

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. 30-045-34144
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. <b>E-3707-5</b>
7. Lease Name or Unit Agreement Name <b>NORTHEAST BLANCO UNIT</b>
8. Well Number 346
9. OGRID Number 000778
10. Pool name or Wildcat <b>BASIN DAKOTA</b>

**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  
1515 Arapahoe St, Tower 1, Suite 700  
Denver, CO 80202

4. Well Location  
 Unit Letter **P** : **1240** feet from the **South** line and **1205** feet from the **East** line  
 Section **36** Township **31N** Range **08W** NMPM **San Juan** County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
**6414'**

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 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"/>	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: <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.

**Notify NMOCD 24 hrs prior to beginning operations**

Notify NMOCD at P&A the subject well. Please see the attached procedure and wellbore diagram.

**NMOCD**

*CoA: extend top of plug #5 to 3172 to cover Fruitland*

**JUN 04 2018**

**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 *Toya Colvin* TITLE Regulatory Analyst DATE 05/31/2018

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

**For State Use Only**

APPROVED BY: *Branch Roll* TITLE Deputy Oil & Gas Inspector, District #3 DATE 6/20/18  
 Conditions of Approval (if any): AV

## PLUG AND ABANDONMENT PROCEDURE

May 28, 2018

### NEBU #346 DIRECTIONAL WELL

Basin Dakota

1240' FSL & 1205' FEL, Section 36, T-31-N, R-8-W  
San Juan County, New Mexico / API 30-045-34144

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be Class G, mixed at 15.8 ppg with a 1.15 cf/sx yield.

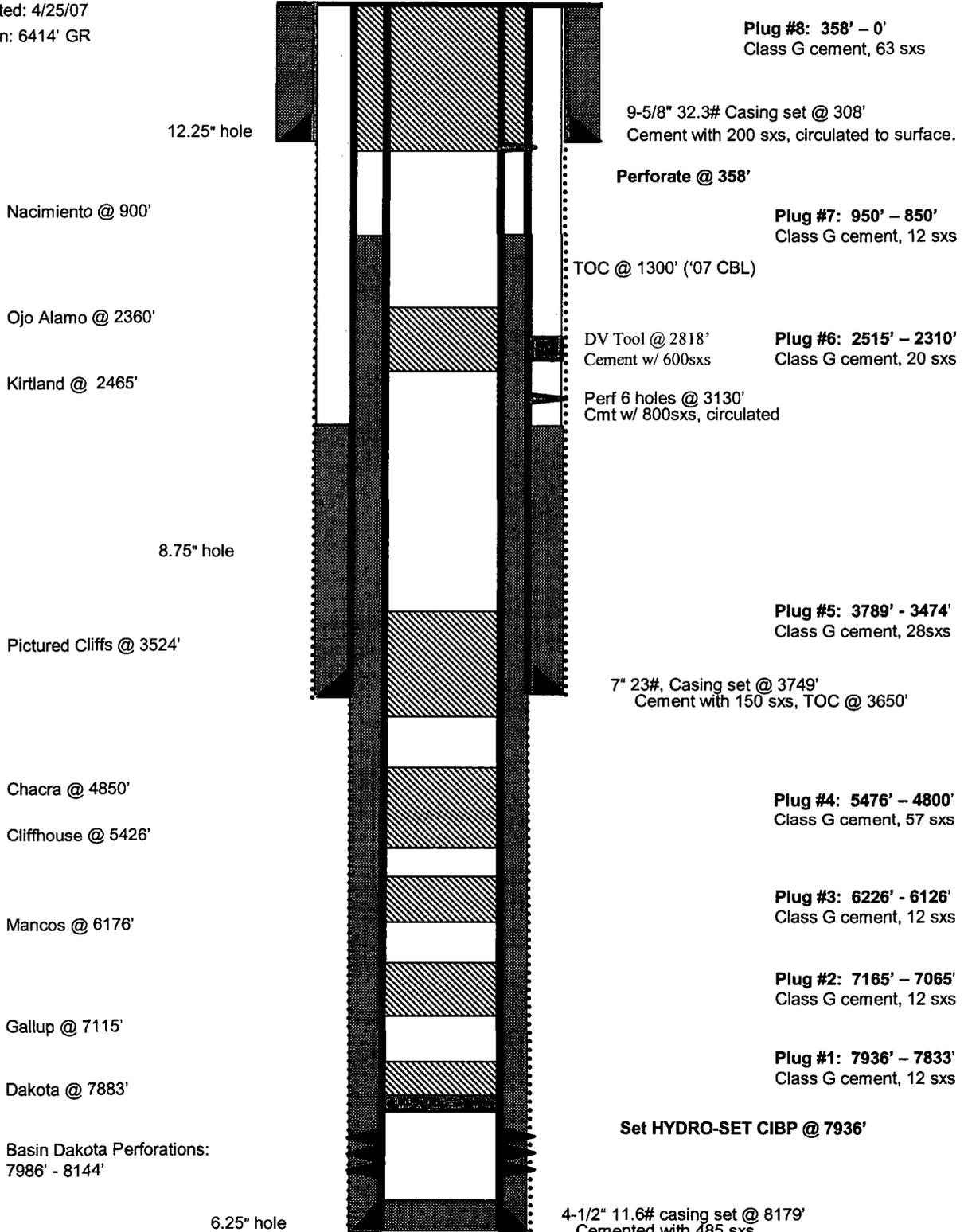
1. Install and test location rig anchors. Comply with all NMOCD, BLM, and Operator safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. Record casing, tubing and bradenhead pressures. NU relief line and blow down well. Kill well with water as necessary and at least pump tubing capacity of water down the tubing. ND wellhead and NU BOP. Function test BOP.
2. Rods: Yes  , No  , Unknown  .  
Tubing: Yes  , No  , Unknown  , Size 2-3/8" , Length 8133'  
Packer: Yes  , No  , Unknown  , Type  .
3. **NOTE: BLM requires a CBL log to be run on all wells where the cement did not circulate to surface or a CBL log was not previously run. This procedure is prepared with the understanding that it may be modified based on the TOC from the CBL.**
4. **Plug #1 (Dakota perforations and top, 7936' - 7833')**: Round trip 4.5" mill to 7936' or deep as possible. RIH and set 4.5" **HYDRO-SET CIBP** at 7936'. Pressure test tubing to 1000#. Pressure test casing to 800#. If casing does not test then spot or tag subsequent plugs as appropriate. Mix 12 sxs Class G cement spot above CIBP to isolate through the Dakota top. PUH.
5. **Plug #2 (Gallup top, 7165' - 7065')**: Mix 12 sxs Class G cement inside casing to cover the Gallup top. PUH.
6. **Plug #3 (Mancos top, 6226' - 6126')**: Mix 12 sxs Class G cement inside casing to cover the Mancos top. PUH.
7. **Plug #4 (Mesaverde and Chacra tops, 5476' - 4800')**: Mix 57 sxs Class G cement inside casing to cover the Mesaverde and Chacra tops. PUH.
8. **Plug #5 (7" casing shoe and Pictured Cliffs top, 3789' - ~~3474'~~<sup>3172</sup>)**: Mix 28 sxs Class G cement inside casing to cover the 7" casing shoe and Pictured Cliffs top. PUH.
9. **Plug #6 (Kirtland and Ojo Alamo tops, 2515' - 2310')**: Mix 20 sxs Class G cement inside casing to cover the Kirtland and Ojo Alamo tops. PUH.

10. **Plug #7 (Nacimiento top, 950' – 850')**: Mix 12 sxs Class G cement inside casing to cover the Nacimiento top. PUH.
11. **Plug #8 (9 5/8" casing shoe, 358' – 0')**: Perforate 4 squeeze holes at 358'. Establish circulation out 4.5 x 7" annulus with water and circulate clean. Note if cement circulates our 7" x 9-5/8" annulus adjust cement volume as appropriate. Mix approximately 63 sxs Class G cement and pump down the 4.5" casing to circulate good cement out 4.5" x 7" casing valve. Shut in well and WOC.
12. ND cementing valves and cut off wellhead. Fill annuli with cement as necessary. Install P&A marker to comply with regulations. Record GPS coordinate for P&A marker on tower report. Photograph P&A marker in place. RD, MOL and cut off anchors. Restore location per BLM stipulations.

**NEBU 346**  
**Proposed P&A**  
 Basin Dakota

1240' FSL & 1205' FEL, Section 36, T-31-N, R-8-W  
 San Juan County, NM, API #30-045-34144

Today's Date: 5/24/18  
 Spud: 3/27/07  
 Completed: 4/25/07  
 Elevation: 6414' GR



**Plug #8: 358' - 0'**  
 Class G cement, 63 sxs

9-5/8" 32.3# Casing set @ 308'  
 Cement with 200 sxs, circulated to surface.

**Perforate @ 358'**

**Plug #7: 950' - 850'**  
 Class G cement, 12 sxs

TOC @ 1300' ('07 CBL)

DV Tool @ 2818'  
 Cement w/ 600sxs

**Plug #6: 2515' - 2310'**  
 Class G cement, 20 sxs

Perf 6 holes @ 3130'  
 Cmt w/ 800sxs, circulated

**Plug #5: 3789' - 3474'**  
 Class G cement, 28sxs

7" 23#, Casing set @ 3749'  
 Cement with 150 sxs, TOC @ 3650'

**Plug #4: 5476' - 4800'**  
 Class G cement, 57 sxs

**Plug #3: 6226' - 6126'**  
 Class G cement, 12 sxs

**Plug #2: 7165' - 7065'**  
 Class G cement, 12 sxs

**Plug #1: 7936' - 7833'**  
 Class G cement, 12 sxs

**Set HYDRO-SET CIBP @ 7936'**

4-1/2" 11.6# casing set @ 8179'  
 Cemented with 485 sxs

MD 8182'  
 PBSD 8172'