

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
NMNM03549

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. BOLACK 2
2. Name of Operator BP AMERICA PRODUCTION COMPANY Contact: PATTI CAMPBELL Email: patti.campbell@bpx.com		9. API Well No. 30-045-23257-00-C1
3a. Address 1199 MAIN AVE DURANGO, CO 81301	3b. Phone No. (include area code) Ph: 970-712-5997	10. Field and Pool or Exploratory Area BASIN DAKOTA BLANCO MESAVERDE
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  Sec 19 T28N R8W SWNE 2430FNL 1650FEL 36.647420 N Lat, 107.718350 W Lon		11. County or Parish, State  SAN JUAN COUNTY, NM

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice BP	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

The subject well was plugged and abandoned on 3/9/2020 per the attached Final P&A report and Plugged Well Diagram. A CBL is attached.

NMOCD REC'D  
3/25/2020

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #507610 verified by the BLM Well Information System For BP AMERICA PRODUCTION COMPANY, sent to the Farmington Committed to AFMSS for processing by JOHN HOFFMAN on 03/19/2020 (20JH0061SE)</b>	
Name (Printed/Typed) PATTI CAMPBELL	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 03/18/2020

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By <b>ACCEPTED</b>	JOHN HOFFMAN Title PETROLEUM ENGINEER	Date 03/19/2020
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office Farmington

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

# **BP America**

## **Plug And Abandonment End Of Well Report**

### **Bolack 002**

2430' FNL & 1650' FEL, Section 19, T28N, R8W

San Juan County, NM / API 30-045-23257

#### **Work Summary:**

- 2/28/20** Made BLM and NMOCD P&A operations notifications at 10:00 AM MST.
- 3/2/20** MOL and R/U P&A unit. Checked well pressures: Tubing: 120 psi, Casing: 120 psi, Bradenhead: water flowing. Bled down well. Killed well with fresh water. N/D wellhead, N/U BOP and performed full 21-day BOP test. Well kept coming around. R/U flow back tank. Shut-in well for the day. Casey Arnett was BLM inspector on location.
- 3/3/20** Checked well pressures: Tubing: 120 psi, Casing: 120 psi, Bradenhead: water flowing. Bled down well. TOOH with production tubing and tallied on the way out of the hole. P/U casing scraper and round tripped above top Dakota perforation at 6525'. Shut-in well for the day. Casey Arnett was BLM inspector on location.
- 3/4/20** Checked well pressures: Tubing: 0 psi, Casing: 110 psi, Bradenhead: water flowing. Bled down well. Killed well with fresh water. P/U CR, TIH and set at 6484'. R/U cementing services. Loaded tubing with 25 bbls of fresh water and pressure tested to 1000 psi in which it successfully held pressure. Stung out of CR and loaded wellbore with 25 bbls of fresh water. Pumped plug #1 from 6484'-6275' to cover the Dakota perforations and formation top. WOC 4 hours. R/U wire line services. RIH and tagged up at 5975'. Ran CBL from wire line tag point at 5975' to bottom of the Mesa Verde perforations at 4500'. CBL results were sent to BLM/NMOCD offices for review. TIH and tagged plug #1 top at 6226'. PUH to next plug depth. Shut-in well for the day. Casey Arnett was BLM inspector on location.

**3/5/20** Checked well pressures: Tubing: 0 psi, Casing: 110 psi, Bradenhead: water flowing. Bled down well. R/U cementing services. Pumped plug #2 from 5646'-5442' to cover the Gallup formation top. WOC 4 hours. TIH and tagged plug #2 top at 5330'. TOO H with tubing. P/U CR, TIH and set at 3853'. Successfully established injection rate through CR at 3853'. Stung out of CR and circulated the wellbore clean with 60 bbls of fresh water. Pressure tested production casing to 800 psi in which it successfully held pressure. Stung back into CR. R/U cementing services. Squeezed 30 sx of cement through CR at 3853' and into perforations at 3892', stung out of CR and spotted 20 sx of cement on top of CR at 3853' to cover the Mancos formation top and Mesa Verde perforations and formation top. WOC overnight. TOO H with tubing. Shut-in well for the day. Casey Arnett was BLM inspector on location.

**3/6/20** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: water flowing. Bled down well. R/U wire line services. RIH and tagged plug #3 top at 3835'. Ran CBL from wire line tag point at 3835' to surface. CBL results were sent to BLM/NMOCD offices for review. Pressure tested production casing to 800 psi in which it successfully held pressure. TIH with tubing and tagged plug #3 top at 3835'. R/U cementing services. Topped-off plug #3 from 3835'-3630' to cover the Mancos and Mesa Verde formation tops. TOO H with tubing. R/U wire line services. RIH and perforated squeeze holes at 3180'. P/U CR, TIH and set at 3138'. R/U cementing services. Successfully established injection rate through CR at 3138' and into perforations at 3180'. Squeezed 59 sx of cement through CR at 3138' and into perforations at 3180'. Stung out of CR and spotted 8 sx of cement on top of CR at 3138' to cover the Chacra formation top. TOO H with tubing. R/U wire line services. RIH and perforated squeeze holes at 2190'. Shut-in well for the day. Casey Arnett was BLM inspector on location.

**3/9/20** Checked well pressures: Tubing: 0 psi, Casing: 100 psi, Bradenhead: water flowing. Bled down well. P/U CR, TIH and set at 2140'. R/U cementing services. Successfully established injection rate through CR at 2140' and into perforations at 2190'. Squeezed 150 sx of cement through CR at 2140' and into perforations at 2190'. Stung out of CR and spotted 31 sx of cement on top of CR at 2140' to cover the Pictured Cliffs and Fruitland formation tops. TOO H with tubing. R/U wire line services. RIH and perforated squeeze holes at 1351'. P/U CR, TIH and set at 1301'. R/U cementing services. Successfully established injection rate through CR at 1301' and into perforations at 1351'. Squeezed 115 sx of cement through CR at 1301' and into perforations at 1351'. Stung out of CR and spotted 21 sx of cement on top of CR at 1301' to cover the Kirtland and Ojo Alamo formation tops. TOO H with tubing. R/U wire line services. RIH and perforated

squeeze holes at 331'. R/U cementing services. Successfully established circulation down casing valve through perforations at 331' and back around and out Bradenhead valve at surface. Successfully circulated cement down casing valve through perforations at 331' and back around and out Bradenhead valve at surface to cover the surface casing shoe. N/D BOP and cut-off wellhead. Installed P&A marker per BLM/NMOC standards. Ran weighted tally tape down both surface and production casings and tagged cement 26' down in surface casing and 42' down in production casing. Ran ¾" poly pipe down both casings and topped off well with 50 sx of cement. Photographed the P&A marker in place and recorded its location via GPS coordinates. R/D and MOL. Casey Arnett was BLM inspector on location.

### **Plug Summary:**

#### **Plug #1: (Dakota Perforations and Formation Top 6484'-6226', 17 Sacks Class G Cement)**

Mixed 17 sx Class G cement and spotted a balanced plug to cover the Dakota perforations and formation top.

#### **Plug #2: (Gallup Formation Top 5646'-5330', 17 Sacks Class G Cement)**

Mixed 17 sx Class G cement and spotted a balanced plug to cover the Gallup formation top.

#### **Plug #3: (Mancos Formation Top and Mesa Verde Perforations and Formation Top 3892'-3630', 66 Sacks Class G Cement(Squeezed 30 sx, Topped-Off with 16 sx))**

P/U CR, TIH and set at 3853'. Successfully established injection rate through CR at 3853' and into perforations at 3892'. Squeezed 30 sx of cement through CR at 3853' and into perforations at 3892'. Stung out of CR and spotted 20 sx of cement on top of CR at 3853' to cover the Mancos formation top and Mesa Verde perforations and formation top.

#### **Plug #4: (Chacra Formation Top 3180'-3030', 67 Sacks Class G Cement(Squeezed 59 sx))**

RIH and perforated squeeze holes at 3180'. P/U CR, TIH and set at 3138'. Successfully established injection rate through CR at 3138' and into perforations at 3180'. Squeezed 59 sx of cement through CR at

3138' and into perforations at 3180'. Stung out of CR and spotted 8 sx of cement on top of CR at 3138' to cover the Chacra formation top.

**Plug #5: (Pictured Cliffs and Fruitland Formation Tops 2190'-1750', 181 Sacks Class G Cement(Squeezed 150 sx))**

RIH and perforated squeeze holes at 2190'. P/U CR, TIH and set at 2140'. Successfully established injection rate through CR at 2140' and into perforations at 2190'. Squeezed 150 sx of cement through CR at 2140' and into perforations at 2190'. Stung out of CR and spotted 31 sx of cement on top of CR at 2140' to cover the Pictured Cliffs and Fruitland formation tops.

**Plug #6: (Kirtland and Ojo Alamo Formation Tops 1351'-1040', 136 Sacks Class G Cement(Squeezed 115 sx))**

RIH and perforated squeeze holes at 1351'. P/U CR, TIH and set at 1301'. Successfully established injection rate through CR at 1301' and into perforations at 1351'. Squeezed 115 sx of cement through CR at 1301' and into perforations at 1351'. Stung out of CR and spotted 21 sx of cement on top of CR at 1301' to cover the Kirtland and Ojo Alamo formation tops.

**Plug #7: (Surface Shoe 331'-Surface, 224 Sacks Class G Cement, 50 Sacks for top-off)**

RIH and perforated squeeze holes at 331'. R/U cementing services. Successfully established circulation down casing valve through perforations at 331' and back around and out Bradenhead valve at surface. Successfully circulated cement down casing valve through perforations at 331' and back around and out Bradenhead valve at surface to cover the surface casing shoe. N/D BOP and cut-off wellhead. Installed P&A marker per BLM/NMOCD standards. Ran weighted tally tape down both surface and production casings and tagged cement 26' down in surface casing and 42' down in production casing. Ran 3/4" poly pipe down both casings and topped off well with 50 sx of cement. Photographed the P&A marker in place and recorded its location via GPS coordinates. R/D and MOL.

# Wellbore Diagram

Bolack 002

API #: 30-045-23257

San Juan County, New Mexico

## Plug 7

331 feet - Surface

331 feet plug

224 sacks of Class G Cement

50 sacks for top-off

## Plug 6

1351 feet - 1040 feet

311 feet plug

136 sacks of Class G Cement

115 sacks squeezed

## Plug 5

2190 feet - 1750 feet

440 feet plug

181 sacks of Class G Cement

150 sacks squeezed

## Plug 4

3180 feet - 3030 feet

150 feet plug

67 sacks of Class G Cement

59 sacks squeezed

## Plug 3

3892 feet - 3630 feet

262 feet plug

66 sacks of Class G Cement

30 sacks squeezed

16 sack top-off

## Plug 2

5646 feet - 5330 feet

316 feet plug

17 sacks of Class G Cement

## Plug 1

6484 feet - 6226 feet

258 feet plug

17 sacks of Class G Cement

## Perforations

3892 ft - 4735 ft

6525 ft - 6662 ft

## Surface Casing

9.625" 36# @ 281 ft

## Formation

Ojo Alamo - 1170 ft

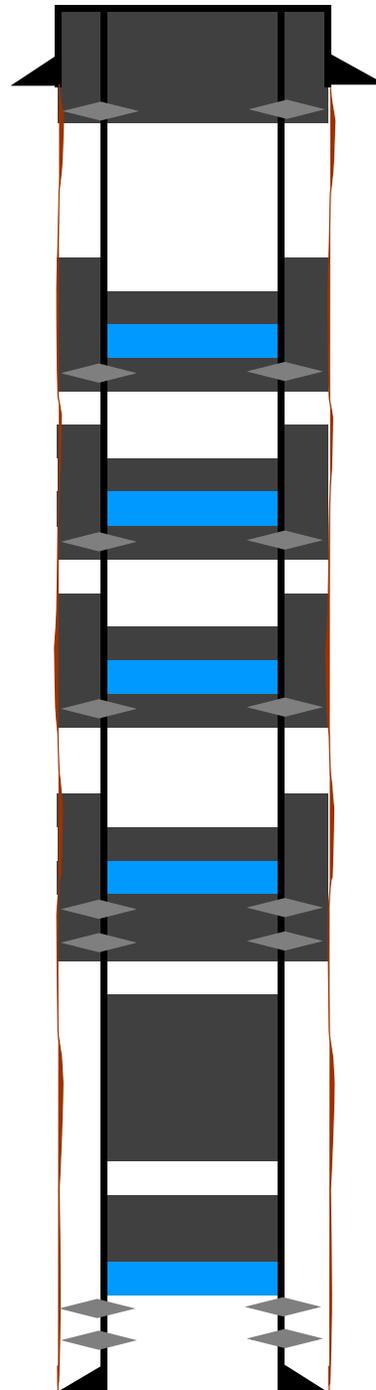
Kirtland - 1301 ft

Fruitland Coal - 1890 ft

Pictured Cliffs - 2170 ft

## Production Casing

4.5" 10.5# @ 6714 ft



Retainer @ 1301 feet

Retainer @ 2190 feet

Retainer @ 3138 feet

Retainer @ 3853 feet

Retainer @ 6484 feet