

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. 30-045-34700
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. E-178
7. Lease Name or Unit Agreement Name Northeast Blanco Unit
8. Well Number 354E
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  
737 North Eldridge Pkwy, 12.181A  
Houston, TX 77079

4. Well Location  
Unit Letter G : 1680 feet from the North line and 1905 feet from the East line  
 Section 32 Township 31N Range 07W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
6388'

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input checked="" type="checkbox"/>			
OTHER: Perform Diagnostic Fracture Injection Test (DFIT) on the Mancos formation to obtain reservoir properties data <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

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 respectfully requests to perform Diagnostic Fracture Injection Test (DFIT) on the Mancos formation to obtain reservoir properties data

Notify NMOCD 24 hrs prior to beginning operations OIL CONS. DIV DIST. 3

Please see attached procedure.

Spud Date:  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 06/03/2016

Type or print name Toya Colvin E-mail address: Toya.Colvin@bp.com PHONE: 281-892-5369

**For State Use Only**  
 APPROVED BY: [Signature] TITLE DEPUTY OIL & GAS INSPECTOR DISTRICT #3 DATE 6/10/2016  
 Conditions of Approval (if any): PV

Notify NMOCD  
 24 hours  
 prior to MIT

Follow rule 19.15.25.14 for MIT

**NEBU 354E**  
**API #: 30-045-34700**  
**Unit G - Sec 32 - T31N - R07W**

**Reason/Background for Job**

The objective of this operation is to perform Diagnostic Fracture Injection Test (DFIT) on the Mancos formation to obtain reservoir properties data

**Basic Procedure**

1. Pull tubing
2. Run scraper
3. Set RBP w/ downhole gauges @  $\pm 7740'$
4. MIT casing
5. Perforate selectively  $\pm 7048 - 7102'$  \*
6. Perform DFIT – inject 10 – 20 bbls of water @ 1 – 2 bpm
7. Set RBP w/ downhole gauges @  $\pm 7028'$
8. Perforate  $\pm 6823 - 6836'$  \*
9. Perform DFIT – inject 10 – 20 bbls of water @ 1 – 2 bpm
10. Set RBP w/ downhole gauges @  $\pm 6800'$
11. Shut in well for 15 – 20 days
12. Retrieve BP @  $\pm 6800'$  and DH gauges
13. Retrieve BP @  $\pm 7028'$  and DH gauges
14. Retrieve BP @  $\pm 7740'$  and DH gauges
15. RIH and set composite BP @  $\pm 7700'$
16. RIH and set casing patches to isolate Mancos perforations \*
  - The patch will be either
    - Solid Expandable System – manufacturer data
      - ID after expansion 3.70"
      - Burst press rating 13,133 psi for 0.75" perf or 19,700 psi for 0.50" perf
      - Collapse press 2,500 psi
    - Or
      - X-SPAN System – manufacturer data
        - ID after setting 3.375"
        - Burst hydraulic 8,000 psi
        - Collapse hydraulic rating 6,600 psi
  - 17. MIT casing to  $\pm 500$  psi
  - 18. Mill out composite BP @  $\pm 7700'$
  - 19. Return well to production

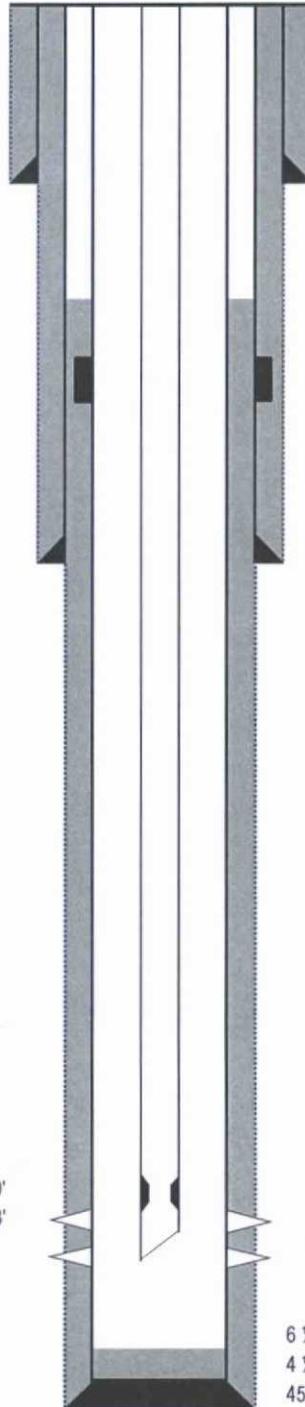
\* - actual perforated interval and patch length will be reported in the post operations report

Current WBD



NEBU 354E  
 DK  
 API#: 30-045-34700  
 Unit G - Sec 32 - T31N - R07W  
 San Juan, NM

GL 6388'  
 KB 16.5'



12 1/4" hole  
 9 5/8" 32.3# H40 @ 302'  
 225 sx  
 TOC @ surf (circ)

DV Tool @ 2866'

8 3/4" hole  
 7" 23# J55 @ 3540'  
 210 sx / 590 sx  
 TOC @ surf (circ)

<u>Tbg string</u>	<u>Length (ft)</u>
MS, 2 3/8", #4.7, J55	1
Tbg, 2 3/8", #4.7, J55, 1 jt	32
F Nipple 2 3/8" / 1.78"	1
Tbg, 2 3/8", #4.7, J55, 246 js	7834

F Nipple @ 7850'  
 EOT @ 7883'

DK Perfs (4spf, 0.34")  
 7791 - 7792' 7834 - 7835'  
 7844 - 7845' 7872 - 7873'  
 7889 - 7890' 7900 - 7901'  
 frac w/ 73K gal & 57K # 20/40

6 1/4" hole  
 4 1/2" 11.6# J55 @ 7932'  
 458 sx  
 TOC @ 2700'

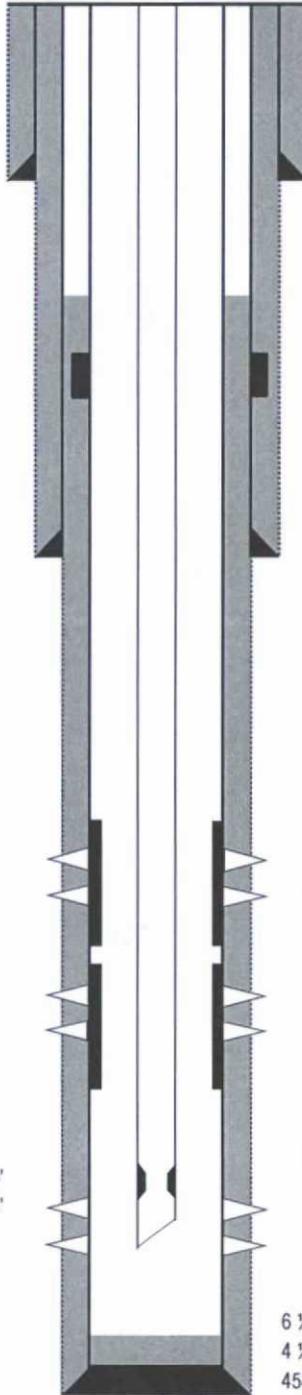
PBTBTD 7922'  
 TD 7932'

Proposed WBD



NEBU 354E  
DK  
API #: 30-045-34700  
Unit G - Sec 32 - T31N - R07W  
San Juan, NM

GL 6388'  
KB 16.5'



12 1/4" hole  
9 5/8" 32.3# H40 @ 302'  
225 sx  
TOC @ surf (circ)

DV Tool @ 2866'

8 1/4" hole  
7" 23# J55 @ 3540'  
210 sx / 590 sx  
TOC @ surf (circ)

MA ± 6823 - 6836', 1 spf

MA ± 7048 - 7102', 1 spf

DK Perfs (4spf, 0.34")  
7791 - 7792' 7834 - 7835'  
7844 - 7845' 7872 - 7873'  
7889 - 7890' 7900 - 7901'  
frac w/ 73K gal & 57K # 20/40

6 1/4" hole  
4 1/2" 11.6# J55 @ 7932'  
458 sx  
TOC @ 2700'

F Nipple @ ± 7850'  
EOT @ ± 7883'

PBTD 7922'  
TD 7932'

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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 30-045-34700		<sup>2</sup> Pool Code 97232		<sup>3</sup> Pool Name Basin Mancos	
<sup>4</sup> Property Code 013325		<sup>5</sup> Property Name Northeast Blanco Unit			<sup>6</sup> Well Number 354E
<sup>7</sup> OGRID No. 000778		<sup>8</sup> Operator Name BP America Production Company			<sup>9</sup> Elevation 6388

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	32	31N	07W		1680	North	1905	East	San Juan

<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 319.67		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> Order No.			

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.

<p><sup>16</sup></p> <p style="text-align: center; font-size: 1.2em;">OIL CONS. DIV DIST. 3</p> <p style="text-align: center;">JUL 05 2016</p>	<p>1680'</p>	<p><sup>17</sup> <b>OPERATOR CERTIFICATION</b></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 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></p> <p style="text-align: right;">  4/30/16  <small>Signature</small> <span style="margin-left: 100px;"><small>Date</small></span> </p> <p><small>Toya Colvin</small> Printed Name</p> <p><small>Toya.Colvin@bp.com</small> E-mail Address</p>
	<p><sup>18</sup> <b>SURVEYOR CERTIFICATION</b></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 style="text-align: center; margin-top: 20px;">Previously Filed</p>	
	<p>Certificate Number</p>	