

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.
NMNM014375

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

7. If Unit or CA/Agreement, Name and/or No.
14080018221

8. Well Name and No.
CORNELL A 1E

9. API Well No.
30-045-24132-00-S1

10. Field and Pool or Exploratory Area
BASIN DAKOTA

11. County or Parish, State
SAN JUAN COUNTY, NM

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator **BP AMERICA PRODUCTION COMPANY** Contact: **TOYA COLVIN**
Mail: **Toya.Colvin@bp.com**

3a. Address **501 WESTLAKE PARK BLVD. THREE ELDRIGE PLACE HOUSTON, TX 77079**
3b. Phone No. (include area code) **Ph: 281.892.5369**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 10 T29N R12W SESW 0910FSL 1760FWL 36.736191 N Lat, 108.088867 W Lon

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	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
BP	<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.

Please see the attached P&A operations performed on the subject well January 2018.

14080018221

OIL CONS. DIV DIST. 3

FEB 13 2018

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #402766 verified by the BLM Well Information System
For BP AMERICA PRODUCTION COMPANY, sent to the Farmington
Committed to AFMSS for processing by JACK SAVAGE on 02/07/2018 (17AE0306SE)**

Name (Printed/Typed) **TOYA COLVIN**

Title **REGULATORY ANALYST**

Signature (Electronic Submission)

Date **01/31/2018**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By **ACCEPTED**

JACK SAVAGE
Title **PETROLEUM ENGINEER**

Date **02/07/2018**

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 ****

NMOC D PV

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BP America Production Co.

Plug And Abandonment End Of Well Report

Cornell A 1E

910' FSL & 1760' FWL, Section 10, T29N, R12W

San Juan County, NM / API 30-045-24132

Work Summary:

- 1/12/18** Made BLM, and NMOCD P&A operations notifications at 9:00 AM MST.
- 1/15/18** MOL and R/U P&A unit. Checked well pressures: Tubing: N/A, Casing: 10 psi, Bradenhead: 80 psi. Blew down well. N/D wellhead and N/U BOP. P/U 3500' of tubing with casing scraper and bit off of tubing float. Shut-in well for the day.
- 1/16/18** Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Blew down well. TIH with casing scraper to 5960' and tagged hard scale. Rotated through 20' of scale and stopped making headway with casing scraper. TOH and P/U string mill. TIH and swivel-up to start milling tight spot on 1-17-18.
- 1/17/18** Milled 90' of hard scale down to top perforation at 6127'. Circulated bottoms up and TOH with mill. **P/U CR, TIH and set at 6077'**. Loaded tubing with 25 bbl of fresh water and pressure tested to 1000 psi in which it successfully held pressure. Stung out of CR and circulated hole with 100 bbl fresh water until returns were clean. Attempted to pressure test casing to 800 psi in which it failed to hold adequate pressure. R/U cementing services and pumped balanced **Plug #1: (Dakota Perforations and Formation Top 6077'-5846', 24 Sacks Class B Cement)** Mixed 24 sx Class B cement and spotted a balanced plug to cover Dakota perforations and formation top. R/D cementing services and shut-in well for the day. WOC overnight. Ron Chavez was BLM inspector on location.

- 1/18/18** TOH, L/D stinger and P/U cementing sub. TIH with cementing sub and tagged plug #1 top at 5846'. Pressure tested casing to 800 psi in which it failed to hold adequate pressure. Pumped plug #2 at 5330' **Plug #2: (Gallup Formation Top 5330'-5066', 20 Sacks Class B Cement)** Mixed 20 sx Class B cement and spotted a balanced plug to cover Gallup formation top. WOC 4 hours. TIH and tagged plug #2 top at 5066'. PUH and pumped plug #3 at 4418'. **Plug #3: (Mancos and Pt. Lookout Formation Tops 4418'-3907', 52 Sacks Class B Cement)** Mixed 52 sx Class B cement and spotted a balanced plug to cover Mancos and Pt. Lookout formation top. Shut-in well for the day. WOC overnight. Ron Chavez was BLM inspector on location.
- 1/19/18** TIH and tagged plug #3 top at 3907'. TOH with tubing and R/U wireline services. Ran CBL from top of plug #3 at 3907' to surface. CBL results showed no cement behind casing from 3675' to surface. R/U wireline services. RIH and perforated squeeze holes at 3294'. TIH with CR and set at 3244'. Stung out of CR and pressure tested casing to 800 psi in which it failed to hold pressure. **Plug #4: (Mesa Verde(Cliffhouse)Formation Top 3294'-3074', 66 Sacks Class B Cement)** RIH with 4-1/2" CR and set at 3244'. Mix 66 sx Class B cement. Squeezed 50 sx outside casing leaving 16 sx inside casing to cover Mesa Verde(Cliffhouse) formation top. TOH with tubing. Shut-in well for the day. WOC overnight. Ron Chavez was BLM inspector on location.
- 1/22/18** TIH with cementing sub and tagged cement at 3074'. TOH and R/U wireline services. RIH and perforated squeeze holes at 2705'. P/U CR, TIH and set at 2655'. Stung out of CR and pressure tested casing to 800 psi in which it failed to hold pressure. **Plug #5: (Chacra Formation Top 2705'-2553', 50 Sacks Class B Cement)** Mix 50 sx Class B cement. Squeezed 43 sx outside casing leaving 7 sx inside casing to cover Chacra formation top. WOC 4 hours. TIH with cementing sub and tagged cement at 2553'. Pressure tested casing to 800 psi in which it successfully held pressure. Pressure test witnessed by BLM inspector Ron Chavez. Shut-in well for the day.
- 1/23/18** TOH with tubing. R/U wireline services. RIH and perforated squeeze holes at 1773'. P/U CR, TIH and set at 1722'. R/U cementing services for 1-24-18. Shut-in well for the day.
- 1/24/18** R/U cementing services and pumped **Plug #6: (Pictured Cliffs Formation Top 1773'-1573', 74 Sacks Class B Cement)** RIH and perforate 3 squeeze holes at 1773'. RIH with 4-1/2" CR and set at 1722'. Mix 74 sx Class B cement. Squeezed 62 sx outside casing leaving 12 sx inside casing to cover Pictured Cliffs formation top. R/U wireline services. RIH and perforated squeeze holes at 1339'. P/U CR, TIH and set at 1286'. R/U cementing services and pumped **Plug #7:**

(Fruitland Formation Top 1339'-1189', 77 Sacks Class B Cement).
RIH with 4-1/2" CR and set at 1286'. Mix 77 sx Class B cement.
Squeezed 65 sx outside casing leaving 12 sx inside casing to cover
Fruitland formation top. Put pressure gauge on Bradenhead and
monitored for 2 hours. R/U wireline services. RIH and perforated at
467'. Circulated 54 bbls of cement around Bradenhead and got good
cement returns to surface. N/D BOP and cut-off wellhead. Ran tally
tape down hole and tagged cement at 11' inside surface casing, and
45' down in production casing. RIH with 1" poly pipe and topped well
off with 36 sx of cement- **Plug #8: (Kirtland, Ojo Alamo Formation
Tops, Surface Shoe 467'-surface, 90 Sacks Class B Cement, 36
Sacks for top-off)** Installed P&A marker per BLM regulations. Ron
Chavez was BLM inspector on location. R/D MOL.

Wellbore Diagram

Cornell A 1E
API #: 3004524132
San Juan, New Mexico

Plug 8

467 feet - Surface
467 feet plug
90 sacks of Class B Cement
(Top off with 36 sacks)

Plug 7

1339 feet - 1189 feet
150 feet plug
Squeeze 65 sacks through perfs
Leave 12 sacks in casing

Plug 6

1773 feet - 1573 feet
200 feet plug
Squeeze 62 sacks through perfs
Leave 12 sacks in casing

Plug 5

2705 feet - 2553 feet
152 feet plug
Squeeze 43 sacks through perfs
Leave 7 sacks in casing

Plug 4

3294 feet - 3074 feet
220 feet plug
Squeeze 50 sacks through perfs
Leave 16 sacks in casing

Plug 3

4418 feet - 3907 feet
511 feet plug
52 sacks of Class B Cement

Plug 2

5330 feet - 5066 feet
264 feet plug
20 sacks of Class B Cement

Plug 1

6077 feet - 5846 feet
231 feet plug

Surface Casing

8.625" 24# @ 300 ft

Formation

Ojo Alamo - 300 feet
Pictured Cliffs - 1660 feet
Lewis - 1840 feet
Cliffhouse - 3250 feet
Menefee - 3320 feet
Point Lookout - 402 feet
Mancos - 4400 feet
Gallup - 5300 feet
Greenhorn - 6060 feet
Dakota - 6170 feet

Retainer @ 6077 feet

Production Casing

4.5" 10.5# @ 6370 ft



