surf (conc)

DV Tool @ 4218

## Tubing details

Tbg 2 3/4" 4 7# J-55  
F Nipple 1 7/8" ID  
Tbg 2 3/4" 4 7# J-55

1/4" SS Capillary String  
(banded outside prod tubing)

## Proposed Mancos Perfs

5234'-5305'

## Dakota Perforations

5870'-5884' w/ 2spl  
5888'-5906' w/ 2spl  
5942'-5976' w/ 2spl  
5982'-6004' w/ 2spl  
Frac'd w/ 117,000 gals 750 lb/cm  
6150,750# 20-40 sand

## Prod Casing

7 1/4" hole  
4 1/4" 10 5# KES casing @ 6078'  
stage 1 - 680 cuft Class B  
stage 2 - 3228 cuft Class B  
Cement circulated to surface

P&TD 6032  
TD 6078'

**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 30-045-25202	<sup>2</sup> Pool Code 97232	<sup>3</sup> Pool Name Basin Mancos
<sup>4</sup> Property Code 000570	<sup>5</sup> Property Name Gallegos Canyon Unit	<sup>6</sup> Well Number 174E
<sup>7</sup> OGRID No. 000778	<sup>8</sup> Operator Name BP America Production Company	<sup>9</sup> Elevation 5603

**<sup>10</sup> Surface Location**

UL or lot no. E	Section 28	Township 28N	Range 12W	Lot Idn	Feet from the 1450	North/South line North	Feet from the 410	East/West line West	County San Juan
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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 RCVD	County FEB 19 '14
<sup>12</sup> Dedicated Acres 320	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No. R-11567			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.

	<b><sup>17</sup> OPERATOR CERTIFICATION</b>	
	<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: <i>Tova Colvin</i> Date: <i>2/13/14</i> Tova Colvin Printed Name Tova.Colvin@bp.com E-mail Address	
	<b><sup>18</sup> SURVEYOR CERTIFICATION</b>	
<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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Form C-102

Revised July 16, 2010

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District Office

☐ AMENDED REPORT**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number 30-045-25202		<sup>2</sup> Pool Code 71599		<sup>3</sup> Pool Name Basin Dakota	
<sup>4</sup> Property Code 000570		<sup>5</sup> Property Name Gallegos Canyon Unit			<sup>6</sup> Well Number 174E
<sup>7</sup> OGRID No. 000778		<sup>8</sup> Operator Name BP America Production Company			<sup>9</sup> Elevation 5603

**<sup>10</sup> Surface Location**

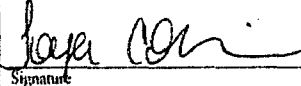
U.I. or lot no. E	Section 28	Township 28N	Range 12W	Lot Idn	Feet from the 1450	North/South line North	Feet from the 410	East/West line West	County San Juan
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**<sup>11</sup> Bottom Hole Location If Different From Surface**

U.I. 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 320									<sup>13</sup> Joint or Infill <sup>14</sup> Consolidation Code <sup>15</sup> Order No. R-11567

RCVD FEB 19 '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.

<sup>16</sup> 1450' 410'					<b><sup>17</sup> OPERATOR CERTIFICATION</b> <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 undivided 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 2/13/14 Tova Colvin Printed Name Tova Colvin@bp.com E-mail Address
					<b><sup>18</sup> SURVEYOR CERTIFICATION</b> <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 _____