

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

SUBMIT IN TRIPLICATE - Other instructions on page 2

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

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
GALLEGOS CANYON UNIT 226E

2. Name of Operator **BP AMERICA PRODUCTION COMPANY** Contact: PATTI CAMPBELL
Email: patti.campbell@bpx.com

9. API Well No.
30-045-24948-00-S1

3a. Address
1199 MAIN AVE SUITE 101
DURANGO, CO 81301

3b. Phone No. (include area code)
Ph: 970-712-5997

10. Field and Pool or Exploratory Area
BASIN DAKOTA

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 18 T28N R12W NENW 0980FNL 1400FWL
36.666720 N Lat, 108.156170 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

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
BP	<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.

The subject well was plugged and abandoned on 3/30/2020 per the attached Final P&A report and Plugged Well Diagram. A CBL is attached.

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

**Electronic Submission #509331 verified by the BLM Well Information System
For BP AMERICA PRODUCTION COMPANY, sent to the Farmington
Committed to AFMSS for processing by JOHN HOFFMAN on 04/02/2020 (20JH0002SE)**

Name (Printed/Typed) PATTI CAMPBELL	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 04/01/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ACCEPTED	JOHN HOFFMAN Title PETROLEUM ENGINEER	Date 04/02/2020
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 ****

AV

BP America

Plug And Abandonment End Of Well Report

GCU 226E

980' FNL & 1400' FWL, Section 18, T28N, R12W

San Juan County, NM / API 30-045-24948

Work Summary:

- 3/17/20** Made BLM, and NMOCD P&A operations notifications at 9:00 AM MST.
- 3/18/20** MOL and R/U P&A unit. Checked well pressures: Tubing: 75 psi, Casing: 75 psi, Bradenhead: 100 psi.
- 3/23/20** Checked well pressures: Tubing: 75 psi, Casing: 75 psi, Bradenhead: 100 psi. Bled down well. Pumped 30 bbls of fresh water down tubing to kill well. N/D wellhead, N/U BOP and performed 21-day BOP test. Attempted to pull hangar but tubing was stuck. Continued to work stuck tubing. R/U wire line services. RIH and found free point in tubing string at 3758'. RIH with chemical cutting tools and chemical cut tubing at 3720'. L/D tubing hangar and one joint of tubing. Shut-in well for the day. Mike Gilbreath was BLM inspector on location.
- 3/24/20** Checked well pressures: Tubing 0 psi, Casing: 0 psi, Bradenhead: 100 psi. Bled down well. TOO H with tubing, tallied pipe on the way out of the hole. P/U grapple, overshot, jars, and drill collars to fish out tubing. TIH and tagged fish top at 3722'. Dressed fish top and latched onto fish. Jarred on fish until it came free. TOO H with tubing and fish. L/D fishing tools, and fish. P/U casing scraper and round tripped above top Dakota perforation at 5950'. Shut-in well for the day. Mike Gilbreath was BLM inspector on location.
- 3/25/20** Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 11 psi. Bled down well. Performed 2-hour Bradenhead shut-in test. During the 2-hour interval the Bradenhead built up 11 psi. P/U CR,

TIH and set at 5901'. Loaded tubing with 24 bbls of fresh water and pressure tested to 1000 psi in which it failed to hold pressure. Dropped standing valve and found bad tubing joint. Replaced tubing joint and retested to 1000 psi in which it successfully held pressure. Pressure tested production casing to 800 psi in which it successfully held pressure. TOOH with tubing. R/U wireline services. Ran CBL from CR at 5901' to surface. CBL results were sent to BLM/NMOCD offices for review. Shut-in well for the day. Mike Gilbreath was BLM inspector on location.

3/26/20 Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 28 psi. Bled down well. TIH with cementing sub to top of CR at 5901'. Loaded wellbore with 68 bbls of fresh water and well went on vacuum. RIH with sand line to verify fluid level but never confirmed fluid level. POOH with sand line and it appeared fluid level was at approximately 3800'. R/U cementing services. Pumped plug #1 from 5901'-5651' to cover the Dakota perforations and formation top. WOC 4 hours. TIH and tagged plug #1 top at 5782'. PUH. Pressure tested casing to 800 psi in which it failed to hold pressure. R/U cementing services. Pumped plug #2 from 5100'-4900' to cover Gallup formation top. WOC overnight. PUH. Shut-in well for the day. Bradenhead was left open to vent overnight. Mike Gilbreath was BLM inspector on location.

3/27/20 Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 2 psi. Bled down well. TIH and tagged plug #2 top at 4892'. PUH. Pressure tested casing to 800 psi in which it successfully held pressure. R/U cementing services. Pumped plug #3 from 4178'-4028' to cover the Mancos formation top. PUH. Pumped plug #4 from 2990'-2670' to cover the Mesa Verde formation top. PUH. Pumped plug #5 from 2353'-2203' to cover the Chacra formation top. PUH. Pumped plug #6 from 1570'-1256' to cover the Pictured Cliffs formation top. PUH. Pumped plug #7 from 1079'-929' to cover the Fruitland formation top. TOOH with tubing. R/U wire line services. RIH and perforated squeeze holes at 550'. Attempted to establish injection rate into perforations at 550' but was unsuccessful. Loaded Bradenhead with 4 bbls of fresh water and pressure tested to 300 psi in which it successfully held pressure. R/U cementing services. Spotted a balanced plug from 601'-451' to cover the Kirtland formation top and surface casing shoe. L/D tubing. Shut-in blind rams and pressured up on wellbore to 500 psi to squeeze cement into perforations at 550'. Wellbore was left under pressure over the weekend. WOC over the weekend. Shut-in well for the day. Mike Gilbreath was BLM inspector on location.

3/30/20 Checked well pressures: Tubing: 0 psi, Casing: 0 psi, Bradenhead: 0 psi. Bled down well. Performed 2-hour Bradenhead shut-in test. During the 2-hour interval the Bradenhead did not build up any pressure. TIH and tagged surface plug at 429'. R/U cementing services. Pumped surface plug from tag depth at 429' to surface to cover the Kirtland and Ojo Alamo formation tops, and surface casing shoe. L/D tubing. N/D BOP and cut-off wellhead. Installed P&A marker per BLM/NMOCD standards. Ran weighted tally tape down both casings and tagged cement 87' down in surface casing and 25' down in 4.5" production casing. Ran ¾" poly pipe down both casings and topped-off well with 50 sx of cement. Photographed the P&A marker in place and recorded its location via GPS coordinates. R/D and MOL. Mike Gilbreath was BLM inspector on location.

Plug Summary:

Plug #1: (Dakota Perforations and Formation Top 5901'-5782', 20 Sacks Class G Cement)

Mixed 20 sx Class G cement and spotted a balanced plug to cover the Dakota perforations and formation top.

Plug #2: (Gallup Formation Top 5100'-4892', 16 Sacks Class G Cement)

Mixed 16 sx Class G cement and spotted a balanced plug to cover the Gallup formation top.

Plug #3: (Mancos Formation Top 4178'-4028', 12 Sacks Class G Cement)

Mixed 12 sx Class G cement and spotted a balanced plug to cover the Mancos formation top.

Plug #4: (Mesa Verde Formation Top 2990'-2670', 26 Sacks Class G Cement)

Mixed 26 sx Class G cement and spotted a balanced plug to cover the Mesa Verde formation top.

Plug #5: (Chacra Formation Top 2353'-2203', 12 Sacks Class G Cement)

Mixed 12 sx Class G cement and spotted a balanced plug to cover Chacra formation top.

Plug #6: (Pictured Cliffs Formation Top 1570'-1256', 25 Sacks Class G Cement)

Mixed 25 sx of Class G cement and spotted a balanced plug to cover the Pictured Cliffs formation top.

Plug #7: (Fruitland Formation Top 1079'-929', 12 Sacks Class G Cement)

Mixed 12 sx of Class G cement and spotted a balanced plug to cover the Fruitland formation top.

Plug #8: (Kirtland and Ojo Alamo Formation Tops and Surface Casing Shoe 601'-Surface, 112 Sacks Class G Cement, 50 Sacks for top-off)

RIH and perforated squeeze holes at 550'. Attempted to establish injection rate into perforations at 550' but was unsuccessful. Loaded Bradenhead with 4 bbls of fresh water and pressure tested to 300 psi in which it successfully held pressure. R/U cementing services. Spotted a balanced plug from 601'-451' to cover the Kirtland formation top and surface casing shoe. L/D tubing. Shut-in blind rams and pressured up on wellbore to 500 psi to squeeze cement into perforations at 550'. Wellbore was left under pressure over the weekend. WOC over the weekend. Performed 2-hour Bradenhead shut-in test. During the 2-hour interval the Bradenhead did not build up any pressure. TIH and tagged surface plug at 429'. R/U cementing services. Pumped surface plug from tag depth at 429' to surface to cover the Kirtland and Ojo Alamo formation tops, and surface casing shoe. L/D tubing. N/D BOP and cut-off wellhead. Installed P&A marker per BLM/NMOCD standards. Ran weighted tally tape down both casings and tagged cement 87' down in surface casing and 25' down in 4.5" production casing. Ran 3/4" poly pipe down both casings and topped-off well with 50 sx of cement. Photographed the P&A marker in place and recorded its location via GPS coordinates. R/D and MOL.

Wellbore Diagram

GCU 226E

API #: 3004524948

San Juan County, New Mexico

Plug 8
601 feet - Surface
601 feet plug
112 sacks of Class G Cement
50 sacks for top-off

Plug 7
1079 feet - 929 feet
150 feet plug
12 sacks of Class G Cement

Plug 6
1570 feet - 1256 feet
314 feet plug
25 sacks of Class G Cement

Plug 5
2353 feet - 2203 feet
150 feet plug
12 sacks of Class G Cement

Plug 4
2990 feet - 2670 feet
320 feet plug
26 sacks of Class G Cement

Plug 3
4178 feet - 4028 feet
150 feet plug
12 sacks of Class G Cement

Plug 2
5100 feet - 4892 feet
208 feet plug
16 sacks of Class G Cement

Plug 1
5901 feet - 5782 feet
119 feet plug
20 sacks of Class G Cement

Surface Casing
8.625" 24# @ 335 ft

Formation
Ojo Alamo - 395 feet
Kirtland - 500 feet
Fruitland - 1029 feet
Pictured Cliff - 1360 feet
Lewis Shale - 1450 feet
Mesa Verde - 2770 feet
Mancos - 4128 feet
Gallup - 5050 feet

Retainer @ 5901 feet

Production Casing
4.5" 10.5# @ 6149 ft

