

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.  
NMSF065557A

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.  
SW97

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
CORNELL E 1

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

9. API Well No.  
30-045-08444-00-S1

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

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 SWSW 0790FSL 0900FWL  
36.735352 N Lat, 108.055862 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

K2

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 recompleat 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 and wellbore diagram.

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

Notify NMOCD 24 hrs  
prior to beginning  
operations

**SEE ATTACHED FOR  
CONDITIONS OF APPROVAL**

**BLM'S APPROVAL OR ACCEPTANCE OF THIS  
ACTION DOES NOT RELIEVE THE LESSEE AND  
OPERATOR FROM OBTAINING ANY OTHER  
AUTHORIZATION REQUIRED FOR OPERATIONS  
ON FEDERAL AND INDIAN LANDS**

OIL CONS. DIV DIST. 3  
MAY 22 2017

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

**Electronic Submission #375875 verified by the BLM Well Information System  
For BP AMERICA PRODUCTION COMPANY, sent to the Farmington  
Committed to AFMSS for processing by ABDELGADIR ELMADANI on 05/17/2017 (17AE0211SE)**

Name (Printed/Typed) TOYA COLVIN	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 05/11/2017

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

Approved By <u>ABDELGADIR ELMANDANI</u>	Title <u>PETROLEUM ENGINEER</u>	Date <u>05/17/2017</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 \*\***

## PLUG AND ABANDONMENT PROCEDURE

1/31/17

### Cornell E 001

Basin Dakota

790' FSL and 900' FWL, Section 12M, T29N, R12W

San Juan County, New Mexico / API 30-045-08444 Lat: \_\_\_\_\_ / Lat: \_\_\_\_\_

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 B, mixed at 15.6 ppg with a 1.18 cf/sx yield.

1. This project will use an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up.
2. 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.
3. Rods: Yes \_\_\_\_\_, No , Unknown \_\_\_\_\_.  
Tubing: Yes , No \_\_\_\_\_, Unknown \_\_\_\_\_, Size 2-3/8", Length 6294'.  
Packer: Yes \_\_\_\_\_, No , Unknown \_\_\_\_\_, Type \_\_\_\_\_.

If this well has rods or a packer, then modify the work sequence in step #2 as appropriate

**BLM requires a CBL log to be run on all wells where the cement did not circulate to surface or where 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, 6288' – 6160')**: Round trip gauge ring or casing scraper to 6288', or as deep as possible. RIH and set 4.5" cement retainer at 6288'. Pressure test tubing to 1000 PSI. Load casing with water and circulate well clean. Pressure test casing to 800#. **If the casings do not test, then spot or tag subsequent plugs as appropriate.** Circulate well clean. Mix 14 sxs Class B cement inside casing from 6288' to isolate the Dakota interval. PUH.
5. **Plug #2 (Gallup top, 5534' – 5434')**: Perforate squeeze holes at 5534'. Attempt to establish rate if the casing pressure tested. TIH and set CR at 5484'. Mix and pump 51 sxs Class B cement, squeeze 39 sxs outside 4.5" casing and leave 12 sxs inside casing to cover the Gallup top. TOH.
6. **Plug #3 (Mancos top, 4630' – 4530')**: Perforate squeeze holes at 4630'. Attempt to establish rate if the casing pressure tested. TIH and set CR at 4580'. Mix and pump 51 sxs Class B cement, squeeze 39 sxs outside 4.5" casing and leave 12 sxs inside casing to cover the Mancos top. TOH.

7. **Plug #4 (Mesaverde top, 3500' – 3400')**: Perforate squeeze holes at 3500'. Attempt to establish rate if the casing pressure tested. TIH and set CR at 3450'. Mix and pump 51 sxs Class B cement, squeeze 39 sxs outside 4.5" casing and leave 12 sxs inside casing to cover the Mesaverde top. TOH.
8. **Plug #5 (Chacra top, 2946' – 2846')**: Perforate squeeze holes at 2946'. Attempt to establish rate if the casing pressure tested. TIH and set CR at 2896'. Mix and pump 51 sxs Class B cement, squeeze 39 sxs outside 4.5" casing and leave 12 sxs inside casing to cover the Chacra top. TOH.
9. **Plug #6 (Pictured Cliffs and Fruitland tops, 1915' – 1305')**: Mix and pump 51 sxs Class B cement and spot a balanced plug inside casing to cover the Pictured Cliffs and Fruitland tops. TOH and LD tubing.
10. **Plug #7 (Kirtland and Ojo Alamo tops, 750' – 535')**: Perforate squeeze holes at 750'. Attempt to establish rate if the casing pressure tested. TIH and set CR at 700'. Mix and pump 106 sxs Class B cement, squeeze 84 sxs outside 4.5" casing and leave 21 sxs inside casing to cover the Kirtland and Ojo Alamo tops. TOH.
11. **Plug #8 (8.625" casing shoe, 301' – 0')**: Perforate 3 squeeze holes at 301'. Attempt to establish a rate . If able to establish circulation then mix and pump 100 sxs Class B cement to surface. Circulate good cement to surface. SI 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

# Cornell E 001 Proposed P&A

Basin Dakota

790' FSL & 900' FWL, Section 12M, T-29-N, R-12-W, San Juan County, NM

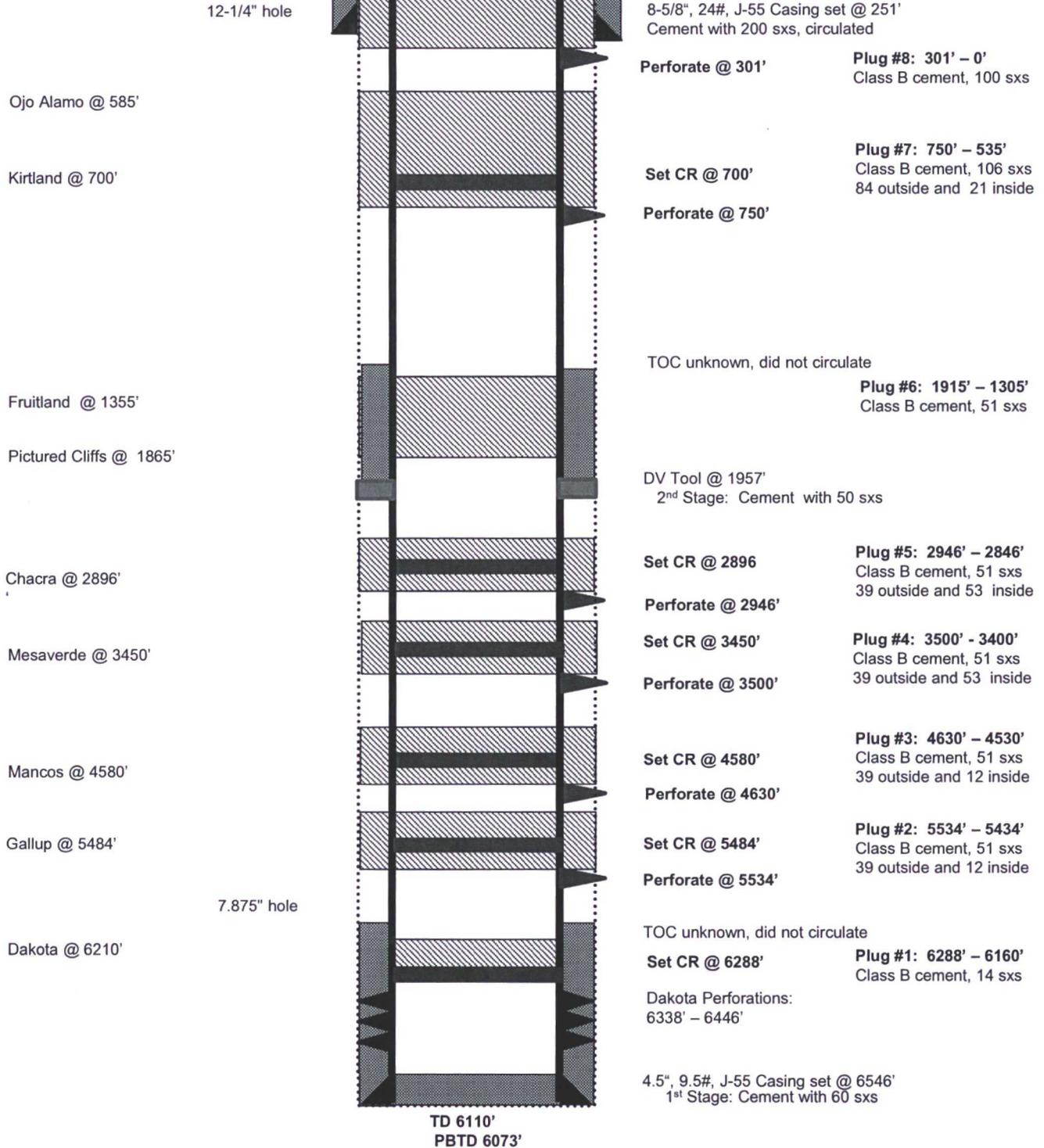
Today's Date: 1/31/17

Long: \_\_\_\_\_ / Lat: \_\_\_\_\_ / API 30-045-08444

Spud: 9/28/62

Comp: 10/11/62

Elevation: 5689' GI  
5701' KB



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 E 001.

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.
  - a) Set Plug #7 (750'-470') ft inside/outside. to cover the Kirtland and Ojo Alamo top. BLM picks top of Ojo Alamo at 520 ft.
  - b) Plug number 2, 3,4,5,7 and 8 all inside outside.

Operator will run a CBL to verify cement top. Submit the electronic copy of the log for verification to the following addresses: [aelmadani@blm.gov](mailto:aelmadani@blm.gov) [Brandon.Powell@state.nm.us](mailto: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.