

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 August 1, 2011

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

WELL API NO.

30-045-11649

5. Indicate Type of Lease

STATE ☐ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Gallegos Canyon Unit

8. Well Number 221

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

P.O. Box 3092 Houston, TX 77253-3092

4. Well Location

Unit Letter G : 2445' feet from the North line and 1690' feet from the East line

Section 31 Township 29N Range 12W NMPM County San Juan

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

5589 GL

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 ☐

OTHER: ☐

RCVD JUL 15 '13
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 submitted and received BLM approval to recomplete & downhole commingle into the Basin Dakota & Pinon Gallup 6/25/2013 for the subject well. After further evaluation, BP would like to amend the recompletion & downhole commingle to the Basin Dakota and Basin Mancos pools.

BP America Production Company requests permission to re-complete into the Basin Mancos by setting a composite bridge plug over the Basin Dakota, establishing a steady production rate in the Basin Mancos, then remove the composite bridge plug & downhole commingle production with the existing Basin Dakota.

The DK (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 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.

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 lease NMSF078109

Spud Date:

02/18/1966

Rig Release Date:

DHC 3840 AZ

Prior to Resubmitting Provide CBL for Agencies Review
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 07/10/2013

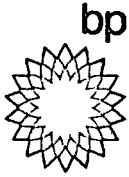
Type or print name Toya Colvin E-mail address: Toya.Colvin@bp.com PHONE: 281-366-7148

State Use Only

APPROVED BY: WHL HMR TITLE Deputy Oil & Gas Inspector, District #3 DATE JUL 26 2013

Conditions of Approval (if any):

File C-104 For Basin Mancos & comp. report before return to prod.



GCU 221

Dakota

API # 30-045-11649

T-29N, R-12-W, Sec. 31

San Juan County, New Mexico

Reason/Background for Job

The proposed work is to re-complete the GCU 221 to Basin Mancos. The proposed work is to isolate the Dakota, perf and frac the Mancos with approx 100,000# of sand in a 70Q foam. Then clean out, re-open the Dakota and set well back on production by commingling the Dakota and Basin Mancos zones.

1. Retrieve plunger and stop (if still in well)
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 1800 psi (maximum expected reservoir pressure 1600 psi)
8. Run logs (CBL & PND)
9. Change out wellhead
10. Perforate Mancos
11. RIH frac string and set packer (if casing MIT indicates issues)
12. Set up frac stack and pressure test
13. Pressure test frac string and packer (if applicable)
14. RDMO
15. Frac Gallup - 70Q N2 foam and \pm 100K # of sand
16. Flowback
17. Install BH gauges for the duration of facilities installation
18. Install facilities
19. MIRU Service Unit
20. Drill out composite plug; Clean out to PBTD
21. Run production tubing and land @ \pm 6125'
22. Run Pump and rods & produce well (DH commingle)

Current WBD



GCU 221
Dakota
API # 30-045-11649
T-29N, R-12-W, Sec. 31
San Juan County, New Mexico

Well History

02/1966 - Spud in
03/1966 - Complete DK
04/1969 - Cut paraffin in tubing from 1300' to surface
10/1969 - Cut paraffin in tubing from 1200' to surface
11/1969 - Cut paraffin in tubing from 800' to surface
03/1970 - Cut paraffin in tubing
10/1970 - Cut paraffin in tubing from 250' to surface
07/1971 - Cut paraffin in tubing from 760' to surface
12/1981 - Wirelined. Installed plunger.
01/1995 - Swabbed well.
11/2000 - WL - Fish plunger at 5978'. Tag fill at 5979'; broach tubing to 5978'. set plunger stop at 5970'
02/2011 - WL - pull plunger; pull hard up to 1000' pull plunger stop; tag @ 5966'; retrieve what looked like the bottom part of a plunger; Impression block showed a mandrel off a slip stop; Reset plunger stop @ 5953'
12/2012 - WL - Pull plunger but could not pull stop; stop @ 5940' WLM

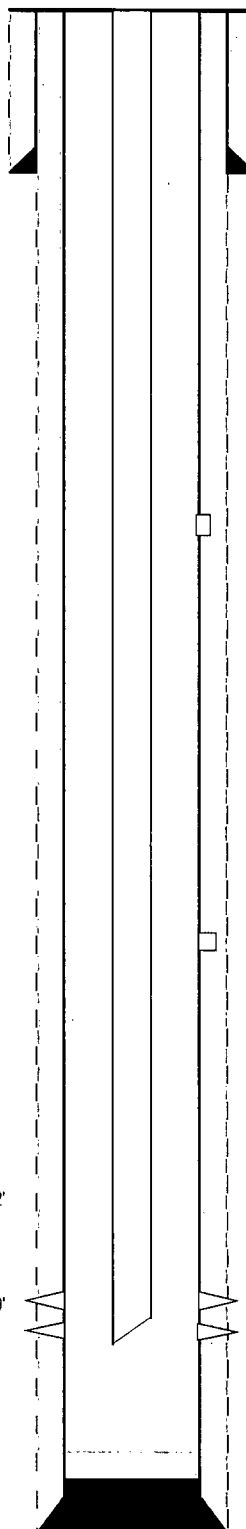
Formation Tops	
Pictured Cliffs	1460
Lewis Shales	1650
Mesaverde	3060
Mancos	4,220
Gallup	5130
Base Gallup	5695
Greenhorn	5905
Graneros Shale	5959
Graneros Dakota	6010
Main Dakota	6092

Deviation Data	
Depth (ft)	Dev (deg)
347	0.75
764	0.75
1517	0.5
1912	0.5
2552	0.5
2942	0.75
3400	0.5
4041	0.75
4560	0.75
5061	0.75
5436	1
6047	0.75

Plunger stop stuck @ 5952'

EOT @ 6019'

GL 5589'
KB 5601'



PBDT: 6159'
TD: 6193'

Surface Casing Data

12 1/4" Hole
8 5/8", 24#, @ 347'
Cmt w/ 225 sks
TOC @ surf

DV Tool @ 1696'

Tubing Details

2 3/4", EOT @ 6019'

DV Tool @ 4288'

Perforation Data - Dakota

6013 - 6028' ; 6044 - 6053'
frac w/ 48 K gals wr, 40K # snd
6098 - 6118' & 6132 - 6142'
Frac w/ 56,440 gals wr, 50,000# snd

Production Casing Data

7 7/8" Hole
4 1/2", 10.50#, @ 6193'
Cmt: 1st stage w/ 500 sx
2nd stage: 550 sx
3rd stage: 450 sx
TOC @ surf

Final WBD



GCU 221
Dakota
API # 30-045-11649
T-29N, R-12-W, Sec. 31
San Juan County, New Mexico

Well History

02/1966 - Spud in
03/1966 - Complete DK
04/1969 - Cut paraffin in tubing from 1300' to surface
10/1969 - Cut paraffin in tubing from 1200' to surface
11/1969 - Cut paraffin in tubing from 800' to surface
03/1970 - Cut paraffin in tubing
10/1970 - Cut paraffin in tubing from 250' to surface
07/1971 - Cut paraffin in tubing from 760' to surface
12/1981 - Wirelined. Installed plunger.
01/1995 - Swabbed well.
11/2000 - WL - Fish plunger at 5978'. Tag fill at 5979'; broach tubing to 5978'. set plunger stop at 5970'
02/2011 - WL - pull plunger; pull hard up to 1000' pull plunger stop; tag @ 5966'; retrieve what looked like the bottom part of a plunger; Impression block showed a mandrel off a slip stop; Reset plunger stop @ 5953'
12/2012 - WL - Pull plunger but could not pull stop; stop @ 5940' WLM

Formation Tops	
Pictured Cliffs	1460
Lewis Shales	1650
Mesaverde	3060
Mancos	4,220
Gallup	5130
Base Gallup	5695
Greenhorn	5905
Graneros Shale	5959
Graneros Dakota	6010
Main Dakota	6092

Deviation Data	
Depth (ft)	Dev (deg)
347	0.75
764	0.75
1517	0.5
1912	0.5
2552	0.5
2942	0.75
3400	0.5
4041	0.75
4560	0.75
5061	0.75
5436	1
6047	0.75

F Nipple @ 6103' ±

EOT @ 6125' ±

GL 5589'
KB 5601'

Surface Casing Data

12 1/4" Hole
8 5/8", 24#, @ 347'
Cmt w/ 225 sks
TOC @ surf

Tubing Details

MS 2 3/4", 4.7#, J55 x 20' ±
F nipple 2 3/4" x 1.78"
Tbg 2 3/4", 4.7#, J55 EUE

DV Tool @ 1696'

Rod Details

Pump 2" x 1 1/2" x 16' RHAC
Sinkers bars 1 1/4" x 200' ±
Rods 3/4" grd D x 1275' ±
Rods 1/2" grd D, slim hole cpl x 1575' ±
Fiber rod 1" x 3045' ±
Polished rod 1 1/2" x 26' ±

DV Tool @ 4288'

Proposed Perfs - Mancos

5554 - 5570'

Perforation Data - Dakota

6013 - 6028' ; 6044 - 6053'
frac w/ 48 K gals wtr, 40K # snd
6098 - 6118' & 6132 - 6142'
Frac w/ 56,440 gals wtr, 50,000# snd

Production Casing Data

7 7/8" Hole
4 1/2", 10.50#, @ 6193'
Cmt: 1st stage w/ 500 sx
2nd stage: 550 sx
3rd stage: 450 sx
TOC @ surf

PBTD: 6159'
TD: 6193'

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

¹ API Number 30-045-11649	² Pool Code 71599 & 97232	³ Pool Name Basin Dakota & Basin Mancos
⁴ Property Code 000570	⁵ Property Name Gallegos Canyon Unit	⁶ Well Number 221
⁷ OGRID No. 000778	⁸ Operator Name BP America Production Company	⁹ Elevation 5589

¹⁰ Surface Location

UL or lot no. G	Section 31	Township 29N	Range 12W	Lot Idn	Feet from the 2445	North/South line North	Feet from the 1690	East/West line East	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
					PCUD III 15'13"				
					OIL CONS. DIV.				
					DIST. 3				
¹² Dedicated Acres 313.08 320	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						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 released 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 <u>Tova Colvin</u> Date <u>7/10/13</u> 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