

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.*

<b>SUBMIT IN TRIPLICATE - Other instructions on page 2</b>		5. Lease Serial No. NMSF077967
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name EASTERN NAVAJO
2. Name of Operator BP AMERICA PRODUCTION CO Contact: TOYA COLVIN E-Mail: Toya.Colvin@bp.com		7. If Unit or CA/Agreement, Name and/or No. 892000844F
3a. Address 200 ENERGY COURT FARMINGTON, NM 87401	3b. Phone No. (include area code) Ph: 281.366.7148	8. Well Name and No. GALLEGOS CANYON UNIT 157
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 35 T28N R13W NWNE 0975FNL 2510FEL 36.623291 N Lat, 108.187531 W Lon		9. API Well No. 30-045-07067-00-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 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

**NMOCD**  
**MAR 26 2018**  
**DISTRICT III**

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #397498 verified by the BLM Well Information System For BP AMERICA PRODUCTION CO, sent to the Farmington Committed to AFMSS for processing by JACK SAVAGE on 03/21/2018 (18JWS0078SE)</b>	
Name (Printed/Typed) TOYA COLVIN	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 12/11/2017

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

Approved By <u>JACK SAVAGE</u>	Title <u>PETROLEUM ENGINEER</u>	Date <u>03/21/2018</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 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 \*\***

**NMOCD**

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## **BP America**

### **Plug And Abandonment Procedure**

#### **GCU 157**

**975' FNL & 2510' FEL, Section 35, T28N, R13W**

**San Juan County, NM / API 30-045-07067**

- 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. ND wellhead and NU 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 6248'.**
- 6. P/U 4 ½" CR, TIH and set CR at +/- 6198'. 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. 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**

**8. Plug 1 (Dakota Perforations and Dakota Formation Top 6198'-6148', 6 Sacks Class B Cement)**

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

**9. Plug 2 (Gallup Formation Top 5336'-5186', 12 Sacks Class B Cement)**

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

**10. Plug 3 (Mancos Formation Top 4437'-4287', 12 Sacks Class B Cement)**

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

**11. Plug 4 (Mesa Verde and Chacra Formation Tops 2585'-2300', 25 Sacks Class B Cement)**

Mix 25 sx Class B cement and spot a balanced plug inside casing to cover Mesa Verde and Chacra formation tops.

**12. Plug 5 (Pictured Cliffs Formation Top 1670'-1520', 12 Sacks Class B Cement)**

Mix 12 sx Class B cement and spot a balanced plug inside casing to cover Pictured Cliffs formation top.

**13. Plug 6 (Surface Shoe and Surface 357'-surface, 125 Sacks Class B 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 125 sx cement and spot a balanced plug from 357' 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 357' and the annulus from the squeeze holes to surface. Shut in well and WOC.

14. 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

Gallegos Canyon Unit 157

API #: 3004507067

San Juan, New Mexico

## Surface Casing

8.625" 24# @ 357ft

### Plug 6

357 feet - Surface  
357 feet plug  
125 sacks of Class B Cement

### Plug 5

1670 feet - 1520 feet  
150 feet plug  
12 sacks of Class B Cement

### Plug 4

2585 feet - 2300 feet  
285 feet plug  
25 sacks of Class B Cement

### Plug 3

4437 feet - 4287 feet  
150 feet plug  
12 sacks of Class B Cement

### Plug 2

5336 feet - 5186 feet  
150 feet plug  
12 sacks of Class B Cement

### Plug 1

6198 feet - 6148 feet  
50 feet plug  
6 sacks of Class B Cement

## Perforations

6258 feet - 6266 feet  
6248 feet - 6254 feet

6323 feet - 6330 feet

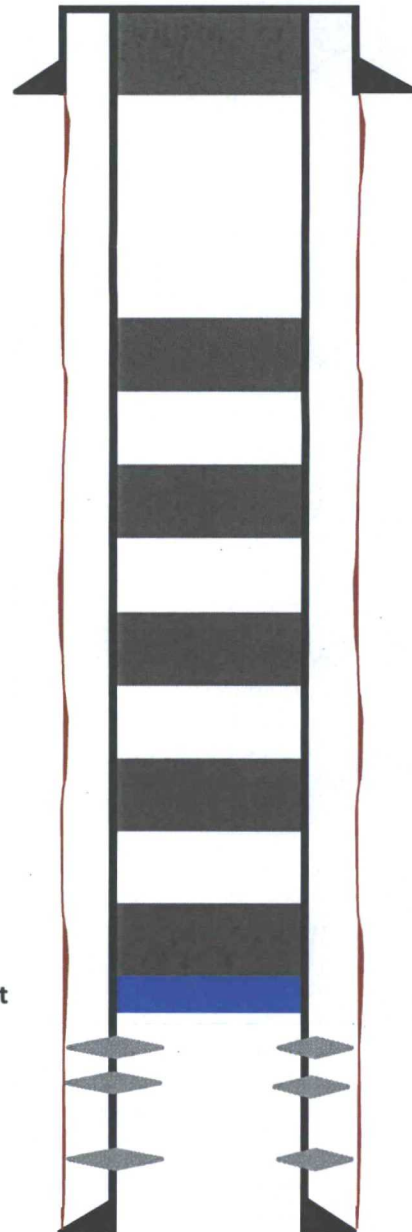
## Formation

Pictured Cliffs - 1620 ft  
Lewis Shale - 1825 ft  
MesaVerde - 2535 ft  
Mancos - 4387 ft  
Gallup - 5286 ft  
Lower Gallup - 5796 ft  
Greenhorn - 6126 ft  
Graneros Shale - 6184 ft  
Graneros Shale - 6248 ft  
Dakota - 6306 ft

Retainer @ 6198 feet

## Production Casing

4.5" 10.5# @ 6435ft





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: Gallegos Canyon Unit 157

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 Plug #3 (4462-4362) ft. to cover the Mancos top. BLM picks top of Mancos at 4412 ft.
- b) Set Plug #4 (2585-2085) ft. to cover the Mesaverde and Chacra tops. BLM picks top of Mesaverde at 2534 ft. BLM picks top of Chacra at 2135 ft.
- c) Set Plug #5 (1679-1579) ft. to cover the Pictured Cliffs top. BLM picks top of Pictured Cliffs at 1629 ft.
- d) Add Plug (1317-1217) ft. to cover the Fruitland top. BLM picks top of Fruitland at 1267 ft. Adjust cement volume accordingly.
- e) Set Plug #6 (451 - surface) ft. to cover the surface shoe and the Ojo Alamo interval. BLM picks top of Kirtland at 401 ft. BLM picks top of Ojo Alamo at 281 ft.

Operator must run a CBL to verify cement top. Submit the electronic copy of the log for verification to the following addresses: [jwsavage@blm.gov](mailto:jwsavage@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.