

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

|  |  |  |
|--|--|--|
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br>(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.<br>30-045-25202   |
| 1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <input type="checkbox"/>   |  | 5. Indicate Type of Lease<br>STATE <input type="checkbox"/> FEE <input type="checkbox"/> |
| 2. Name of Operator<br>BP America Production Company   |  | 6. State Oil & Gas Lease No.<br><b>Federal Lease</b>                                     |
| 3. Address of Operator<br>501 Westlake Park Blvd.<br>Houston, TX 77079   |  | 7. Lease Name or Unit Agreement Name<br>Gallegos Canyon Unit                             |
| 4. Well Location<br>Unit Letter <u>E</u> : <u>1450</u> feet from the <u>North</u> line and <u>410</u> feet from the <u>West</u> line<br>Section <u>28</u> Township <u>28N</u> Range <u>12W</u> NMPM County <u>San Juan</u> |  | 8. Well Number<br>174E   |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.)<br>5603'  |  | 9. OGRID Number<br>000778  |
|  |  | 10. Pool name or Wildcat<br>Basin Dakota   |

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 ☒  
 CLOSED-LOOP SYSTEM ☒  
 OTHER: **Recompletion** ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
 COMMENCE DRILLING OPNS. ☐ P AND A ☐  
 CASING/CEMENT JOB ☐ **RCVD FEB 18 '14**  
**OIL CONS. DIV.**  
**DIST. 3**  
 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 re-complete into the Basin Mancos by setting a CIBP over the Basin Dakota, establishing a steady rate in the Basin Mancos, then remove the CIBP & downhole commingle production with the existing Basin Dakota.**

**\* DHC 3857 A2**

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.

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 Basin Mancos.

**\* Perm to production obtain NSU from Santa Fe for 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. BLM notified via 3160-5 form for Federal lease NMSF078828A

Spud Date: 10/27/1982

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 02/13/2014

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 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 174E DK**  
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.

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 2-slip stop. Tagged fill at 6019'. EOT at 5986'. 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         | 2908 |
| Gallup          | 4946 |
| Greenhorn       | 5760 |
| Dakota          | 6166 |

Plunger Stop @ 5933'

Profile Nipple @ 5952'

EOT @ 5986'

GL 5603'  
KB 5616'

12 1/2" Hole

8 1/2", 24#, @ 327'

354 sks class B NEAT 2% CaCl2

TOC @ surf (circ)

TOC @ surf (circ)

DV Tool @ 4218

Tubing details

Tbg 2 3/4", 4.7#, N80 (185jts)

Seating Nipple

Tbg 2 3/4", 4.7#, N80 (1jt)

Saw Tooth Collar

Proposed Mancos Perfs

5294'-5305'

Dakota Perforations

5870'-5884' w/ 2spf

5898'-5906' w/ 2spf

5942'-5976' w/ 2spf

5982'-6004' w/ 2spf

Frac'd w/ 117,000 gals 75Q foam  
& 150,750# 20/40 sand

Prod Casing

7 1/2" hole

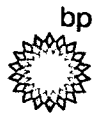
4 1/2" 10.5# K55 casing @ 6076'

stage 1 - 880 cuft Class B

stage 2 - 3228 cuft Class B

Cement circulated to surface

PBTD 6032'  
TD 6076'

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

**GCU 174E DK**  
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.  
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 2-slip stop. Tagged fill at 6019'. EOT at 5986'. Set a new 2 slip stop at 5933'.  
6/19/2013: Test Tubing, No hole.

**Formation Tops (ft)**

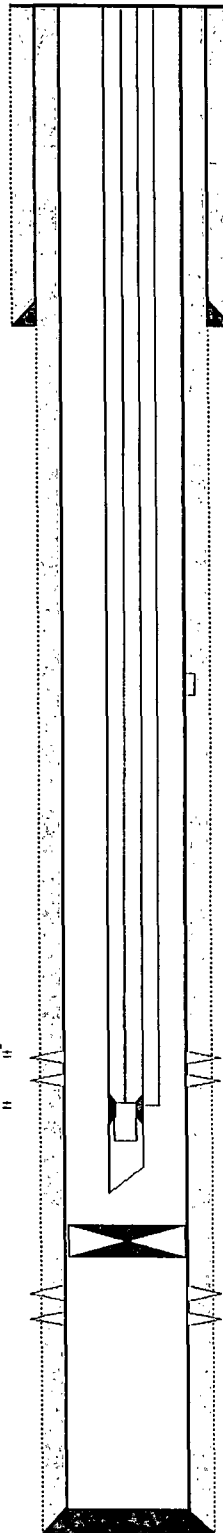
|                 |      |
|-----------------|------|
| Fruitland       | 700  |
| Pictured Cliffs | 1320 |
| Cliff House     | 2230 |
| Menefee         | 2908 |
| Gallup          | 4946 |
| Greenhorn       | 5760 |
| Dakota          | 6166 |

F Nipple @ 5364'±

EOT @ 5397'±

Cast Iron Bridge  
Plug @ 5820'±

GL 5803'  
KB 5818'



PBDT 6032'  
TD 6076'

12 1/4" Hole  
8 1/8", 24#, @ 327'  
354 sks class B NEAT 2% CaCl2  
TOC @ surf (circ)

TOC @ surf (circ)

DV Tool @ 4218

**Tubing details**

Tbg 2 3/4", 4.7#, J-55  
F Nipple 1.78" ID  
Tbg 2 3/4", 4.7#, J-55

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

**Proposed Mancos Perfs**

5294'-5305'

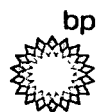
**Dakota Perforations**

5870'-5884' w/ 2sps  
5898'-5906' w/ 2sps  
5942'-5976' w/ 2sps  
5982'-6004' w/ 2sp  
Frac'd w/ 117,000 gals 75Q foam  
& 150,750# 20/40 sand

**Prod Casing**

7 1/4" hole  
4 1/2" 10.5# K55 casing @ 6076'  
stage 1 - 880 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 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.  
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 2-slip stop. Tagged fill at 6019'. EOT at 5986'. Set a new 2 slip stop at 5933'.  
6/19/2013: Test Tubing, No hole.

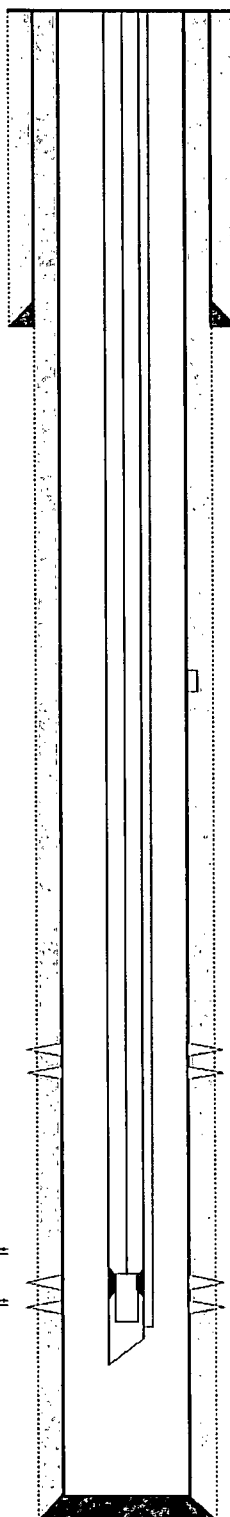
### Formation Tops (ft)

|                 |      |
|-----------------|------|
| Fruitland       | 700  |
| Pictured Cliffs | 1320 |
| Cliff House     | 2230 |
| Menefee         | 2908 |
| Gallup          | 4946 |
| Greenhorn       | 5760 |
| Dakota          | 6166 |

F Nipple @ 6010'±

EOT @ 6043'±

GL 5603'  
KB 5616'



PBTD 6032'  
TD 6076'

12 1/4" Hole  
8 1/2", 24#, @ 327'  
354 sks class B NEAT 2% CaCl2  
TOC @ surf (circ)

TOC @ surf (circ)

DV Tool @ 4218

### Tubing details

Tbg 2 3/4", 4.7#, J-55  
F Nipple 1.78" ID  
Tbg 2 3/4", 4.7#, J-55

1/2" SS Capillary String  
(banded outside prod tubing)

Proposed Mancos Perfs  
5294'-5305'

### Dakota Perforations

5870'-5884' w/ 2spf  
5898'-5906' w/ 2spf  
5942'-5976' w/ 2spf  
5982'-6004' w/ 2spf  
Frac'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 - 880 cuft Class B  
stage 2 - 3228 cuft Class B  
Cement circulated to surface

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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**

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

<sup>10</sup> Surface Location

|                           |                      |                        |                     |         |                              |                                  |                             |                               |                           |
|---------------------------|----------------------|------------------------|---------------------|---------|------------------------------|----------------------------------|-----------------------------|-------------------------------|---------------------------|
| UL or lot no.<br><b>E</b> | Section<br><b>28</b> | Township<br><b>28N</b> | Range<br><b>12W</b> | Lot Idn | Feet from the<br><b>1450</b> | North/South line<br><b>North</b> | Feet from the<br><b>410</b> | East/West line<br><b>West</b> | County<br><b>San Juan</b> |
|---------------------------|----------------------|------------------------|---------------------|---------|------------------------------|----------------------------------|-----------------------------|-------------------------------|---------------------------|

<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<br><b>320</b> |         | <sup>13</sup> Joint or Infill |       | <sup>14</sup> Consolidation Code |               | <sup>15</sup> Order No.<br><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.

|                                |  |  |  |  |  |   |
|--------------------------------|--|--|--|--|--|---|
| <sup>16</sup><br>1450'<br>410' |  |  |  |  | <sup>17</sup> <b>OPERATOR CERTIFICATION</b><br><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><br><br>Signature: <u>Tova Colvin</u> Date: <u>2/13/14</u><br><br>Tova Colvin<br>Printed Name<br><br>Tova.Colvin@bp.com<br>E-mail Address |   |
|                                |  |  |  |  |  | <sup>18</sup> <b>SURVEYOR CERTIFICATION</b><br><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><br><br>Date of Survey<br>Signature and Seal of Professional Surveyor:<br><br><br>Previously Filed<br><br>Certificate Number |
|                                |  |  |  |  |  |   |
|                                |  |  |  |  |  |   |

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**WELL LOCATION AND ACREAGE DEDICATION PLAT**

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| <sup>1</sup> API Number<br><b>30-045-25202</b> | <sup>2</sup> Pool Code<br><b>97232</b>                             | <sup>3</sup> Pool Name<br><b>Basin Mancos</b> |
| <sup>4</sup> Property Code<br><b>000570</b>    | <sup>5</sup> Property Name<br><b>Gallegos Canyon Unit</b>          | <sup>6</sup> Well Number<br><b>174E</b>       |
| <sup>7</sup> OGRID No.<br><b>000778</b>        | <sup>8</sup> Operator Name<br><b>BP America Production Company</b> | <sup>9</sup> Elevation<br><b>5603</b>         |

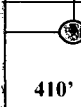
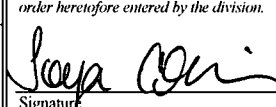
<sup>10</sup> Surface Location

|                           |                      |                        |                     |         |                              |                                  |                             |                               |                           |
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| UL or lot no.<br><b>E</b> | Section<br><b>28</b> | Township<br><b>28N</b> | Range<br><b>12W</b> | Lot Idn | Feet from the<br><b>1450</b> | North/South line<br><b>North</b> | Feet from the<br><b>410</b> | East/West line<br><b>West</b> | County<br><b>San Juan</b> |
|---------------------------|----------------------|------------------------|---------------------|---------|------------------------------|----------------------------------|-----------------------------|-------------------------------|---------------------------|

<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<br><b>RCVD FEB 18 '14</b> | County |
| <sup>12</sup> Dedicated Acres<br><b>320</b> | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> Order No.<br><b>R-11567</b> |         |               | <b>OIL CONS. DIV.<br/>DIST. 3</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.

|  |  |  |  |  |   |   |
|--|--|--|--|--|---|---|
| <sup>16</sup><br>1450'<br><br>410' |  |  |  |  | <sup>17</sup> <b>OPERATOR CERTIFICATION</b><br><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><br><br>Signature<br>2/13/14<br>Date<br>Tova Colvin<br>Printed Name<br>Tova.Colvin@bp.com<br>E-mail Address |   |
|  |  |  |  |  |   | <sup>18</sup> <b>SURVEYOR CERTIFICATION</b><br><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><br>Date of Survey<br>Signature and Seal of Professional Surveyor:<br><br>Previously Filed<br>Certificate Number |
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