

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.
NMSF065557

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.
SW96

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
CORNELL D 1

2. Name of Operator
BP AMERICA PRODUCTION COMPANY
Contact: PATTI CAMPBELL
Email: patti.campbell@bpx.com

9. API Well No.
30-045-08476-00-S1

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 12 T29N R12W SWSE 1136FSL 1625FEL
36.736160 N Lat, 108.046539 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	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
<i>for</i>	<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 4/10/19 per the attached Final P&A report and Plugged Well Diagram. A CBL is attached.

The reclamation plan is attached.

NMOC
AUG 05 2019
DISTRICT III

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

**Electronic Submission #464332 verified by the BLM Well Information System
For BP AMERICA PRODUCTION COMPANY, sent to the Farmington
Committed to AFMSS for processing by ALBERTA WETHINGTON on 05/13/2019 (19JWS0053SE)**

Name (Printed Typed)	PATTI CAMPBELL	Title	REGULATORY ANALYST
Signature	(Electronic Submission)	Date	05/07/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By	<u>JOE KILLINS</u>	Title	ENGINEER	Date	07/31/2019
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 *RV*

8

BP America

Plug And Abandonment End Of Well Report

Cornell D 001

1136' FSL & 1625' FEL, Section 12, T29N, R12W

San Juan County, NM / API 30-045-08476

Work Summary:

- 3/24/19** Made BLM and NMOCD P&A operations notifications at 10:00 AM MST.
- 3/25/19** MOL and R/U P&A unit. Checked well pressures: Tubing: 10 psi, Casing: 350 psi, Bradenhead: 25 psi. Bled down well. N/D wellhead, N/U BOP and performed full 21-day BOP test. Attempted to un-seat tubing hangar but was unable to unseat hangar after pulling 40,000 lbs with 18 inches of pipe stretch. R/U wire line services. RIH and tagged plunger at 4860'. Made 3 additional runs with slick line and was able to retrieve half of the plunger down hole. Shut-in well for the day.
- 3/26/19** Checked well pressures: Tubing 500 psi, Casing: 400 psi, Bradenhead: 25 psi. Bled down well. Attempted to circulate down wellbore to relieve obstruction at 4890' but was unsuccessful. R/U wire line services. RIH with gauge ring and tagged up at 4890'. Attempted to circulate the wellbore a second time to relieve obstruction but immediately pressured up. Attempted to fish obstruction at 4890' with sand line but was unsuccessful. N/D BOP and pulled tubing hangar. N/U BOP. Attempted manual back off of tubing but tubing backed off at surface. N/D BOP and replaced collar where tubing parted. N/U BOP and worked stuck pipe with swivel. Shut-in well for the day. Mike Gilbreath was BLM inspector on location.
- 3/27/19** Checked well pressures: Tubing: 550 psi, Casing: 550 psi, Bradenhead: 20 psi. Bled down well. R/U slick line services. RIH and

retrieved bumper spring out of tubing at 4890'. RIH with gauge ring in tubing and tagged up at 4910'. R/U wire line services. RIH and chemical cut at 4886'. L/D 156 joints of bad tubing on tubing float. P/U collars, wash over skirt, and wash pipe on 2-3/8" work string. Tag top of fish. Shut-in well for the day. Mike Gilbreath was BLM inspector on location.

- 3/28/19** Checked well pressures: Tubing: 550 psi, Casing: 550 psi, Bradenhead: 20 psi. Bled down well. Tagged fish top at 4905'. Washed over fish with wash pipe to 5095'. TOOH with tubing. P/U outside tubing cutter. TIH and cut tubing at 5075'. TOOH and L/D five joints of the fish. TIH with overshot. P/U swivel, broke circulation and latched onto fish. Attempted to work fish free but was unsuccessful. Shut-in well for the day. Mike Gilbreath was BLM inspector on location.
- 3/29/19** Checked well pressures: Tubing: 530 psi, Casing: 530 psi, Bradenhead: 10 psi. Bled down well. TIH and latched onto fish. R/U slick line services. RIH with 1.75" gauge ring down tubing and tagged up at fish top at 5080'. RIH with 1.50" slick line bailer and retrieved samples. Un-latched from fish top and washed over fish to 5256'. Shut-in well for the day. Mike Gilbreath was BLM inspector on location.
- 3/30/19** Checked well pressures: Tubing: 550 psi, Casing: 550 psi, Bradenhead: 20 psi. Bled down well. Continued washing over fish. TOOH with wash pipe. P/U outside tubing cutter. TIH and cut tubing. TOOH and L/D 5 joints of tubing. P/U wash pipe. TIH and washed over fish to 5415'. TOOH with tubing. Shut-in well for the day. Mike Gilbreath was BLM inspector on location.
- 3/31/19** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 10 psi. Bled down well. TIH with wash pipe and washed over fish. TOOH with wash pipe. P/U outside tubing cutter. TIH with tubing cutter and cut tubing. TOOH and L/D five joints of tubing. P/U jars and TIH to fish top. Shut-in well for the day. Mike Gilbreath was BLM inspector on location.
- 4/1/19** Checked well pressures: Tubing: 0 psi, Casing: 380 psi, Bradenhead: 10 psi. Bled down well. TOOH and L/D jars. TIH with outside tubing cutter and made outside tubing cut at 5585'. TOOH and L/D five joints of tubing. P/U wash over pipe. TIH and washed over fish to 5768'. TOOH and L/D wash pipe. P/U outside tubing cutter and TIH to top of fish. Shut-in well for the day. Mike Gilbreath was BLM inspector on location.

- 4/2/19** Checked well pressures: Tubing: 0 psi, Casing: 460 psi, Bradenhead: 20 psi. Bled down well. TIH over fish with outside tubing cutter. Performed tubing cut at 5754'. Circulated the wellbore clean. TOOH and L/D five joints of tubing. TIH and tagged fish top at 5785'. Washed over fish to 5937'. Circulated the wellbore clean. TOOH and L/D wash pipe. P/U outside tubing cutter. TIH and performed tubing cut at 5930'. L/D six joints of tubing. Shut-in well for the day. Mike Gilbreath was BLM inspector on location.
- 4/3/19** Checked well pressures: Tubing: 0 psi, Casing: 430 psi, Bradenhead: 20 psi. Bled down well. Circulated the wellbore clean. TOOH with tubing and L/D fish, wash pipe, and collars. P/U cementing sub and TIH to 5930'. R/U cementing services. Pumped plug #1 from 5930'-5786' to cover the Dakota perforations, formation top, and fish top. WOC overnight. Shut-in well for the day. Mike Gilbreath was BLM inspector on location.
- 4/4/19** Checked well pressures: Tubing: 0 psi, Casing: 400 psi, Bradenhead: 20 psi. Bled down well. TIH and tagged plug #1 top at 5566'. Circulated the wellbore clean with 30 bbls of fresh water. Attempted to pressure test casing to 800 psi in which it failed to hold pressure. TOOH with tubing. R/U wire line services. RIH and ran CBL from plug #1 top at 5566' to surface. CBL results were sent to BLM/NMOCD offices for review. RIH and perforated squeeze holes at 5462'. Attempted to come out of the hole but perforating guns were stuck at perforating depth. Attempted to work free and parted wire line rope socket. TIH with overshot and latched onto perforating guns. Successfully worked perforating guns free. TOOH and L/D perforating guns at surface. Shut-in well for the day. Mike Gilbreath was BLM inspector on location.
- 4/5/19** Checked well pressures: Tubing: 0 psi, Casing: 320 psi, Bradenhead: 20 psi. Bled down well. P/U CR, TIH and set at 5412'. R/U cementing services. Attempted to establish injection rate into perforations at 5462' but was unsuccessful. Stung out of CR and pumped plug #2 from top of CR at 5412'-5162' to cover the Gallup formation top. WOC 6 hours. TIH and tagged plug #2 top at 5153'. Pressure tested casing to 800 psi in which it failed to hold pressure. TOOH with tubing. Shut-in well for the day. William Diers was BLM inspector on location.
- 4/8/19** Checked wellbore pressures: Tubing: 0 psi, Casing: 520 psi, Bradenhead: 20 psi. Bled down well. R/U wire line services. RIH and perforated squeeze holes at 4548'. P/U CR, TIH and set at 4492'. R/U cementing services. Attempted to establish injection rate into perforations at 4548' but was unsuccessful. Stung out of CR and pumped plug #3 from top of CR at 4492'-4242' to cover the Mancos formation top. WOC 4 hours. TIH and tagged plug #3 top at 4270'.

Pressure test casing to 800 psi in which it failed to hold pressure. R/U wire line services. RIH and perforated squeeze holes at 3410'. P/U CR, TIH and set at 3382'. R/U cementing services. Attempted to establish injection rate into perforations at 3410' but was unsuccessful. Stung out of CR and pumped plug #4 from top of CR at 3382'-2898' to cover the Mesa Verde formation top. WOC overnight. Shut-in well for the day. William Diers was BLM inspector on location.

4/9/19

Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 20 psi. Bled down well. TIH and tagged plug #4 top at 2922'. R/U wire line services. RIH and perforated squeeze holes at 2870'. P/U CR, TIH and set at 2818'. R/U cementing services. Successfully established injection rate into perforations at 2870'. Squeezed 29 sx of cement below CR at 2818'. Stung out of CR and spotted 12 sx of cement on top of CR at 2818'-2668' to cover the Chacra formation top. WOC 4 hours. TIH and tagged plug #5 top at 2695'. Pressure tested casing to 800 psi in which it successfully held pressure. Loaded Bradenhead with 5 bbls of fresh water and pressure tested to 300 psi in which it failed to hold pressure. R/U cementing services. Pumped plug #6 from 1830'-1321' to cover the Pictured Cliffs and Fruitland formation tops. PUH. Pumped plug #7 from 634'-330' to cover the Kirtland and Ojo Alamo formation tops. Shut-in well for the day. William Diers was BLM inspector on location.

4/10/19

Checked well pressures: Tubing: 0 psi, Casing 0 psi, Bradenhead: 20 psi. Bled down well. R/U wire line services. RIH and perforated squeeze holes at 280'. R/U cementing services. Successfully established circulation down through perforations at 280' and back around and out Bradenhead valve at surface. Successfully circulated cement down through perforations at 280' and back around and out Bradenhead valve at surface. N/D BOP and cut-off wellhead. Ran weighted tally tape down production casing and tagged cement 3' down. Cement was at surface in surface casing. Ran 3/4" poly pipe down production casing and topped off well with 48 sx of cement. Installed P&A marker per BLM/NMOCD standards. Photographed the P&A marker in place and recorded its location via GPS coordinates. R/D and MOL. William Diers was BLM inspector on location.

Plug Summary:

Plug #1: (Dakota Perforations and Formation Top 5930'-5566', 35 Sacks Class G Cement)

Mixed 35 sx Class G cement and spotted a balanced plug to cover the Dakota perforations and formation top.

Plug #2: (Gallup Formation Top 5412'-5153', 20 Sacks Class G Cement)

RIH and perforated squeeze holes at 5462'. P/U CR, TIH and set at 5412'. Attempted to establish injection rate into perforations at 5462' but was unsuccessful. Stung out of CR and spotted a balanced plug on top of CR from 5412'-5153' to cover the Gallup formation top.

Plug #3: (Mancos Formation Top 4492'-4270', 20 Sacks Class G Cement)

RIH and perforated squeeze holes at 4548'. P/U CR, TIH and set at 4492'. Attempted to establish injection rate into perforations at 4548' but was unsuccessful. Stung out of CR and spotted a balanced plug on top of CR from 4492'-4270' to cover the Mancos formation top.

Plug #4: (Mesa Verde Formation Top 3382'-2922', 39 Sacks Class G Cement)

RIH and perforated squeeze holes at 3410'. P/U CR, TIH and set at 3382'. Attempted to establish injection rate into perforations at 3410' but was unsuccessful. Stung out of CR and spotted a balanced plug on top of CR from 3382'-2922' to cover the Mesa Verde formation top.

Plug #5: (Chacra Formation Top 2870'-2695', 41 Sacks(Squeezed 29 sacks) Class G Cement)

RIH and perforated squeeze holes at 2870'. P/U CR, TIH and set at 2818'. Successfully established injection rate into perforations at 2870'. Squeezed 29 sx of cement below CR at 2818'. Stung out of CR and spotted 12 sx of cement on top of CR from 2818'-2695' to cover the Chacra formation top.

Plug #6: (Pictured Cliffs and Fruitland Formation Tops 1830'-1321', 41 Sacks Class G Cement)

Mixed 41 sx Class G cement and spotted a balanced plug to cover the Pictured Cliffs and Fruitland formation tops.

Plug #7: (Kirtland and Ojo Alamo Formation Tops 634'-330', 25 Sacks Class G Cement)

Mixed 25 sx Class G cement and spotted a balanced plug to cover the Kirtland and Ojo Alamo formation tops.

Plug #8: (Surface Shoe 280'-surface, 136 Sacks Class G Cement, 48 Sacks for top-off)

Loaded Bradenhead with 5 bbls of fresh water and pressure tested to 300 psi in which it failed to hold pressure. RIH and perforated squeeze holes at 280'. R/U cementing services. Successfully established circulation down through perforations at 280' and back around and out Bradenhead valve at surface. Successfully circulated cement down through perforations at 280' and back around and out Bradenhead valve at surface. N/D BOP and cut-off wellhead. Ran weighted tally tape down production casing and tagged cement 3' down. Cement was at surface in surface casing. Ran 3/4" poly pipe down production casing and topped off well with 48 sx of cement. Installed P&A marker per BLM/NMOCD standards. Photographed the P&A marker in place and recorded its location via GPS coordinates. R/D and MOL.

Wellbore Diagram

Cornell D 001

API #: 3004508476

San Juan County, New Mexico

Plug 8

280 feet - Surface
 280 feet plug
 136 sacks of Class G Cement
 48 sacks for top-off

Plug 7

634 feet - 330 feet
 304 feet plug
 25 sacks of Class G Cement

Plug 6

1830 feet - 1321 feet
 509 feet plug
 41 sacks of Class G Cement

Plug 5

2870 feet - 2695 feet
 175 feet plug
 41 sacks of Class G Cement
 29 sacks squeezed

Plug 4

3382 feet - 2922 feet
 460 feet plug
 39 sacks of Class G Cement

Plug 3

4492 feet - 4270 feet
 222 feet plug
 20 sacks of Class G Cement

Plug 2

5412 feet - 5153 feet
 259 feet plug
 20 sacks of Class G Cement

Plug 1

5930 feet - 5566 feet
 364 feet plug
 35 sacks of Class G Cement

Surface Casing

8.625" 24# @ 254 ft

Formation

Fruitland - 750 feet
 Pictured Cliff - 1780 feet
 Lewis Shale - 1940 feet
 Mesa Verde - 3360 feet
 Mancos - 4520 feet
 Gallup - 5395 feet
 Greenhorn - 6150 feet
 Dakota - 6868 feet

Retainer @ 5930 feet

Production Casing

4.5" 9.5# @ 6493 ft

