

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.

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 | | 5. Lease Serial No. NMSF065557 |
| 2. Name of Operator BP AMERICA PRODUCTION COMPANY | | 6. If Indian, Allottee or Tribe Name |
| 3a. Address 1199 MAIN AVE. SUITE 101 DURANGO, CO 81301 | | 7. If Unit or CA/Agreement, Name and/or No. SW96 |
| 3b. Phone No. (include area code) Ph: 970-712-5997 | | 8. Well Name and No. CORNELL D 1 |
| 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 | | 9. API Well No. 30-045-08476-00-S1 |
| | | 10. Field and Pool or Exploratory Area BASIN DAKOTA |
| | | 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 checked="" 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 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 |
| | <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 recompleat 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.

BP requests to P&A the subject well. Please see the attached P&A procedure, wellbore diagrams and BLM required reclamation plan documents.

In accordance with NMOCD Pit Rule 19.15.17.9 NMAC, BP will use a closed-loop system during operations.

NMOCD

FEB 22 2019

DISTRICT III

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

| | |
|---|--------------------------|
| 14. I hereby certify that the foregoing is true and correct. Electronic Submission #454127 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 02/13/2019 (19JWS0053SE) | |
| Name (Printed/Typed) PATTI CAMPBELL | Title REGULATORY ANALYST |
| Signature (Electronic Submission) | Date 02/11/2019 |

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

| | | |
|---|---------------------------------|--------------------------|
| Approved By <u>JACK SAVAGE</u> | Title <u>PETROLEUM ENGINEER</u> | Date <u>02/13/2019</u> |
| 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 <u>Farmington</u> |

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 ****

NMOCD

BP America

Plug And Abandonment Procedure

Cornell D 001

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

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

1. Hold pre-job safety meeting. Comply with all NMOCD, BLM safety and environmental regulations. Test rig anchors prior to moving in rig if not rigged to base beam.
2. Check casing, tubing, and Bradenhead pressures.
3. Remove existing piping on casing valve. RU blow lines from casing valves and begin blowing down casing pressure. Kill well as necessary. Ensure well is dead or on a vacuum.
4. N/D wellhead and N/U BOP. Function test BOP.
5. P/U 4 ½" bit or casing scraper on 2-3/8" work string and round trip as deep as possible above top perforation at 6274'.
6. P/U 4 ½" CR, TIH and set CR at +/- 6224'. Pressure test tubing to 1000 psi. Sting out of CR. Load hole, and pressure test casing to 800 psi. If casing does not test, then spot or tag subsequent plugs as appropriate. POOH w/ tubing.
7. RU wireline and run CBL with 500 psi on casing from CR at 6224' to surface to identify TOC. Adjust plugs as necessary for new TOC. Email log copy to

Jack Savage (BLM) at jwsavage@blm.gov and Brandon Powell at Brandon.powell@state.nm.us upon completions of logging operations.

8. Rig up to pump cement down tubing. Pump water to establish rate down tubing.

NOTE: All Plugs Include 100% excess outside casing and 50% Excess inside casing

9. Plug 1 (**Dakota Perforations and Dakota Formation Top 6224'-6168', 6 Sacks Class G Cement**)

Mix 6 sx Class G cement and spot a balanced plug inside casing to cover Dakota perforations and formation top.

10. Plug 2 (**Gallup Formation Top 5445'-5295', 12 Sacks Class G Cement**)

Mix 12 sx Class G cement and spot a balanced plug inside casing to cover Gallup formation top.

11. Plug 3 (**Mancos Formation Top 4570'-4420', 12 Sacks Class G Cement**)

Mix 12 sx Class G cement and spot a balanced plug inside casing to cover Mancos formation top.

12. Plug 4 (**Cliffhouse(Mesa Verde) and Chacra Formation Tops 3410'-3000', 35 Sacks Class G Cement**)

Mix 35 sx Class G cement and spot a balanced plug inside casing to cover Cliffhouse(Mesa Verde) and Chacra formation tops.

13. Plug 5 (**Pictured Cliffs and Fruitland Formation Tops 1830'-1400', 36 Sacks Class G Cement**)

Mix 36 sx Class G cement and spot a balanced plug inside casing to cover Pictured Cliffs and Fruitland formation tops.

14. Plug 6 (**Kirtland and Ojo Alamo Formation Tops 800'-450', 28 Sacks Class G Cement**)

Mix 28 sx Class G cement and spot a balanced plug inside casing to cover the Kirtland and Ojo Alamo formation tops.

15. Plug 7 (Surface Shoe and Surface 304'-surface, 100 Sacks Class G Cement)

Attempt to pressure test the Bradenhead annulus to 300 psi; note the volume to load. If BH annulus holds pressure, then establish circulation out casing valve with water. Mix approximately 100 sx cement and spot a balanced plug from 304' to surface, circulate good cement out of casing valve. TOH and LD tubing. Shut well in and WOC. If BH annulus does not test, then perforate at the appropriate depth and attempt to circulate cement to surface filling the casing from 304' and the annulus from the squeeze holes to surface. Shut in well and WOC.

16. 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 restore location per BLM stipulations.

Wellbore Diagram

Cornell D 001

API #: 3004508476

San Juan County, New Mexico

Plug 7

304 feet - Surface

304 feet plug

100 sacks of Class G Cement

Plug 6

800 feet - 450 feet

350 feet plug

28 sacks of Class G Cement

Plug 5

1830 feet - 1400 feet

430 feet plug

36 sacks of Class G Cement

Plug 4

3410 feet - 3000 feet

410 feet plug

35 sacks of Class G Cement

Plug 3

4570 feet - 4420 feet

150 feet plug

12 sacks of Class G Cement

Plug 2

5445 feet - 5295 feet

150 feet plug

12 sacks of Class G Cement

Plug 1

6224 feet - 6168 feet

56 feet plug

6 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

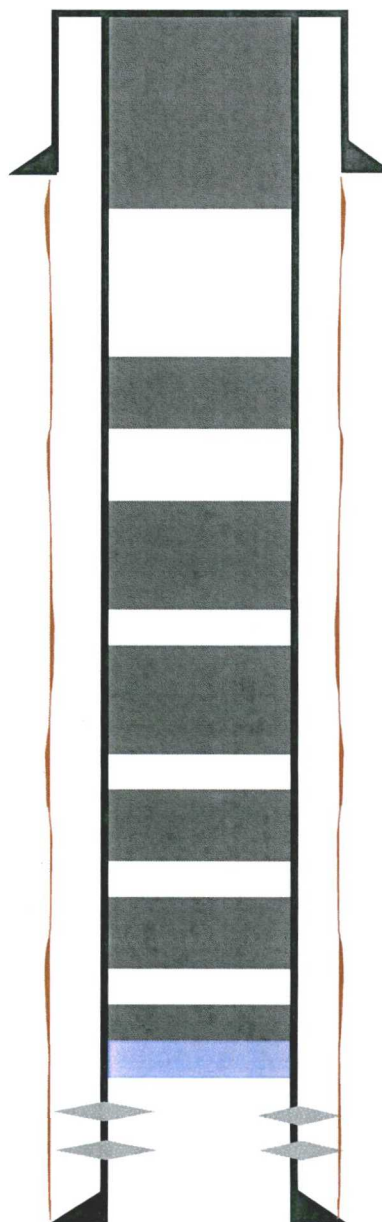
Greenhorn - 6150 feet

Dakota - 6868 feet

Retainer @ 6224 feet

Production Casing

4.5" 9.5# @ 6493 ft



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
6251 COLLEGE BLVD.
FARMINGTON, NEW MEXICO 87402

Attachment to notice of
Intention to Abandon:

Re: Permanent Abandonment
Well: Cornell D 1

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."

2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 564-7750.

3. The following modifications to your plugging program are to be made:

- a) Set a Plug #2 (5468 – 5368) ft. to cover the Gallup top. BLM picks top of Gallup at 5418 ft.
- b) Set a Plug #4 (3443 – 2772) ft. to cover the Mesaverde and Chacra tops. BLM picks top of Mesaverde at 3393 ft. BLM picks top of Chacra at 2822 ft.
- c) Set a Plug #5 (1830 – 1371) ft. to cover the PC and Fruitland tops. BLM picks top of Pictured Cliffs at 1780 ft. BLM picks top of Fruitland at 1421 ft.
- d) Set a Plug #6 (634 – 380) ft. to cover the Kirtland and Ojo Alamo tops. BLM picks top of Kirtland at 584 ft. BLM picks top of Ojo Alamo at 430 ft.

Operator will run CBL from CR to surface to identify TOC. Submit the electronic copy of the log for verification to the following addresses: jwsavage@blm.gov Brandon.Powell@state.nm.us

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.