

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

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

Form C-103  
Revised August 1, 2011

|   |  |   |
|---|--|---|
| <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><b>30-045-24734</b>   |
| 1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other   |  | 5. Indicate Type of Lease<br>STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 2. Name of Operator<br><b>BP America Production Company</b>   |  | 6. State Oil & Gas Lease No.<br><b>B-10405</b>  |
| 3. Address of Operator<br><b>P.O. Box 3092 Houston, TX 77253-3092</b>   |  | 7. Lease Name or Unit Agreement Name<br><b>Gallegos Canyon Unit Com</b>                             |
| 4. Well Location<br>Unit Letter <u>P</u> : <u>860'</u> feet from the <u>South</u> line and <u>980'</u> feet from the <u>East</u> line<br>Section <u>32</u> Township <u>29N</u> Range <u>12W</u> NMPM County <u>San Juan</u> |  | 8. Well Number <b>212E</b>  |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.)<br><u>5456 GL</u>  |  | 9. OGRID Number<br><b>000778</b>  |
|   |  | 10. Pool name or Wildcat<br><b>Basin Dakota</b>   |

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 ☐

OTHER: Recompletion /Downhole commingle ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

RCVD FEB 4 '13  
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 Totah Gallup & downhole commingle production with the existing Basin Dakota.**

The DK (71599) & the Totah Gallup (59750) 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 Totah 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, wellbore schematics & C-102 plat

**DHC 3758 A2**

Spud Date:

**11/13/1981**

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 2/01/13

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

State Use Only

APPROVED BY: Will J. H... TITLE Deputy Oil & Gas Inspector, District #3 DATE FEB 15 2013

Conditions of Approval (if any):

**AV**

**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<br><b>30-045-20655</b> |  | <sup>2</sup> Pool Code<br><b>59750</b>                             |  | <sup>3</sup> Pool Name<br><b>Totah Gallup</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>212E</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>5456</b>   |

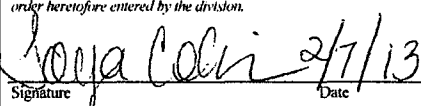
**<sup>10</sup> Surface Location**

|                           |                      |                        |                     |         |                             |                                  |                             |                               |                           |
|---------------------------|----------------------|------------------------|---------------------|---------|-----------------------------|----------------------------------|-----------------------------|-------------------------------|---------------------------|
| UL or lot no.<br><b>P</b> | Section<br><b>32</b> | Township<br><b>29N</b> | Range<br><b>12W</b> | Lot Idn | Feet from the<br><b>860</b> | North/South line<br><b>South</b> | Feet from the<br><b>980</b> | East/West line<br><b>East</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                            |
|  |         |                               |       |                                  |               |                         |               |                | <b>RCVD FEB 7 '13</b>             |
| <sup>12</sup> Dedicated Acres<br><b>80</b> |         | <sup>13</sup> Joint or Infill |       | <sup>14</sup> Consolidation Code |               | <sup>15</sup> Order No. |               |                |                                   |
|  |         |                               |       |                                  |               |                         |               |                | <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.

|           |  |  |  |  |   |
|-----------|--|--|--|--|---|
| <b>16</b> |  |  |  |  | <b><sup>17</sup> 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><div style="text-align: right;"> <br/>           Signature _____ Date <b>2/7/13</b> </div> <div>             Tova Colvin<br/>             Printed Name _____<br/>             Tova.Colvin@bp.com<br/>             E-mail Address _____           </div> |
|           |  |  |  |  |   |
|           |  |  |  |  |   |
|           |  |  |  |  |   |
|           |  |  |  |  | <b><sup>18</sup> 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><div>             Date of Survey _____<br/>             Signature and Seal of Professional Surveyor: _____<br/> <div style="text-align: center; margin-top: 20px;">Previously Filed</div> </div>   |
|           |  |  |  |  | Certificate Number _____  |

860'  
980'



GCU 212E DK  
Dakota  
API# 30-045-24734  
Unit P Sec. 32, T29N, R12W  
San Juan County, New Mexico

**Reason/Background for Job**

The proposed work is to recomplete the Gallup formation in the Pinon – North trend. This procedure outlines the pre-frac rig work.

1. Retrieve plunger and stop
2. Set barriers
3. MIRU service rig
4. NU BOP
5. Pull tubing
6. Run bit & scraper; Cleanout
7. Set composite bridge plug to isolate DK
8. MIT wellbore to 1600 psi (expected reservoir pressure 1400 psi)
8. Run logs
9. Change out tubing head
10. Perforate Gallup
11. RIH frac string and set packer
12. Press test frac string and packer
13. Set up frac stack and pressure test
14. Pull plugs
15. RDMO
16. Frac Gallup / Mancos - 70Q N2 foam and ~100K#s of sand
17. Flowback
18. MIRU Service Unit
19. Drill out composite plug; Clean out to PBTD
20. Run production tubing and land @ 5990'
21. Run Pump and rods

# Current WDB



**GCU 212E DK**  
Dakota  
API# 30-045-24734  
Unit P Sec. 32, T29N, R12W  
San Juan County, New Mexico

## Well History

11/1981 - Spud in  
12/1981 - Completion  
02/1992 - Bradenhead repair; Perf 950 - 951'; 0.43" hole;  
Pump 135 sx of 65-35 POZ w/ 6% gel and 100sx 10-2 RFC  
Pump 5 bbls Class B cmt; Press test to 800 psi.  
07/2010 - Clean out  
08/2010 - Swab  
07/2012 - Surveillance/ WH ID

## Formation Tops (ft)

Kirtland /Frid 1170  
Pictured Cliffs 1325  
Cliffhouse 2900  
Menefee 3090  
Pt. Lookout 3785  
Mancos 4100  
Gallup 5010  
Greenhorn 5774  
Dakota 5946

## Deviation Data

| Depth (ft) | Dev (deg) |
|------------|-----------|
| 328        | 0.25      |
| 849        | 0.5       |
| 1496       | 0.5       |
| 2021       | 0.5       |
| 2546       | 0.5       |
| 3163       | 0.5       |
| 3225       | 0.5       |
| 3749       | 0.5       |
| 4270       | 0.5       |
| 4795       | 0.5       |
| 6073       | 0.5       |

DV Tool @ 4239'

X Nipple @ 5962

F Nipple @ 5967

EOT @ 5970'

5456' GL  
KB 13'

## Surface Casing Data

12 1/4" Hole  
8 3/4"; 24#; J-55 ST&C casing @ 326'  
Cmt w/ 350 sxs Class B NEAT  
containing 2% CaCl2  
TOC - Circulated cmt to surface

Bradenhead repair @ 950'  
Circulated to surface

TOC @ 1000'  
CBL Run in 1992

## Tubing Details

|                            | Length |
|----------------------------|--------|
| MS 2 3/4"                  | 2.25   |
| F Nipple 2 3/4" / 1.78" ID | 0.9    |
| Pup Jt 2 3/4"              | 4.2    |
| X Nipple 2 3/4" / 1 3/4"   | 1.0    |
| Pup Jt 2 3/4"              | 8.2    |
| Pup Jt 2 3/4"              | 10.1   |
| Tubing 2 3/4", 4.7#, J55   | 5930.3 |

## Perforation Data

5876 - 5888'  
5950 - 5990'  
Frac w/ 91 K gals & 279 K # of 20/40 sand

## Production Casing Data

7 1/4" hole  
4 1/2"; 10.5#; K55 ST&C casing @ 6080'  
Cemented:  
**1st stage** : 350 sxs Class B NEAT cement  
w/ 50:50 Poz, 6% gel & 2 lb met Tuf plug/sk  
& 0.8% fluid loss additive. Tailed w/  
100 sxs class B NEAT  
**2nd stage**: 880 sxs Class B NEAT cement  
containing 65:35, 6% gel, 2 lb med Tuf plug/sk &  
0.8% fluid additives. Tailed w/ 100 sxs Class B  
NEAT

PBTD: 6031'  
TD: 6080'

# Final WBD



**GCU 212E DK**  
Dakota  
API# 30-045-24734  
Unit P Sec. 32, T29N, R12W  
San Juan County, New Mexico

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Pt. Lookout 3785  
Mancos 4100  
Gallup 5010  
Greenhorn 5774  
Dakota 5946

| Deviation Data |           |
|----------------|-----------|
| Depth (ft)     | Dev (deg) |
| 328            | 0.25      |
| 849            | 0.5       |
| 1496           | 0.5       |
| 2021           | 0.5       |
| 2546           | 0.5       |
| 3163           | 0.5       |
| 3225           | 0.5       |
| 3749           | 0.5       |
| 4270           | 0.5       |
| 4795           | 0.5       |
| 6073           | 0.5       |

DV Tool @ 4239'

F Nipple @ ± 5972

EOT @ ± 5990'

5456' GL  
KB 13'

## Surface Casing Data

12 1/4" Hole  
8 5/8"; 24#, J-55 ST&C casing @ 326'  
Cmt w/ 350 sxs Class B NEAT  
containing 2% CaCl2  
TOC - Circulated cmt to surface

Bradenhead repair @ 950'  
Circulated to surface

TOC @ 1000'  
CBL Run in 1992

## Tubing Details

MS 2 3/4" x 18' (±)  
F Nipple 2 3/4" / 1.78" ID  
Tubing 2 3/4", 4.7#, J55

## Rod Details

Pump 2" x 1 1/4" x 12' RHBC  
Pony Rod(s) 3/4"  
Sinker bar 1 1/2" x 150' (±)  
Rods 3/4" grd D  
Pony Rod(s) 3/4"  
Polished rod 1 1/2"

## Perforation Data - GL

5367 - 5387'  
5414 - 5438'

## Perforation Data - DK

5876 - 5888'  
5950 - 5990'  
Frac w/ 91 K gals & 279 K # of 20/40 sand

## Production Casing Data

7 7/8" hole  
4 1/2"; 10.5#, K55 ST&C casing @ 6080'  
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& 0.8% fluid loss additive. Tailed w/  
100 sxs class B NEAT  
**2nd stage**: 880 sxs Class B NEAT cement  
containing 65:35, 6% gel, 2 lb med Tuf plug/sk &  
0.8% fluid additives. Tailed w/ 100 sxs Class B  
NEAT

PBTD: 6031'  
TD: 6080'