

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

7. If Unit or CA/Agreement, Name and/or No.  
SW97

8. Well Name and No.  
CORNELL E 1

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

10. Field and Pool or Exploratory Area  
BASIN DAKOTA

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

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

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 12 T29N R12W SWSW 0790FSL 0900FWL 36.735352 N Lat, 108.055862 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
	<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 June 2017.

**OIL CONS. DIV DIST. 3**

**JUL 20 2017**

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

**Electronic Submission #381260 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 07/18/2017 (17AE0211SE)**

Name (Printed/Typed) <b>TOYA COLVIN</b>	Title <b>REGULATORY ANALYST</b>
Signature (Electronic Submission)	Date <b>07/13/2017</b>

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

Approved By <b>ACCEPTED</b>	Title <b>ABDELGADIR ELMANDANI PETROLEUM ENGINEER</b>	Date <b>07/18/2017</b>
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 <b>Farmington</b>

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 \*\***

## Well Plugging Report

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### Work Detail

06/15/2017

Travel to location.  
Service and start equipment. Held JESA.  
LOTO with Ernie Cardin, BP representative. Spot in and RU rig. Check pressures: SITP 40#, SICP #160, SIBHP 25#.  
Lay out relief lines to pit and blow well down. Note: casing and tubing blew down immediately; then tubing starting flowing back heavy drilling mud. Pump 30 bbls down tubing and casing started flowing after pumping 1 bbl.  
ND WH. NU BOP and tongs.  
PU on tubing and TOH with total 204 joints 2-3/8" EUE tubing, 2 - 6' and 1-8' subs. Total tally 6356'. Note: first 30 stands flowing water; used witches hat to catch the water.  
PU 4.5" string mill and TIH to 4000'. SI well. SDFD. Secure location.  
Travel back to yard.

06/16/2017

Travel to location.  
Service and start equipment. Held JESA.  
Check well pressures: SITP and SICP 160#, SIBHP 15#. Well blew down immediately. Function test pipe rams. Finish TIH w/mill to 6300'. TOH and LD mill.  
PU 4.5 WD cement retainer and TIH; set at 6288'. P/T tbg to 1500#, held OK.  
Sting out of CR. Circulate casing clean with 120 bbls of water. Note: circulated drilling mud in returns. Attempt to P/T 4.5" csg; bled down from 750-500 in 2 minutes. Establish injection rate 1.5 bpm at 750#.  
**Plug #1** with CR at 6288' spot 14 sxs (16.52 cf) Class B cement 15.6# from 6288 to 6160 to cover the Dakota perforations and top. TOH with tubing and LD setting tool.  
Held JESA. Run CBL from 6050 to surface; send to all appropriate personnel.

06/21/2017

Rode rig and spot equipment to location.  
JSEA. RU rig and equipment.  
Check well pressures: SITP 460#, SICP 420# SIBHP 15#. Lay out relief lines to pit and blow down well in 1 minute. NU BOP and floor. TIH with tubing and **tag Plug #1 low** at 6253' (Note: CR set at 6288').  
Pump 20 bbls ahead. **Pump Plug #1a** with 14 sxs 15.6# Class B cement (16.52 cf) from 6253-6153; estimated TOC 6072'.  
TOH with tubing. SI well and WOC overnight.  
Travel back to yard.

06/22/2017

Travel to location  
Service and start rig, JSEA

Check well pressures: SITP 500#,SICP 400# SIBHP 15#. Blow down in about 30 seconds. TIH and **tag plug #1a low** at 6253'. **Plug #1b** with 32 sxs (37.76 cf) with 2 % calc. 15. 6# Class B cement from 6253 to 5839'.  
TOH with tubing. SIW and WOC.  
TIH and **tag plug #1b at 5990'**. Attempt to PSI test casing, same bleed off. TOH with tubing.  
JSEA. Perforate 3 3-1/" HSC squeeze holes at 5534'.  
PU WD 4.5" cement retainer; TIH and set CR at 5484'. Sting out. Load csg with 1 bbl. Attempt to PSI test casing; established injection rate 1.5 bpm at 750 psi.  
Sting in and establish injection rate 1.5 bpm at 1000 psi.  
**Plug #2** (Gallup) with 51 sxs (60.18 cf) 15.6# Class B cement from 5534' – 5362'; squeeze 39 sxs outside, 4 sxs below CR and 8 sxs above . TOH and WOC overnight.  
Travel back to yard.

06/23/2017

Travel to loc.  
Service and start equipment. JSEA.  
Check well pressures: SICP 430#,SITP 480#,SIBHP 15#. Blow down well to pit. TIH with tbg and **tag TOC at 5362'**. LD tubing. Attempt to pressure test csg, test failed. TOH.  
JSEA. Perforate 3 3-1/8" squeezes holes at 4630'.  
PU 4.5" WD cement retainer and TIH; set CR at 4577'. Sting out and attempt to pressure test casing; same leak. Sting in and establish rate 1.5 BPM at 750#.  
**Plug #3** (Mancos) with 51 sxs (60.18 cf) with 2% CaCl2 15.6# Class B cement from 4630'-4473'; squeeze 39 sxs outside,4 sxs below CR,8 sxs on top. PUH. SI well. WOC (cut and slip tubing line).  
TIH and **tag Plug #3 at 4473'**. Attempt to pressure test casing, same leak. PUH.  
Perforate 3 3-1/8" HSC squeeze holes at 3500'.  
PU WD 4.5" cement retainer and TIH; set CR at 3457'. Attempt to pressure test csg above CR; same leak. Sting in and establish rate 1.5 BPM at 750#. **Plug #4** (Mesaverde) with 51 sxs (60.18 cf) 15.6# Class B cement 3500'-3336'. TOH. SIW and WOC over weekend. Secure well.  
Travel back to yard

06/26/2017

Travel to location.  
Check well pressures: Tbg and Csg 0# and bradenhead 15#. TIH and **tag cement at 3336'**. Pressure test 4.5 csg to 800#, held OK. TOH and LD setting tool.  
JSEA. Perforate 3 3-1/8" HSC squeeze holes at 2946'. Establish injection rate 1.5 BPM at 900#  
PU 4.5" WD CR and TIH; set CR at 2895'. **Plug #5** (Chacra) mix 51 sxs (60.18 cf) 15.6# Class B cement from 2946' to 2846'; squeeze 39 sxs outside, 4 sxs below CR and 8 sxs on top.  
LD tbg to 1930'. **Plug #6** (PC) spot 39 sxs (46.02 cf) 15. 6# Class B cement from 1930' to 1427'. LD tbg to 1427'and reverse circulate csg clean w/15 bbls.  
POOH w/22 stands and LD setting tool  
JSEA. Perf 3 3-1/8" at 1405'. Establish injection rate 2BPM at 750#.  
PU WD CR and TIH; set at 1365'. **Plug #6A** (Fruitland) mix 51 sxs (60.18 cf) 15.6# Class B cement from 1405'-1305'; squeeze 39 sxs, outside,4 sxs below CR,8 sxs on top.  
TOH and LD setting tool. JSEA. Perforate 3 3-1/8" HSC squeeze holes at 750'. Establish rate 2 BPM at 500#.  
PU 4.5" WD CR and TIH; set at 700'. **Plug #7** (Kirtland and Ojo Alamo tops) mix 134 sxs (158.12 cf) 15.6# Class B cement from 750' to 470'; Squeeze 108 sxs outside,4 sxs below CR,22 sxs on top.  
TOH and LD setting tool.  
JSEA. Perforate 3 3-1/8" HSC squeeze holes at 301'. Establish circulation and

circulate clean with 25 bbls.

ND BOP. NU wellhead. **Plug #8** (Surface) mix 105 sxs (123.9 cf) 15.6# Class B cement from 301 to surface; circulate good cement out bradenhead. SI BH and squeeze 10 sxs. SI well with 500# pressure. Wash up equipment and WOC overnight.

Travel back to yard.

06/27/2017

Service and start equipment. JSEA. Open up well; no pressures. RD Floor. ND wellhead and tag TOC in 4.5 csg at 9'. Dig out wellhead.

JSEA. Monitor wellhead. Write Hot Work Permit. Cut off wellhead with air saw. Tag TOC in 4.5 at 6' and in annulus at 5'. No top-off required per John Hagstrom, BLM representative on location. Weld on plate and P&A Marker. Rig down Pump Truck and Rig. Clean up location. MOL.

Darrell Priddy and John Hagstrom, BLM representatives, were on location and approved all procedure changes.

# Cornell E 001 Proposed P&A

Basin Dakota

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

API 30-045-08444

Today's Date: 1/31/17

Spud: 9/28/62

Comp: 10/11/62

Elevation: 5689' GI  
5701' KB

12-1/4" hole

Ojo Alamo @ 585'

Kirtland @ 700'

Fruitland @ 1355'

Pictured Cliffs @ 1865'

Chacra @ 2896'

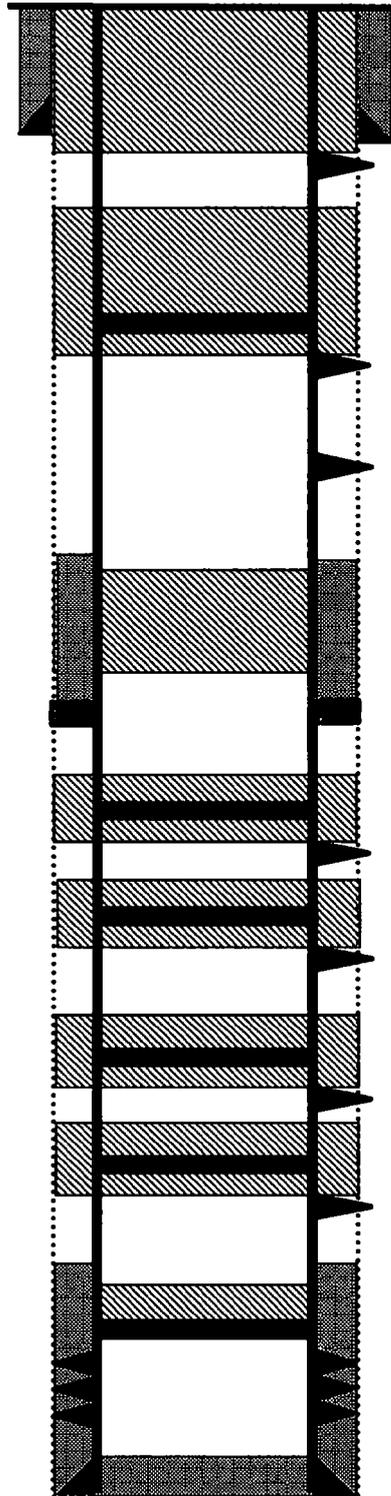
Mesaverde @ 3450'

Mancos @ 4580'

Gallup @ 5484'

7.875" hole

Dakota @ 6210'



8-5/8", 24#, J-55 Casing set @ 251'  
Cement with 200 sxs, circulated

Perforate @ 301'

**Plug #8: 301' - 0'**  
Class B cement, 105 sxs, 123.9 cf, 15.6#. Squeeze 10 sxs. Tag 6' inside and 5' in annulus.

Set CR @ 700'

Perforate @ 750'

**Plug #7: 750' - 470'**  
Class B cement, 134 sxs, 158.12 cf, 15.6#. 108 sxs outside, 4 sxs below, 22 sxs above

Set CR @ 1365'

Perforate @ 1405'

**Plug #6a: 1405' - 1305'**  
Class B cement, 51 sxs, 60.18 cf, 15.6#. 39 sxs outside, 4 sxs below, 8 sxs above

TOC unknown, did not circulate

**Plug #6: 1930' - 1427'**  
Class B cement, 39 sxs, 46.02 cf

DV Tool @ 1957'

2<sup>nd</sup> Stage: Cement with 50 sxs

Set CR @ 2895'

Perforate @ 2946'

**Plug #5: 2946' - 2846'**  
Class B cement, 51 sxs, 60.18 cf, 15.6#. 39 sxs outside, 4 sxs below, 8 sxs above.

Set CR @ 3457'

Perforate @ 3500'

**Plug #4: 3500' - 3336'**  
Class B cement, 51 sxs, 60.18 cf, 15.6#. 39 sxs outside, 4 sxs below, 8 sxs above. Tag 3336'.

Set CR @ 4577'

Perforate @ 4630'

**Plug #3: 4630' - 4473'**  
Class B cement, 51 sxs, 60.18 cf, 15.6#. 39 sxs outside, 4 sxs below, 8 sxs above. Tag 4473'

Set CR @ 5484'

Perforate @ 5534'

**Plug #2: 5534' - 5362'**  
Class B cement, 51 sxs, 60.18 cf, 15.6#. 39 sxs outside, 4 sxs below, 8 sxs above. Tag 5362'

TOC unknown, did not circulate

Set CR @ 6288'

**Plug #1b: 6253' - 5990'**  
Class B cement, 32 sxs, 37.76 cf, 15.6#. Tag TOC at 5990'

Dakota Perforations:  
6338' - 6446'

**Plug #1a: 6253' - 6253'**  
Class B cement, 14 sxs, 16.52 cf, 15.6#

**Plug #1: 6288' - 6253'**  
Class B cement, 14 sxs, 16.52 cf, 15.6#

TD 6110'  
PBTD 6073'

4.5", 9.5#, J-55 Casing set @ 6546'  
1<sup>st</sup> Stage: Cement with 60 sxs