

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.*

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

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other: COAL BED METHANE		5. Lease Serial No. NMSF078903A
2. Name of Operator BP AMERICA PRODUCTION CO		6. If Indian, Allottee or Tribe Name EASTERN NAVAJO
3a. Address 1199 MAIN AVE SUITE 101 DURANGO, CO 81301		7. If Unit or CA/Agreement, Name and/or No. 892000844L
3b. Phone No. (include area code) Ph: 970-712-5997		8. Well Name and No. GALLEGOS CANYON UNIT 378
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 34 T28N R12W NESW 2325FSL 1480FWL 36.617830 N Lat, 108.102450 W Lon		9. API Well No. 30-045-27554-00-S1
		10. Field and Pool or Exploratory Area BASIN FRUITLAND COAL
		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 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.

BP requests to P&A the subject well. Please see the attached P&A procedure, wellbore diagrams and BLM required reclamation plan documents.

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  
DEC 12 2018  
DISTRICT III

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

**Electronic Submission #444421 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 11/28/2018 (19JWS0086SE)**

Name (Printed/Typed) PATTI CAMPBELL	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 11/16/2018

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

Approved By JACK SAVAGE	Title PETROLEUM ENGINEER	Date 11/28/2018
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 \*\***

NMOCD  
AV MK

## PLUG AND ABANDONMENT PROCEDURE

February 8, 2018

### Gallegos Canyon Unit #378

Basin Fruitland Coal

2325' FSL and 1480' FWL, Section 34, T28N, R12W

San Juan County, New Mexico / API 30-045-27554

Lat: N \_\_\_\_\_ / Lat: W \_\_\_\_\_

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. 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.
2. Rods: Yes  , No  , Unknown  .  
Tubing: Yes  , No  , Unknown  , Size 2-3/8" , Length 1518' .  
Packer: Yes  , No  , Unknown  , Type \_\_\_\_\_.
3. **Plug #1 (Pictured Cliffs top, Fruitland perforations and top, 1454' – 1169')**: Round trip gauge ring or mill to 1454' or as deep as possible. RIH and set 4.5" CR at 1454'. Pressure test tubing to 1000#. Circulate well clean. Pressure test casing to 800#. If casing does not test then spot or tag subsequent plugs as appropriate. Mix 26 sxs Class G cement inside casing from 1454' to 1169' to isolate the Pictured Cliffs and Fruitland Coal intervals. PUH.
4. **Plug #2 (Kirtland, Ojo Alamo tops and 8-5/8" casing shoe, 443' – 0')**: Attempt to pressure test the bradenhead annulus to 300 PSI; note the volume to load. If the BH annulus holds pressure, then establish circulation out casing valve with water. Mix approximately 40 sxs Class G cement and spot a balanced plug from 443' to surface, circulate good cement out casing valve. TOH and LD tubing. Shut well in and WOC. If the BH annulus does not test, then perforate at the appropriate depth and attempt to circulate cement to surface filling the casing and annulus from the squeeze holes to surface. Shut in well and WOC.
5. 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

# Gallegos Canyon Unit #378

## Current

Basin Fruitland Coal

2325' FSL, 1480' FWL, Section 34, T-28-N, R-12-W

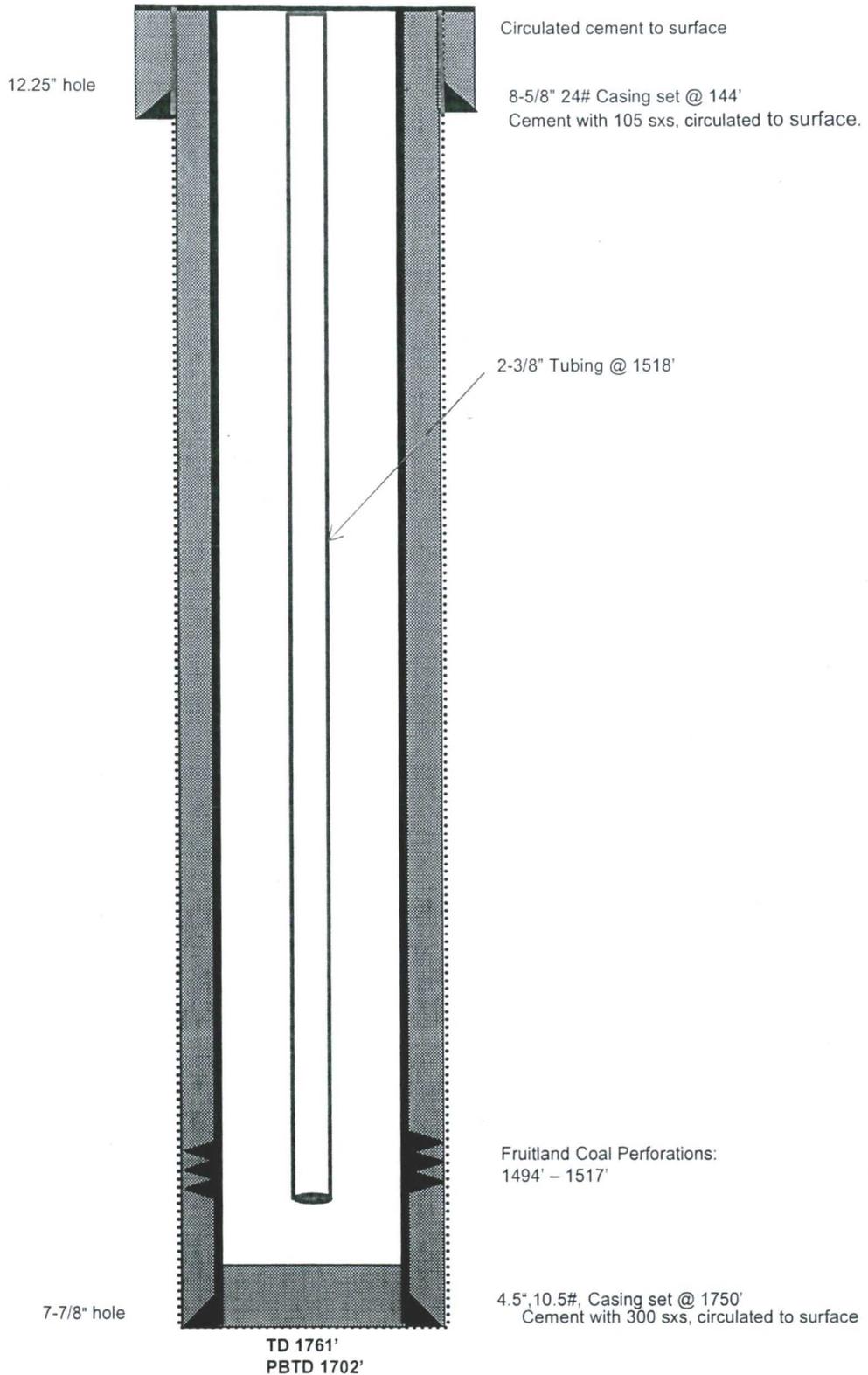
San Juan County, NM, API #30-045-27554

Today's Date: 2/8/18

Spud: 1/22/90

Completed: 6/30/90

Elevation: 5836' GL  
5844' KB



Ojo Alamo @ 233'

Kirtland @ 393'

Fruitland @ 1219'

Pictured Cliffs @ 1518'

# Gallegos Canyon Unit #378

## Proposed P&A

Basin Fruitland Coal

2325' FSL, 1480' FWL, Section 34, T-28-N, R-12-W

San Juan County, NM, API #30-045-27554

Today's Date: 2/8/18

Spud: 1/22/90

Completed: 6/30/90

Elevation: 5836' GL  
5844' KB

12.25" hole

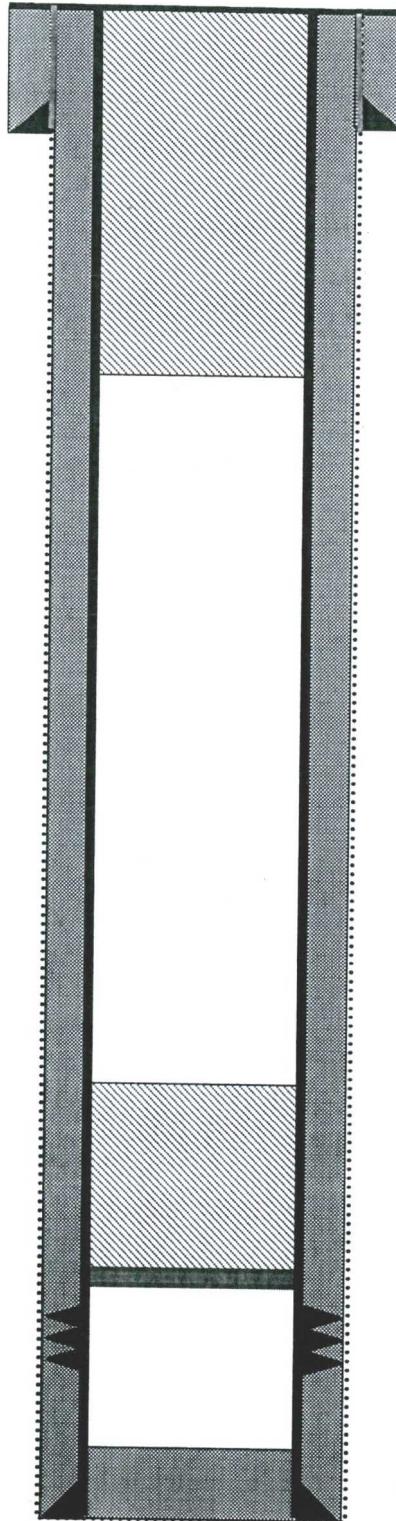
Ojo Alamo @ 233'

Kirtland @ 393'

Fruitland @ 1219'

Pictured Cliffs @ 1518'

7-7/8" hole



Circulated cement to surface

8-5/8" 24# Casing set @ 144'  
Cement with 105 sxs, circulated to surface.

**Plug #2: 443' - 0'**  
Class G cement, 40 sxs

**Plug #1: 1454' - 1169'**  
Class G cement, 26 sxs

**Set CR @ 1454'**

Fruitland Coal Perforations:  
1494' - 1517'

4.5", 10.5#, Casing set @ 1750'  
Cement with 300 sxs, circulated to surface

TD 1761'  
PBD 1702'

Well name and no: GALLEGOS CANYON UNIT 378  
API No. 30-045-27554

Plugging & Abandonment Surface Reclamation Plan

Operator:	BP America	Location:	Sec.34, Twn: 28N, Range 12W
Well name & No:	GALLEGOS CANYON UNIT 378	County, State:	San Juan County, NM
API No:	30-045-27554	Revision:	0
Surface:	BLM		
Date:	8/2/2018		

This document outlines the final reclamation plan for the GALLEGOS CANYON UNIT 378 well site, API 30-045-27554, based on the BLM/BP on-site inspection conducted on 8/2/2018 and in accordance with Onshore Order No. 1 and the FFO Bare Soil Reclamation Procedures C (dated 2/2013).

## PROPOSED VEGETATION RECLAMATION PLAN

### General Notes:

- BP will comply with the requirements in accordance with the approved Sundry Notice associated with this submittal.
- BP will notify the BLM forty-eight (48) hours prior to commencing earthwork.
- BP will notify the Authorized Officer forty-eight (48) hours prior to commencing with seed application.
- All underground production piping on the well site belonging to BP, associated with the GALLEGOS CANYON UNIT 378 well, will be removed or abandoned-in-place if at depths greater than 36 inches.
- BP power poles, rectifier and/or radio equipment will be removed from the site.  
NO POWER POLES IDENTIFIED DURING SITE VISIT
- All rig anchors found on location belonging to the GALLEGOS CANYON UNIT 378 will be removed.
- Disturbance will be limited to the well site and edge of well pad and access road boundaries.
- Disturbance will be limited to disturbance required to remove equipment and piping related to the GALLEGOS CANYON UNIT 378 well.
- All surface equipment associated with the GALLEGOS CANYON UNIT 378 identified and belonging to BP on location at time of P&A will be removed from location.
- BP has no authority to address other operator equipment or pipelines.
- BP will inform other Operators and Pipeline Companies of BLM/BIA equipment removal requests/requirements at the time of reclamation plan submission and when the GALLEGOS CANYON UNIT 378 P&A marker is set.
- All trash, if any, will be removed from location.
- The P&A marker will be permanent and comply with all NMOCD regulations.

### Well Site Reclamation:

(Note: some steps may occur in a different sequence than listed below)

For future reference, pre-construction conditions are documented in the attached Inspection Form and shown in the attached photos.

- Temporary and / or permanent storm water and erosion control BMP's will be employed at appropriate locations around the pad as dictated by local drainage patterns and expected areas of disturbance, slopes and across the access road. BMP's selection will be determined by local factors and will be a combination of sediment and erosion controls that are deemed effective and low maintenance. Straw

Well name and no: GALLEGOS CANYON UNIT 378  
API No. 30-045-27554

wattles, diversion ditches, mulch, soil blankets, and/or other suitable BMP's may be used in various combinations, as appropriate, during and after construction activities. Any temporary means to control storm water will be removed before final reclamation is achieved.

- Vegetation and approximately 6 inches of soil will be stripped and stockpiled to use after grading operations to facilitate re-vegetation.
- Gravel on the well site surface will be removed.
- If there is a BGT on location it will be properly closed per NMOCD Rules and the area will be reclaimed along-side the entire well pad.
- Fill material on the location will be used to reclaim the site to near original and natural topography as is practical. The pad will be ripped and will just be disc 4-6 inches to break any clods and prepare the location for seeding. This locations reclamation will include the road leading to the well site.
- Mature, healthy vegetation on the site perimeter will be left intact to the extent possible to achieve contour.
- Natural drainage patterns will be established when possible and practical. Additional means for ensuring proper drainage, such as water bars or diversion ditches, may be employed. The natural drainage patterns already in existence will be maintained and enhanced with the fill material on site.
- Disturbed areas will be prepared for seeding.
- A seed drill will be utilized to create a firm bed.
- After the site has been prepared, the location will be seeded using appropriate equipment.
- All disturbed areas will be seeded in accordance with the FFO Bare Soil Reclamation Procedure C.

#### Access Road Reclamation:

The road into this location will continue to serve other well and will be reconstructed through the reclamation area.

#### Re-vegetation:

The planned, initial seed mixture and application rates for the Pinyon / Juniper Community identified during the site visit will be as follows. The seed application rates may be adjusted according the based upon method of application.

Species of seed		Pound/Acre (PLS)
Fourwing Saltbush	<i>Atriplex canescens</i>	4.0
Antelope bitterbrush	<i>Purshia tridentate</i>	2.0
Indian Ricegrass	<i>Achnatherum hymendoides</i>	5.0
Western Wheatgrass	<i>Pascopyrum smithii</i>	2.0
Sand Dropseed	<i>Sporobolus cryptandrus</i>	1.0
Bottlebrush Squirreltail	<i>Elymus elymoides</i>	4.0
Rocky Mountain Bee Plant	<i>Cleome serrulata</i>	0.25
Mormon Tea	<i>Ephedra viridis</i>	2.0
Sage Brush		2.0
Rubber Rabbitbush	<i>Ericameria nauseosa</i>	2.0
Small burnet	<i>Sanguisorba minor</i>	2.0

Well name and no: GALLEGOS CANYON UNIT 378

API No. 30-045-27554

Seed mixtures will be certified weed-free and the seeding records (bag labels) or other official documentation will be available to the Authorized Officer prior to seeding upon request.

Seeding will occur as soon as reasonably possible following completion of earthwork activities and timed for successful germination.

To prepare the site for seeding, only the seed drill will be necessary to create a firm bed. The seed mix is designed to be applied at 60 Total PLS per square foot which will ensure adequate stand density and diversity. Seeding will be completed using a no-till drill or Brillion drill seeder, this method allows for the handling of a wide variety of seed types and sizes in addition to establishing good seed to soil contact without undo disruption of the soil surface. Using a no till or Brillion drill also provides proper seed planting depth which will be approximately 1/8 inch.

#### Weed Management:

BP's objective is to implement an integrated weed management program to control weed populations and establish desirable vegetation. No noxious weeds were noted during the onsite visit.

Weed management and control will be performed by a properly licensed contractor and within full compliance of all federal and state laws and regulations.

Weed management and control will be performed in an environmental conscious manner using BMP's.

#### Monitoring:

BP will submit a Sundry Notice informing the BLM the earthwork and seeding is completed and requesting a joint inspection to examine the site.

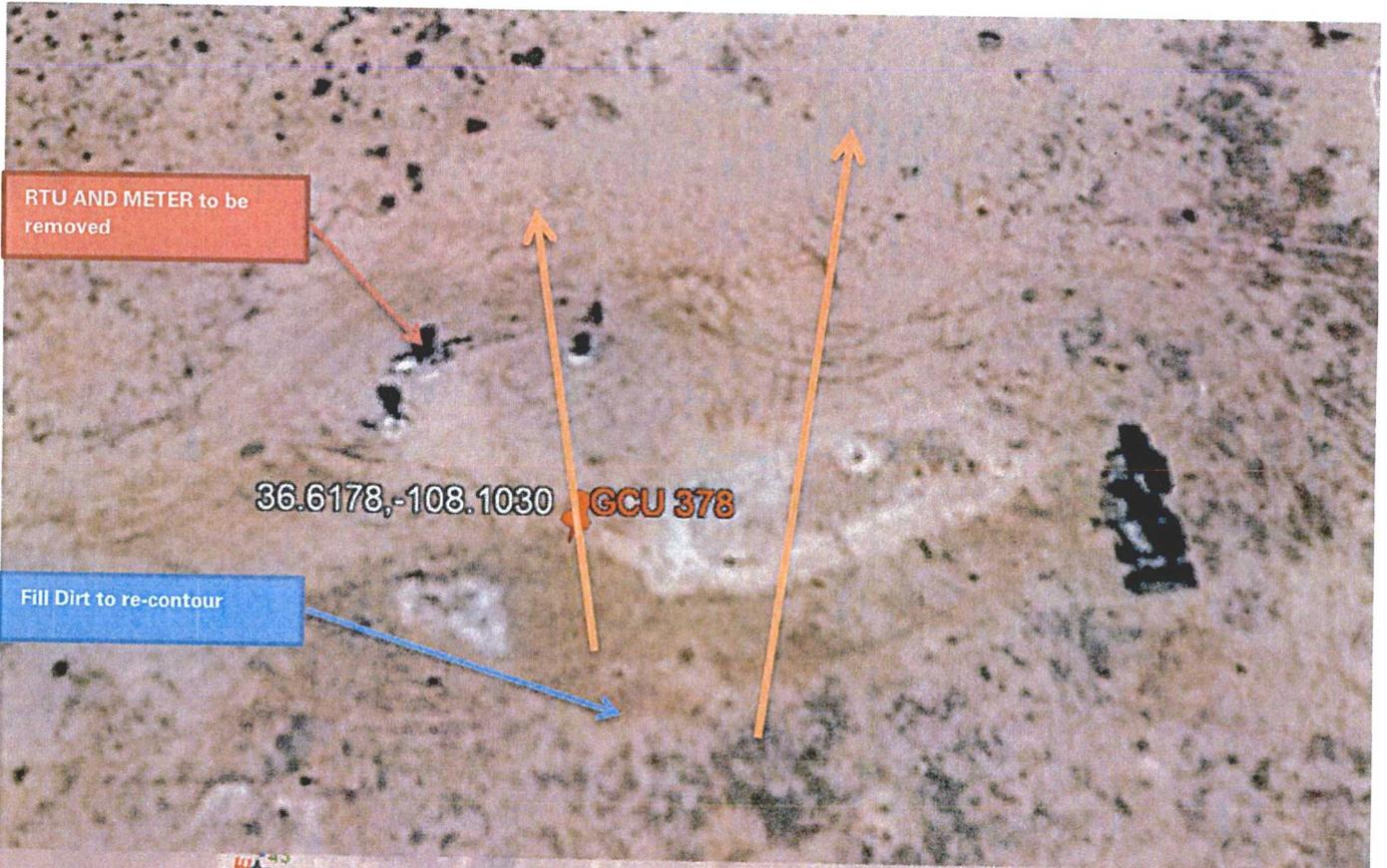
Any fencing installed to assist with re-vegetation will be removed once there is agreement from the BLM that the vegetation percent cover standard has been attained.

#### Attachments:

- P&A Field Inspection Sheet performed on 8/2/2018.
- Aerial of location.

Well name and no: GALLEGOS CANYON UNIT 378  
API No. 30-045-27554





BP L48 San Juan



P&A Field Inspection Sheet

Date: 8/2/2018				Specialist Sabre Beebe, BP: Randy McKee, BLM	
Operator: BP America				Well Name & Number: Gallegos Canyon Unit 378	
API Number: 30-045-24554		Section: 34	Township: 28N	Range: 12W	
Lease Number: NMSF078903A				Footage: 2325 FSL 1480 FWL	
			County: San Juan County	State: New Mexico	
Surface:	NAVAJO TRIBAL	Mineral:	BLM	Twinned/Collocated:	No
Active well name: Active well API:					

Well Pad

Topography: SLIGHTLY SLOPING	Stockpile Topsoil	No
Soil Type: SANDY		
Vegetation Community: SAGEBRUSH		
<b>VEGETATION NOTED IN AREA SURROUNDING WELL PAD</b>		
Sand Drop Seed Indian Rice Grass Four Wing Mormon Tea Antelope Bitter brush		

Vegetation Cages: No

Facilities on Location:

N/A Tanks

1 Meter Runs 52930007 2 INCH

N/A Separators

N/A Compressor

N/A Day Tanks

1 Pipeline riser belonging to: BP

**Enterprise lines and risers on and near location that Enterprise will need to address as BP cannot address other Operator's equipment. BLM is requiring that the riser be removed from location and the pipeline be addressed by removing from disturbance area and if the line meets the federal regulations to abandon in place both ends of the line are properly abandoned.**

1 RTU 2923

1 Solar Panel

2 Batteries

N/A Lift Equipment

Steel Pits: N/A: Where on Location:

Drip or possible Drip NO

Other Equipment not listed:

Gravel Present: Yes Bury No Place Gravel on Main Road: Yes

Cathodic Ground bed on location: No

In Service: N/A

Abandon: N/A

Plug: No

Remove Wire No

Remove Rectifier N/A

Power Poles: N/A

Remove Power Poles: N/A

Trash on location: No N/A

Construction Diversion Ditch: N/A

Side draining	Contaminated Soil: No
Side draining	Remove: <input type="checkbox"/> Yes, where on location:

Construction Silt Trap(s): Yes, PLACEMENT TO BE DETERMINED DURING DIRT WORK  
Re-Contour Disturbed Areas to Near Natural Terrain: Yes  
Special Features:  
Location & Access Barricade: N/A / How: N/A  
Construction Comments / Concern:

**Access Road**

Access Length: 0.01 miles Remediation Methods: Rip Disk Water Bars Re-establish Drainages  
Other:

Access Condition: At Grade

Culverts: No

Cattle Guard: No

Reconstruct Fence: No

Surface Material: Yes

What to do with Material	REMOVE ALL MATERIAL / GRAVEL FROM LOCATION
Road Comments/Concerns	

**Noxious weeds identified at time of on site?** No , if yes list noxious weeds found

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 378

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.

Low concentrations of H<sub>2</sub>S (12 ppm - <100 ppm GSV) have been reported in wells within a 1 mile radius of this location.

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.