

State of New Mexico  
Energy, Minerals and Natural Resources Department

**Susana Martinez**  
Governor

**Ken McQueen**  
Cabinet Secretary

**Matthias Sayer**  
Deputy Cabinet Secretary

**Heather Riley**, Division Director  
Oil Conservation Division



New Mexico Oil Conservation Division approval and conditions listed below are made in accordance with OCD Rule 19.15.7.11 and are in addition to the actions approved by BLM on the following 3160-4 or 3160-5 form.

Operator Signature Date: 7/20/2015

Well information:

API WELL #	Well Name	Well #	Operator Name	Type	Stat	County	Surf_Owner	UL	Sec	Twp	N/S	Rng	W/E
30-045-20656-00-00	GALLEGOS CANYON UNIT	264	BP AMERICA PRODUCTION COMPANY	G	A	San Juan	F	E	17	28	N	12	W

Application Type:

P&A     Drilling/Casing Change     Location Change

Recomplete/DHC (For hydraulic fracturing operations review EPA Underground injection control Guidance #84)

Other:

Conditions of Approval:

- Notify NMOCD 24hrs prior to beginning operations.
- Change Plug #5 to 2478'-2378' to cover the Chacra top.

NMOCD Approved by Signature

2/16/18  
Date

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.  
NMSF078106

6. If Indian, Allottee or Tribe Name  
EASTERN NAVAJO

7. If Unit or CA/Agreement, Name and/or No.  
892000844F

8. Well Name and No.  
GALLEGOS CANYON UNIT 264

9. API Well No.  
30-045-20656-00-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 CO  
Contact: TOYA COLVIN  
E-Mail: Toya.Colvin@bp.com

3a. Address  
200 ENERGY COURT  
FARMINGTON, NM 87401  
3b. Phone No. (include area code)  
Ph: 281.366.7148

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 17 T28N R12W SWNW 1630FNL 1150FWL  
36.664950 N Lat, 108.139530 W Lon

**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 recomplate 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 recomplate 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 procedure and wellbore diagram.

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

OIL CONS. DIV DIST. 3

FEB 01 2018

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

**Electronic Submission #398280 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 01/31/2018 (18JWS0065SE)**

Name (Printed/Typed) TOYA COLVIN

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 12/18/2017

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

Approved By **ACCEPTED** Title JACK SAVAGE PETROLEUM ENGINEER Date 01/31/2018

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 \*\***

# **BP America**

## **Plug And Abandonment Procedure**

**GCU 264**

**1630' FNL & 1150' FWL, Section 17, T28N, R12W**

**San Juan County, NM / API 30-045-20656**

- 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 6018'.**
- 6. P/U 4 ½" CR, TIH and set CR at +/- 5968'. 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 5968'-5918', 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 5200'-5050', 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 4080'-3930', 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 Formation Top 3100'-2950', 12 Sacks Class B Cement)**

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

**12. Plug 5 (Chacra Formation Top 1895'-1745', 12 Sacks Class B Cement)**

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

**13. Plug 6 (Pictured Cliffs Formation Top 1530'-1380', 12 Sacks Class B Cement)**

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

**14. Plug 7 (Surface Shoe and Surface 351'-surface, 120 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 120 sx cement and spot a balanced plug from 351' 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 351' and the annulus from the squeeze holes to surface. Shut in well and WOC.

15. 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 264

API #: 3004520656

San Juan, New Mexico

## Plug 7

351 feet - Surface

351 feet plug

120 sacks of Class B Cement

## Plug 6

1530 feet - 1380 feet

150 feet plug

12 sacks of Class B Cement

## Plug 5

1895 feet - 1745 feet

150 feet plug

12 sacks of Class B Cement

## Plug 4

3100 feet - 2950 feet

150 feet plug

12 sacks of Class B Cement

## Plug 3

4080 feet - 3930 feet

150 feet plug

12 sacks of Class B Cement

## Plug 2

5200 feet - 5050 feet

150 feet plug

12 sacks of Class B Cement

## Plug 1

5968 feet - 5918 feet

50 feet plug

6 sacks of Class B Cement

## Perforations

6018 feet - 6038 feet

6096 feet - 6116 feet

## Surface Casing

8.625" 24# @ 351 ft

## Formation

Pictured Cliffs - 1480 feet

MesaVerde - 3050 feet

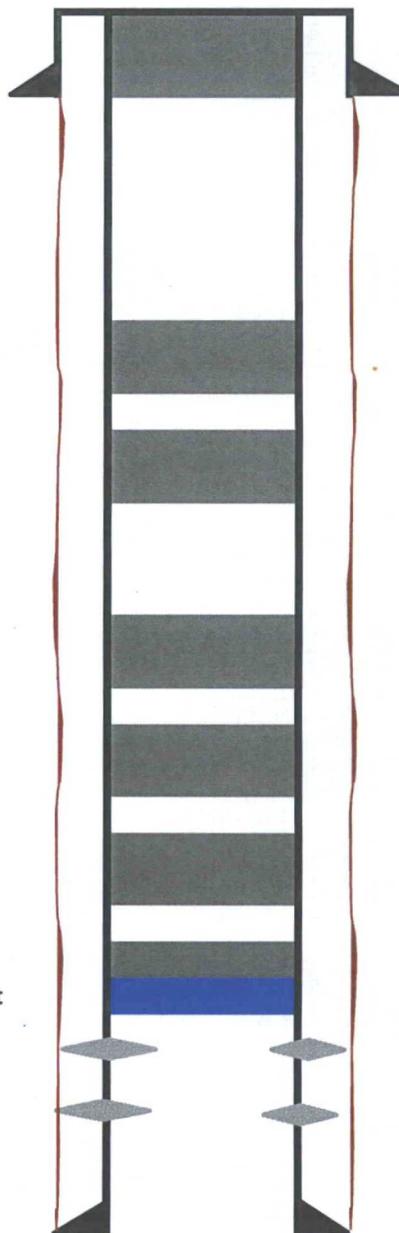
Gallup - 5150 feet

Dakota - 6094 feet

Retainer @ 5968 feet

## Production Casing

4.5" 10.5# @ 6159 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: Gallegos Canyon Unit 264

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 (4322-4222) ft. to cover the Mancos top. BLM picks top of Mancos at 4272 ft.
- b) Add Plug (1214-1114) ft. to cover the Fruitland top. BLM picks top of Fruitland at 1164 ft. Adjust cement volume accordingly.

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.