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 District I – (575) 393-6161
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 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. 30-045-34203
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. E-5382
7. Lease Name or Unit Agreement Name NORTHEAST BLANCO UNIT
8. Well Number 346E
9. OGRID Number 000778
10. Pool name or Wildcat BASIN DAKOTA
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6478'

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 Co.

3. Address of Operator
1199 Main Avenue, Suite 101
Durango, CO 81301

4. Well Location
 Unit Letter B : 945 feet from the North line and 1930 feet from the East line
 Section 36 Township 31N Range 08W NMPM San Juan County

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input checked="" 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"/>	<u>P AND A</u> <input checked="" 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 type="checkbox"/>			
OTHER: <input 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.

The subject well was plugged and abandoned on 1/18/19 per the attached procedure and wellbore diagram. **NMOCD**

FEB 04 2019

DISTRICT III

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 Patti Campbell TITLE Regulatory Analyst DATE 01/31/2019

Type or print name Patti Campbell E-mail address: patti.campbell@bpx.com PHONE: 970-712-5997

For State Use Only

APPROVED BY: Bruno Bell TITLE Deputy Oil & Gas Inspector, District #3 DATE 2/7/19

Conditions of Approval (if any):

AV

NMOCD

FEB 04 2019

DISTRICT III

BP America

Plug And Abandonment End Of Well Report

NEBU 346E

945' FNL & 1930' FEL, Section 36, T31N, R8W

San Juan County, NM / API 30-045-34203

Work Summary:

- 11/15/18** Made BLM, and NMOCD P&A operations notifications at 11:00 AM MST.
- 11/16/18** MOL and R/U P&A unit. Checked well pressures: Tubing: 0 psi, Casing: 4 psi, Bradenhead: 125 psi. Bled down well. N/D wellhead and N/U BOP and function tested. TOO H with production string and tallied on the way out of the hole. Shut-in well for the day.
- 11/26/18** Checked well pressures: Tubing 0 psi, Casing: 65 psi, Bradenhead: 125 psi. Bled down well. P/U casing scraper and round tripped above top perforation at 7882'. P/U CR, TIH and set at 7841'. Pressure tested tubing to 1000 psi in which it successfully held pressure. Stung out of CR and circulated the wellbore clean with 110 bbls of fresh water. Pressure tested casing to 800 psi in which it failed to hold pressure. Shut-in well for the day. Monica Kuehling was NMOCD inspector on location.
- 11/27/18** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 35 psi. Bled down well. Circulated foam out of wellbore to re-pressure test casing. Pressure tested casing to 800 psi in which it successfully held pressure. L/D stinger nose and P/U cementing sub. TIH with cementing sub above CR. Shut-in well for the day. Monica Kuehling was NMOCD inspector on location.
- 11/28/18** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 35 psi. Bled down well. TIH with 28 stands of tubing to 7841'. Dug out

wellhead to prepare for wellhead cut-off. Shut-in well for the day. Monica Kuehling was NMOCD inspector on location.

- 11/29/18** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 65 psi. Bled down well. R/U cementing services. Pumped plug #1 from 7841'-7641' to cover the Dakota perforations and formation top. Shut-in well for the day. Monica Kuehling was NMOCD inspector on location.
- 11/30/19** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 80 psi. Bled down well. R/U cementing services. Pumped plug #2 from 6812'-6662' to cover the Gallup formation top. PUH. Pumped plug #3 from 5912'-5762' to cover Mancos formation top. PUH. Pumped plug #4 from 5135'-4435' to cover the Mesa Verde and Chacra formation tops. PUH. Pumped plug #5 from 3630'-2800' to cover the Pictured Cliffs and Fruitland formation tops and 7" intermediate casing shoe. Shut-in Bradenhead and monitored pressures for an hour and a half. Over the hour and a half time interval the Bradenhead built up 12 psi. NMOCD decided to monitor Bradenhead pressures over the weekend. Shut-in well for the day. Monica Kuehling was NMOCD inspector on location.
- 12/3/18** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. Shut-in Bradenhead and monitored for 1 hour. Over the 1 hour interval that the well was monitored the Bradenhead did not build up any pressure. NMOCD inspector approved moving forward with plugging operations. Cementing operations will start back up 12/4/18. Monica Kuehling was NMOCD inspector on location.
- 12/4/18** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. R/U cementing services. Pumped plug #6 from 2257'-2094' to cover Kirtland and Ojo Alamo formation tops. PUH. Pumped plug #7 from 628'-478' to cover the Nacimiento formation top. Loaded Bradenhead with 7 bbls of fresh water and pressure tested to 300 psi in which it successfully held pressure. NMOCD is discussing running a CBL from 628'-surface to determine TOC and where to perforate at. Shut-in well for the day. Jonathan Kelly was NMOCD inspector on location.
- 12/5/18** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 35 psi. Bled down well. Attempted to pull up tubing but found it was stuck and found ice in 3" valve. Thawed out BOP. Attempted to pull up tubing but found it was still stuck. R/U cementing services. Attempted to circulate the well but it immediately pressured up. Ran sandline down tubing and tagged cement at 120' with EOT at 332'. Expected TOC was 478'. BP company man on location confirmed in BP Open Wells that the P&A procedure and proposed plugged WBD

were incorrect in the casing that was in the hole. WBD indicated 7" casing from 3000' to surface when in fact 4.5" casing was tied back into the 4.5" casing at 3000' with a casing patch. All plug volumes on procedure from 3000' to surface were calculated based on 7" casing resulting in TOC being higher than expected. NMOCD made the call to free point tubing at 120'. R/U wire line services. RIH and chemical cut tubing at 120'. Gas was venting from intermediate casing valve at surface. GAS Analysis service came and took gas sample for analysis. Sample results were sent to NMOCD/BLM offices for review. Drill collars and mill will be picked up 12/6/18 to start milling on fish. Shut-in well for the day. Jonathan Kelly was NMOCD inspector on location.

- 12/6/18** Checked well pressures: Tubing: 0 psi, Casing 0 psi, Bradenhead: 35 psi. Bled down well. P/U drill collars and mill. TIH and tagged fish at 121'. Milled on fish and made 16' of progress throughout the day. Jonathan Kelly was NMOCD inspector on location.
- 12/7/18** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 35 psi. Bled down well. TIH with drill collars and mill. Milled on fish and made 10' of progress throughout the day. Jonathan Kelly was NMOCD inspector on location.
- 12/10/18** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 35 psi. Bled down well. TIH with drill collars and mill. Milled on fish and made 8' of progress throughout the day. Jonathan Kelly was NMOCD inspector on location.
- 12/11/18** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 45 psi. Bled down well. TIH with drill collars and mill. Milled on fish and made 16' of progress throughout the day. Jonathan Kelly was NMOCD inspector on location.
- 12/12/18** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 45 psi. Bled down well. TIH with drill collars and mill. Milled on fish and made 15' of progress throughout the day. Jonathan Kelly was NMOCD inspector on location.
- 12/13/18** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 30 psi. Bled down well. TIH with drill collars and mill. Milled on fish and made 17' of progress throughout the day. Jonathan Kelly was NMOCD inspector on location.
- 12/14/18** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 30 psi. Bled down well. TIH with drill collars and mill. Milled on fish and made 13' of progress throughout the day. Jonathan Kelly was NMOCD inspector on location.

- 12/17/18** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 30 psi. Bled down well. TIH with drill collars and mill. Milled on fish and made 4' of progress throughout the day. A new mill will be picked up 12/18/18. Jonathan Kelly was NMOCD inspector on location.
- 12/18/18** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 30 psi. Bled down well. TIH with drill collars and mill. Milled on fish and made 16' of progress throughout the day. Jonathan Kelly was NMOCD inspector on location.
- 12/19/18** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 30 psi. Bled down well. TIH with drill collars and mill. Milled on fish and made 10' of progress throughout the day. Jonathan Kelly was NMOCD inspector on location.
- 12/20/18** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 30 psi. Bled down well. TIH with drill collars and mill. Milled on fish and made 21' of progress throughout the day. Jonathan Kelly was NMOCD inspector on location.
- 12/21/18** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 30 psi. Bled down well. TIH with drill collars and mill. Drill collars got stuck in wellbore while milling. Jars were picked up and BHA was jarred free. BHA was tripped to surface where it will be laid down 1/2/19.
- 1/2/19** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. M/U 4-3/4" jars and bumper sub. Successfully jarred stuck mill out of wellhead. L/D mill. Shut-in well for the night.
- 1/3/19** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. M/U tapered mill and dressed up casing head. TIH and tagged tight spots at 41' and 63'. TOOH with tapered mill. P/U junk mill and collars. TIH 1 stand. Shut-in well for the day.
- 1/4/19** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and tagged fish at 253'. Milled on fish and made 11' of progress throughout the day. Shut-in well for the day.
- 1/7/19** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and milled on fish and made 22' of progress throughout the day. Shut-in well for the day.
- 1/8/19** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and milled on fish and made 26' of progress throughout the day. Shut-in well for the day.

- 1/9/19** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and milled on cement and successfully drilled 144' of cement throughout the day. Shut-in well for the day.
- 1/10/19** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and milled through the Nacimiento plug at 614'. TIH and tagged Kirtland/Ojo Alamo plug top at 1810'. Milled 94' of cement down to 1904'. Shut-in well for the day.
- 1/11/19** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and milled 260' of cement down to 2164'. Shut-in well for the day.
- 1/14/19** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and milled 373' of cement down to 2762'. Shut-in well for the day.
- 1/15/19** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. TIH and milled 268' of cement down to 3040'. L/D work over string. Shut-in well for the day.
- 1/16/19** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 15 psi. Bled down well. P/U casing scraper and round tripped down to 3040'. R/U wire line services. RIH and perforated squeeze holes at 3016'. P/U CR, TIH and set at 2980'. Attempted to establish injection rate into perforations at 3016' but was unsuccessful. R/U wire line services. RIH and perforated squeeze holes at 2976'. P/U CR, TIH and set at 2960'. Successfully established injection rate into perforations at 2960'. Shut-in well for the day. Jonathan Kelly was NMOCD inspector on location.
- 1/17/19** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. R/U cementing services. Squeezed 18 sx of cement below CR at 2960'. Stung out of CR and spotted 16 sx of cement on top of CR at 2960' to cover the Fruitland formation top. Pressure tested casing to 800 psi in which it successfully held pressure. R/U wire line services. RIH and perforated squeeze holes at 2257'. P/U CR, TIH and set at 2207'. R/U cementing services. Squeezed 16 sx below CR at 2207'. Stung out of CR and spotted 13 sx of cement on top of CR at 2207' to cover the Kirtland and Ojo Alamo formation tops. R/U wire line services. RIH and perforated squeeze holes at 628'. P/U CR, TIH and set at 578'. R/U cementing services. Squeezed 15 sx below CR at 578'. Stung out of CR and spotted 13 sx of cement on top of CR at 578' to cover the Nacimiento formation top. R/U wire line services. RIH and perforated squeeze holes at 338'. R/U cementing services. Successfully circulated cement down through perforations at 338' and abck around and out 7" intermediate casing

valve at surface. N/D BOP and cut-off wellhead. Ran weighted tally tape down surface, intermediate, and production casings and tagged cement 43' down in surface casing, and never tagged cement in 7" intermediate casing or 4-1/2" production casing. WOC overnight and tag cement in 4-1/2" production casing with tubing in the morning. Jonathan Kelly was NMOCD inspector on location.

1/18/19 Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. P/U 5 joints of tubing and tagged cement in production casing at 136'. Installed P&A marker per BLM & NMOCD standards. Ran 3/4" poly pipe down surface, intermediate, and production casings and topped-off well with 68 sx of cement. Took a picture of the P&A marker in place and recorded its location via GPS coordinates. R/D and MOL. Jonathan Kelly was NMOCD inspector on location.

Plug Summary:

Plug #1: (Dakota Perforations and Formation Top 7841'-7641', 16 Sacks Class G Cement)

Mixed 16 sx Class G cement and spotted a balanced plug to cover Dakota perforations and formation top.

Plug #2: (Gallup Formation Top 6812'-6662', 12 Sacks Class G Cement)

Mixed 12 sx Class G cement and spotted a balanced plug to cover Gallup formation top.

Plug #3: (Mancos Formation Top 5912'-5762', 12 Sacks Class G Cement)

Mixed 12 sx Class G cement and spotted a balanced plug to cover Mancos formation top.

Plug #4: (Mesa Verde and Chacra Formation Tops 5135'-4435', 54 Sacks Class G Cement)

Mixed 54 sx Class G cement and spotted a balanced plug to cover the Mesa Verde and Chacra formation tops.

Plug #5: (Pictured Cliffs, and Fruitland Formation Tops, 7" Intermediate Casing Shoe 3630'-3040'/2976'-2800', 45 Sacks/34 sacks(18 sacks squeezed) Class G Cement)

Pumped plug #5 from 3630'-2800' to cover the Pictured Cliffs and Fruitland formation tops and 7" intermediate casing shoe. Cement was milled out to 3040'. RIH and perforated squeeze holes at 3016'. P/U CR, TIH and set at 2980'. Attempted to establish injection rate into perforations at 3016' but was unsuccessful. R/U wire line services. RIH and perforated squeeze holes at 2976'. P/U CR, TIH and set at 2960'. Successfully established injection rate into perforations at 2960'. Squeezed 18 sx of cement below CR at 2960'. Stung out of CR and spotted 16 sx of cement on top of CR at 2960' to cover the Fruitland formation top.

Plug #6: Kirtland and Ojo Alamo Formation Tops 2257'-2094', 29 Sacks Class G Cement(16 sacks squeezed)

RIH and perforated squeeze holes at 2257'. P/U CR, TIH and set at 2207'. R/U cementing services. Squeezed 16 sx below CR at 2207'. Stung out of CR and spotted 13 sx of cement on top of CR at 2207' to cover the Kirtland and Ojo Alamo formation tops.

Plug #7: Nacimiento Formation Top 628'-473', 28 Sacks Class G Cement(15 sacks squeezed)

RIH and perforated squeeze holes at 628'. P/U CR, TIH and set at 578'. R/U cementing services. Squeezed 15 sx below CR at 578'. Stung out of CR and spotted 13 sx of cement on top of CR at 578' to cover the Nacimiento formation top.

Plug #8: (Surface Shoe 338'-surface, 98 Sacks Class B Cement, 40 Sacks for top-off)

RIH and perforated squeeze holes at 338'. R/U cementing services. Successfully circulated cement down through perforations at 338' and back around and out 7" intermediate casing valve at surface. N/D BOP and cut-off wellhead. Ran weighted tally tape down surface, intermediate, and production casings and tagged cement 43' down in surface casing, and never tagged cement in 7" intermediate casing or 4-1/2" production casing. WOC overnight and tag cement in 4-1/2" production casing with tubing in the morning. P/U 5 joints of tubing and tagged cement in production casing at 136'. Installed P&A marker per BLM & NMOCD standards. Ran 3/4" poly pipe down surface, intermediate, and production casings and topped-off well with 68 sx of cement. Took a picture of the P&A marker in place and recorded its location via GPS coordinates.

Wellbore Diagram

NEBU

API #: 3004534203

San Juan, New Mexico

Plug 8
338 feet - Surface
338 feet plug
98 sacks of Class G Cement
40 sacks for top-off

Plug 7
628 feet - 473 feet
155 feet plug
28 sacks of Class G Cement
15 sacks Squeezed

Plug 6
2257 feet - 2094 feet
163 feet plug
29 sacks of Class G Cement
16 sacks Squeezed

Plug 5
3630 feet - 3040 feet
590 feet plug
45 sacks of Class G Cement
2976 feet - 2800 feet
176 feet plug
34 sacks of Class G Cement
18 sacks Squeezed

Plug 4
5135 feet - 4435 feet
700 feet plug
54 sacks of Class G Cement

Plug 3
5912 feet - 5762 feet
150 feet plug
12 sacks of Class G Cement

Plug 2
6812 feet - 6662 feet
150 feet plug
12 sacks of Class G Cement

Plug 1
7841 feet - 7641 feet
200 feet plug
16 sacks of Class G Cement

Surface Casing

9.625" 32# @ 285 ft

Formation

Ojo Alamo - 2303 feet
Kirtland - 2403 feet
Fruitland - 2937 feet
Pictured Cliffs - 3303 feet
Lewis - 3498 feet
Mesaverde - 4146 feet
Chavra - 4516 feet
Cliff House - 5137 feet
Menefee - 5364 feet
Point Lookout - 5668 feet
Mancos - 6054 feet
Gallup - 6973 feet
Greenhorn - 7678 feet
Graneros - 7731 feet

Intermediate Casing

7" 23# @ 3598 ft

Retainer @ 7841 feet

Production Casing

4.5" 11.6# @ 7859 ft

