

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.
30-045-24259

5. Indicate Type of Lease
STATE ☐ FEE ☐

6. State Oil & Gas Lease No.
Federal Lease

7. Lease Name or Unit Agreement Name

Gallegos Canyon Unit

8. Well Number

221E

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 ☐ Gas Well ☒ 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 P : 855 feet from the South line and 950 feet from the East line

Section 31

Township 29N

Range 12W

NMPM

County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
5661'

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 ☐
OTHER: ☐

RCVD FEB 3 '14
OIL CONS. DIV.
DIST. 3

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, then remove the CIBP & downhole commingle production with the existing Basin Dakota.

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.

*** DHC 3855 A2**

Commingling production downhole in the subject well from the proposed pools will not reduce the value of the total remaining production.

*** Provide CBL to AGENCIES Prior to proceeding w/ recompletion operations ***
Please see attached DHC procedure, wellbore schematics & C-102 plat. BLM notified via 3160-5 form for Federal lease NMSF078109

Spud Date:

04/29/1980

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 01/30/2014

Type or print name

Toya Colvin

E-mail address:

Toya.Colvin@bp.com

PHONE: 281-366-7148

For State Use Only

Deputy Oil & Gas Inspector,

APPROVED BY:

W. F. [Signature]

TITLE

District #3

DATE FEB 19 2014



<p>GCU 221E DK Dakota API # 30-045-24259 Unit Sec 31 T29N R 12W San Juan County, New Mexico</p>

Reason/Background for Job

The proposed work is to re-complete the GCU 221E to Basin Mancos (Gallup/ChaCha lower 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 DK
3. MIT wellbore
8. Run CBL
9. Recomplete Mancos (Gallup) 5615 – 5630' ±
10. Produce Mancos (Gallup) for approx. 6 months
11. Drill out bridge plug
12. Produce well – DH commingle

Current WBD



GCU 221E DK
Dakota
API # 30-045-24259
Unit Sec 31 T29N R 12W
San Juan County, New Mexico

History

04/1980 - Spud in
07/1980 - Complete DK
01/1992 - Bradenhead Repair - c/o fill 6293 - 6308';
set BP @ 5990'; packer @ 5530'; press test csg
to 1500 psi - OK; press test backside (bradenhead ?)
to 1000 psi - OK; run CBL, VDL, GR, CCL f/ 3600' to surf -
poor bond 3600 - 1550'; TOC @ 1550'; perf @ 1400'
(2 holes); set packer @ 1026'
circ @ 1400' @ 3 bpm, 500 psi; 97 bbls
dyed fluid; squeeze 550 sxs, class B w/ 2% CaCl₂;
lost returns after 520 sxs; displace to 1150';
POH packer; drill out cement f/ 1146' to 1400';
press test csg to 600 psi - OK; run CBL - TOC @ 475'
retrieve BP; RIH prod string @ 6134'
09/1995 - csg repair - set BP @ 6024'; test to 1000 psi
isolate csg leag 3201 - 3217'; pump in @ 1.8 bpm
@ 800 psi; press test csg to 500 psi - OK;
squeeze 100 sxs class B, 15.6 ppg @ 2 bpm
drill out cement f/ 3155' to 3225'; press test to 500 psi - OK
c/o 6128 - 6310'; re-perf 6078 - 6098'; 6165 - 6184';
6190 - 6200'; land tbg @ 6145'
04/2010 - SL - tag FL @ 6000'; POH plunger & stop;
tag fill @ 6180'; slip dropped out of tbg; broach tbg to 6100';
gradient survey

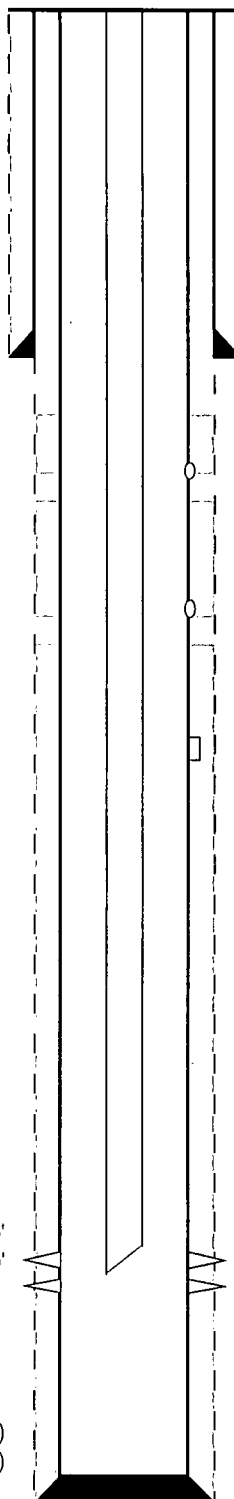
Formation Tops (ft)

Nothing logged above the Gallup
Gallup 5194
Mancos Shale 5650
Greenhorn 5974
Graneros Shale 6038
Graneros Dakota 6078
Main Dakota 6166

Deviation Survey

Depth (ft)	Dev (deg)
306	0.50
783	0.75
1277	0.75
2261	1.00
2446	0.75
2935	0.75
3426	1.00
3948	1.00
4467	1.25
4956	1.00
5353	1.00
5843	0.75
6351	1.00

GL 5661'
KB 5673'



12 1/4" Hole
8 5/8", 24#, @ 303'
315 sxs class B NEAT 2% CaCl₂
TOC @ surf (circ)

TOC @ 475'
Squeeze hole @ 1400'

Casing leak 3201 - 3217'

TOC unknown

DV Tool @ 4454

Tubing details	Length (ft)
Tbg 2 3/4", 4.7#, J55, MS	31
X Nipple 2 3/4" / 1 1/4"	1
Tbg 2 3/4", 4.7#, J55, 199 jts	6101

Dakota Perforations

6078 - 6098'
6165 - 6184'
6190 - 6200'
frac w/ 41 K gal & 140K # 20/40
reperf 09/1995

Prod Casing

7 7/8" hole
4 1/2" 10.5# J55 ST&C casing @ 6072'
stage 1 - 420 sxs Class B Neat 50:50 POZ, 6% gel
2 lb med Tuf plug/sk & 0.8% fluid loss; tail w/ 100 sxs
class B NEAT
stage 2 - 840 sxs Class B Neat 50:50 POZ, 6% gel
2 lb med Tuf plug/sk & 0.8% fluid loss; tailed w/ 100 sxs
class B Neat
no cement to surface
TOC @ 1550' (475')

Proposed WBD – Mancos (Gallup) production



GCU 221E DK

Dakota
API # 30-045-24259
Unit Sec 31 T29N R 12W
San Juan County, New Mexico

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poor bond 3600 - 1550'; TOC @ 1550'; perf @ 1400'
(2 holes); set packer @ 1026'
circ @ 1400' @ 3 bpm, 500 psi; 97 bbls
dyed fluid; squeeze 550 sxs, class B w/ 2% CaCl₂;
lost returns after 520 sxs; displace to 1150';
POH packer; drill out cement f/ 1146' to 1400';
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6190 - 6200'; land tbg @ 6145'
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tag fill @ 6180; slip dropped out of tbg; broach tbg to 6100';
gradient survey

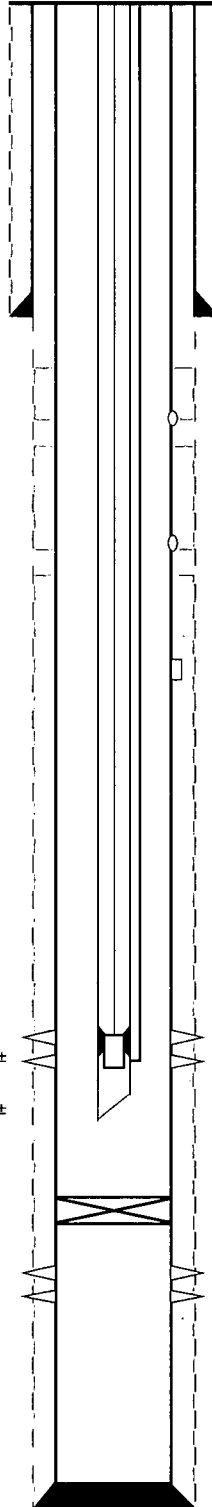
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Nothing logged above the Gallup
Gallup 5194
Mancos Shale 5650
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Main Dakota 6166

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5353	1.00
5843	0.75
6351	1.00

GL 5661'
KB 5673'



12 1/4" Hole
8 1/2", 24" @ 303'
315 sxs class B NEAT 2% CaCl₂
TOC @ surf (circ)

TOC @ 475'
Squeeze hole @ 1400'

Casing leak 3201 - 3217'

TOC unknown

DV Tool @ 4454

Tubing details

Tbg 2 3/4", 4.7#, J55, MS
F Nipple 2 3/4" / 1.78"
Tbg 2 3/4", 4.7#, J55

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

Proposed Mancos Perfs

5640 - 5660'

CIBP @ ± 6040'

Dakota Perforations

6078 - 6098'
6165 - 6184'
6190 - 6200'
frac w/ 41 K gal & 140K # 20/40
reperf 09/1995

Prod Casing

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class B NEAT

stage 2 - 840 sxs Class B Neat 50:50 POZ, 6% gel
2 lb med Tuf plug/sk & 0.8% fluid loss; tailed w/ 100 sxs
class B Neat
no cement to surface
TOC @ 1550' (475')

PBTD 6310'
TD 6351'

F Nipple @ 5680' ±

EOT @ 5712' ±

Proposed WBD – Mancos (Gallup) & Dakota production



GCU 221E DK

Dakota

API # 30-045-24259

Unit Sec 31 T29N R 12W

San Juan County, New Mexico

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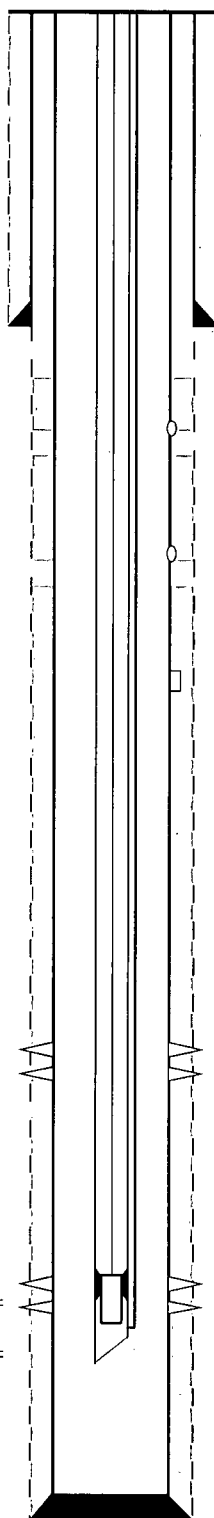
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no cement to surface
TOC @ 1550' (475')

F Nipple @ 6246' ±

EOT @ 6278' ±

PBTD 6310'
TD 6351'

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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 30-045-24259	² Pool Code 71599	³ Pool Name Basin Dakota
⁴ Property Code 000570	⁵ Property Name Gallegos Canyon Unit	
⁷ OGRID No. 000778	⁸ Operator Name BP America Production Company	
		⁶ Well Number 221E
		⁹ Elevation 5661

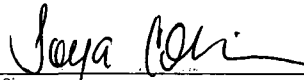
¹⁰ Surface Location

UL or lot no. P	Section 31	Township 29N	Range 12W	Lot Idn	Feet from the 855	North/South line South	Feet from the 950	East/West line East	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						

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									
<div style="text-align: center;">950'</div> <div style="text-align: center;">855'</div>									<div><p>¹⁷ OPERATOR CERTIFICATION</p><p><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 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.</i></p><p> 1/30/14</p><p>Signature Date</p><p>Toya Colvin Printed Name</p><p>Toya.Colvin@bp.com E-mail Address</p><p>¹⁸ SURVEYOR CERTIFICATION</p><p><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></p><p>Date of Survey</p><p>Signature and Seal of Professional Surveyor:</p><p>Previously Filed</p><p>Certificate Number</p></div>

Form C-102
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16			<p>17 OPERATOR CERTIFICATION</p> <p>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.</p> <p style="text-align: right;">  1/30/14 </p> <hr/> <p>Signature Date</p> <p>Toya Colvin</p> <hr/> <p>Printed Name</p> <p>Toya.Colvin@bp.com</p> <hr/> <p>E-mail Address</p>
			<p>18 SURVEYOR CERTIFICATION</p> <p>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.</p> <hr/> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p> <p style="text-align: center;">Previously Filed</p> <hr/> <p>Certificate Number</p>

950'

855'