District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 1220 S. St. Francis Dr., Santa Fe, NM 87505

## State of New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Pit, Below-Grade Tank, or

Form C-144 Revised June 6, 2013

For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office.

For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Pit, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application Proposed Alternative Method Permit or Closure Plan Application
Type of action:    Below grade tank registration   Permit of a pit or proposed alternative method   Not of tank or proposed alternative method   Modification to an existing permit/or registration   Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank, or proposed alternative method   Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternative request    Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.
I.
Operator: BP America Production CompanyOGRID #:778
Address:200 Energy Court, Farmington, NM 87401
Facility or well name:Heaton LS 3
API Number:3004510055 OCD Permit Number:
U/L or Qtr/QtrMSection32Township31NRange11WCounty:San Juan
Center of Proposed Design: Latitude36.851231 Longitude108.019556 NAD: □1927 ⋈ 1983
Surface Owner: X Federal X State Private Tribal Trust or Indian Allotment
Pit: Subsection F, G or J of 19.15.17.11 NMAC   Temporary: Drilling Workover   Permanent Emergency Cavitation P&A Multi-Well Fluid Management Low Chloride Drilling Fluid yes no Lined Unlined Liner type: Thickness mil LLDPE HDPE PVC Other   String-Reinforced   Liner Seams: Welded Factory Other Volume: bbl Dimensions: L x W x D
3.    Below-grade tank: Subsection I of 19.15.17.11 NMAC   Tank A
Volume: 95.0 bbl Type of fluid: Produced water
Tank Construction material:Steel
<ul> <li>□ Secondary containment with leak detection □ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off</li> <li>□ Visible sidewalls and liner □ Visible sidewalls only □ Other _Single walled/single bottomed</li> </ul>
<ul> <li>□ Visible sidewalls and liner</li></ul>
In a libit of the control of the con
Alternative Method:  Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)	
Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, institution or church)	hospital,
Four foot height, four strands of barbed wire evenly spaced between one and four feet	
Alternate. Please specify	,
6.	
Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)	
Screen Netting Other	
Monthly inspections (If netting or screening is not physically feasible)	
7. Signs: Subsection C of 19.15.17.11 NMAC	
12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers	
☐ Signed in compliance with 19.15.16.8 NMAC	
8.	
<u>Variances and Exceptions:</u> Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.	
Please check a box if one or more of the following is requested, if not leave blank:	
☐ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval. ☐ Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	
9. Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of accept material are provided below. Siting criteria does not apply to drying pads or above-grade tanks.	otable source
General siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank.  - □ NM Office of the State Engineer - iWATERS database search; □ USGS; □ Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit.  NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No☐ NA
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. ( <b>Does not apply to below grade tanks</b> )  - Written confirmation or verification from the municipality; Written approval obtained from the municipality	Yes No
Within the area overlying a subsurface mine. (Does not apply to below grade tanks)  - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
<ul> <li>Within an unstable area. (Does not apply to below grade tanks)</li> <li>Engineering measures incorporated into the design; NM Bureau of Geology &amp; Mineral Resources; USGS; NM Geological Society; Topographic map</li> </ul>	☐ Yes ☐ No
Within a 100-year floodplain. (Does not apply to below grade tanks)  - FEMA map	Yes No
Below Grade Tanks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption; NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.)  - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes No
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application.  NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 100 feet of a wetland.  - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit Non-low chloride drilling fluid	
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed site	
	Yes No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application;  - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet of a wetland.  - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Permanent Pit or Multi-Well Fluid Management Pit	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed site	Yes No
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	Yes No
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of	
initial application NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 500 feet of a wetland.  - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 Natructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the docattached.  Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19. and 19.15.17.13 NMAC	NMAC  15.17.9 NMAC
Previously Approved Design (attach copy of design) API Number: or Permit Number:	
Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC  Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the docattached.  Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC  Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC  A List of wells with approved application for permit to drill associated with the pit.  Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19 and 19.15.17.13 NMAC	
Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC	
Previously Approved Design (attach copy of design) API Number: or Permit Number:	

Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC  Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the	documents are
### Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC    Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC    Climatological Factors Assessment    Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC    Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC    Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC    Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC    Quality Control/Quality Assurance Construction and Installation Plan    Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC    Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC    Nuisance or Hazardous Odors, including H₂S, Prevention Plan    Emergency Response Plan    Oil Field Waste Stream Characterization    Monitoring and Inspection Plan    Erosion Control Plan    Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC	
Proposed Closure: 19.15.17.13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.	
Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Multi-well Fl Alternative Proposed Closure Method: Waste Excavation and Removal Waste Removal (Closed-loop systems only) On-site Closure Method (Only for temporary pits and closed-loop systems) In-place Burial On-site Trench Burial Alternative Closure Method	luid Management Pit
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be a closure plan. Please indicate, by a check mark in the box, that the documents are attached.  Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC  Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC  Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)  Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC  Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC  Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	attached to the
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable sour provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. P 19.15.17.10 NMAC for guidance.	
Ground water is less than 25 feet below the bottom of the buried waste.  - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is more than 100 feet below the bottom of the buried waste.  - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application.  - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	L

adopted pursuant to NMSA 1978, Section 3-27-3, as amended.	
- Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area.  - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	Yes No
Within a 100-year floodplain FEMA map	Yes No
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure proby a check mark in the box, that the documents are attached.  Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC  Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC  Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17  Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.13 NMAC  Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC  Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC  Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cant Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC  Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	.11 NMAC .15.17.11 NMAC
17. Operator Application Certification:	
I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and bel	ief.
Name (Print): Title:	
Signature: Date:	
e-mail address:	
OCD Approval: Permit Application (including closure plan) Closure Pten (only) OCD Conditions (see attachment)  OCD Representative Signature: Approval Date: 2/12  Title: OCD Permit Number:	12015
Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting	
The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do no section of the form until an approved closure plan has been obtained and the closure activities have been completed.  Closure Completion Date:12/5/2014	
section of the form until an approved closure plan has been obtained and the closure activities have been completed.	oop systems only)

22. Operator Closure Certification:	
I hereby certify that the information and attachments submitted with this closubelief. I also certify that the closure complies with all applicable closure requi	
Name (Print):Jeff Peace	Title: Field Environmental Coordinator
Signature: Jeff Posce	Date:January 30, 2015
e-mail address:peace.jeffrey@bp.com	Telephone:(505) 326-9479

## BP AMERICA PRODUCTION COMPANY

SAN JUAN BASIN, NORTHWEST NEW MEXICO

#### BELOW-GRADE TANK CLOSURE PLAN

## Heaton LS 3 <u>API No. 3004510055</u> Unit Letter M, Section 32, T31N, R11W

This plan will address the standard protocols and procedures for closure of below-grade tanks (BGTs) on BP America Production Company (BP) well sites. As stipulated in Paragraph A of 19.15.17.13 NMAC, BP shall close a BGT within the time periods provided in 19.15.17.13 NMAC, or by an earlier date that the New Mexico Oil Conservation Division (NMOCD) requires because of imminent danger to fresh water, public health, safety or the environment. If deviations from this plan are necessary, any specific changes will be included on form C-144 and approved by the NMOCD. BP shall close an existing BGT that does not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or is not included in Paragraph (5) of Subsection I of 19.15.17.11 NMAC within five years after June 16, 2008, if not retrofit with a BGT that complies with the BP NMOCD approved BGT design attached to the BP Design and Construction Plan. BP shall close an existing BGT that does not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC, if not previously retrofitted to comply with the BP NMOCD approve BGT Design attached to the BP Design and Construction Plan, prior to any sale or change in operator pursuant to 19.15.9.9 NMAC. BP shall close the permitted BGT within 60 days of cessation of the BGTs operation or as required by the transitional provisions of Subsection B, D, or E of 19.15.17.17 NMAC.

#### General Closure Plan

- 1. BP shall notify the surface owner by certified mail that it plans to close a BGT. Evidence of mailing of the notice to the address of the surface owner shown in the county tax records demonstrates compliance with this requirement.
  - Notice is attached.
- 2. BP shall notify the division District III office verbally or by other means at least 72 hours, but not more than one (1) week, prior to any closure operation. The notice shall include the operator's name, and the location to be closed by unit letter, section, township and range. If the BGT closure is associated with a particular well, then the notice shall also include the well's name, number and API number.

#### Notice is attached.

- 3. BP shall remove liquids and sludge from the BGT prior to implementing a closure method and dispose of the liquids and sludge in a NMOCD's division-approved facility. The facilities to be used are:
  - a. BP Crouch Mesa Landfarm, Permit NM-02-003 (Solids)
  - b. JFJ Landfarm, Permit NM-01-010(B) (Solids and Sludge)
  - c. Basin Disposal, Permit NM-01-0005 (Liquids)
  - d. Envirotech Inc Soil Remediation Facility, Permit NM-01-0011 (Solids and Sludge)
  - e. BP Operated E.E. Elliott SWD #1, API 30-045-27799 (Liquids)

- f. BP Operated 13 GCU SWD #1, API 30-045-28601 (Liquids)
- g. BP Operated GCU 259 SWD, API 30-045-20006 (Liquids)
- h. BP Operated GCU 306 SWD, API 30-045-24286 (Liquids)
- i. BP Operated GCU 307 SWD, API 30-045-24248 (Liquids)
- j. BP Operated GCU 328 SWD, API 30-045-24735 (Liquids)
- k. BP Operated Pritchard SWD #1, API 30-045-28351 (Liquids)

All liquids and sludge in the BGT were removed and sent to one of the above NMOCD approved facilities for disposal.

4. BP shall remove the BGT and dispose of it in a NMOCD approved facility or recycle, reuse, or reclaim it in a manner that the NMOCD approves. If a liner is present and must be disposed of it will be cleaned by scraping any soils or other attached materials on the liner to a de minimus amount and disposed at a permitted solid waste facility, pursuant to Subparagraph (m) of Paragraph (1) of Subsection C of 19.15.35.8 NMAC. Documentation as to the final disposition of the removed BGT will be provided in the final closure report.

The BGT was transported to a storage area for sale and re-use.

5. BP shall remove any on-site equipment associated with a BGT unless the equipment is required for well production.

All equipment associated with the BGT has been removed.

6. BP shall test the soils beneath the BGT to determine whether a release has occurred. BP shall collect at a minimum: a five (5) point composite sample and individual grab samples from any area that is wet, discolored or showing other evidence of a release and analyze for BTEX, TPH and chlorides. The testing methods for those constituents are as follows;

Constituents	Testing Method	Release Verification	Sample
	95 bbl BGT	(mg/Kg)	results
Benzene	US EPA Method SW-846 8021B or 8260B	0.2	ND
Total BTEX	US EPA Method SW-846 8021B or 8260B	50	ND
TPH	US EPA Method SW-846 418.1	100	67.8
Chlorides	US EPA Method 300.0 or 4500B	250 or background	16.7

Notes: mg/Kg = milligram per kilogram, BTEX = benzene, toluene, ethylbenzene, and total xylenes, TPH = total petroleum hydrocarbons. Other EPA methods that the division approves may be applied to all constituents listed. Chloride closure standards will be determined by which ever concentration level is greatest.

Soil under the BGT was sampled and TPH, BTEX and chloride levels were below the stated limits. Sampling data is attached.

7. BP shall notify the division District III office of its results on form C-141. **C-141 is attached.** 

8. If it is determined that a release has occurred, then BP will comply with 19.15.30 NMAC and 19.15.29 NMAC, as appropriate.

Sampling results indicate no release occurred.

9. If the sampling demonstrates that a release has not occurred or that any release does not exceed the concentrations specified above, then BP shall backfill the excavation, with compacted, non-waste containing, earthen material; construct a division-prescribed soil cover, re-contour and re-vegetate the location. The location will be reclaimed if it is not with in the active process area

The area under the BGT was backfilled with clean soil and is still within the active well area.

10. BP shall reclaim the BGT location and all areas associated with the BGT including associated access roads to a safe and stable condition that blends with the surrounding undisturbed area. BP shall substantially restore the impacted surface area to the condition that existed prior to oil and gas operations by placement of the soil cover as provided in Subsection H of 19.15.17.13 NMAC, re-contour the location and associated areas to a contour that approximates the original contour and blends with the surrounding topography and re-vegetate according to Subsection I of 19.15.17.13 NMAC.

The area over the BGT is still within the active well area. This area will be reclaimed when the well is plugged and abandoned as part of final reclamation.

11. The soil cover for closures where the BGT has been removed or remediated to the NMOCD's satisfaction shall consist of the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater. The soil cover will be constructed to the site's existing grade and all practicable efforts will be made to prevent ponding of water and erosion of the cover material.

The area over the BGT is still within the active well area. This area will be reclaimed when the well is plugged and abandoned as part of final reclamation.

12. BP shall seed the disturbed area the first growing season after closure of the BGT. Seeding will be accomplished by drilling on the contour whenever practical or by other division-approved methods. Vegetative cover will be, at a minimum, 70% of the native perennial vegetative cover (un-impacted by overgrazing, fire or other intrusion damaging to native vegetation), consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintenance of that cover through two successive growing seasons. During the two growing seasons that prove viability, there shall be no artificial irrigation of the vegetation.

The area over the BGT is still within the active well area. This area will be reclaimed when the well is plugged and abandoned as part of final reclamation.

13. BP shall seed, plant and re-seed pursuant to Paragraph (3) of Subsection I of 19.15.17.13 NMAC, until the location successfully achieves the required vegetative cover.

BP will seed the area when the well is plugged and abandoned as part of final reclamation.

14. Pursuant to Paragraph (5) of Subsection I of 19.15.17.13 NMAC, BP shall notify the NMOCD when it has seeded or planted and when it successfully achieves revegetation.

BP will notify NMOCD when re-vegetation is successful.

- 15. Within 60 days of closure completion, BP shall submit a closure report on NMOCD's form C-144, and will include the following;
  - a. proof of closure notification (surface owner and NMOCD)
  - b. sampling analytical reports; information required by 19.15.17 NMAC;
  - c. disposal facility name and permit number
  - d. details on back-filling, capping, covering, and where applicable re-vegetation application rates and seeding techniques and
  - e. site reclamation, photo documentation.Closure report on C-144 form is included.
- 16. BP shall certify that all information in the report and attachments is accurate, truthful, and compliant with all applicable closure requirements and conditions specified in the approved closure plan.

Certification section of C-144 has been completed.

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 1000 Rio Brazos Road, Aztec, NM 87410

1220 S. St. Francis Dr., Santa Fe, NM 87505

## State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fa NIM 97505

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

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			Rel	ease Notific	cation and Co	orrective A	ction			
					OPERA'	TOR	☐ Initi	al Report	$\boxtimes$	Final Report
Name of Co	ompany: E	3P			Contact: Je	ff Peace				
Address: 20	00 Energy	Court, Farm	ington, N	M 87401	Telephone	No.: 505-326-94	479			
Facility Na	me: Heato	n LS 3			Facility Typ	e: Natural gas	well			
Surface Ow	vner: Feder	ral			Owner: Federal	LEASE	API No	0. 30045100	)55	
Unit Letter M	Section 32	Township 31N	Range 11W	Feet from the 990	North/South Line South	Feet from the 990	East/West Line West	County: S	an Juan	1
		Latit	ude36.	851231	Longitud	e108.019556	5			

## NATURE OF RELEASE Type of Release: none Volume of Release: N/A Volume Recovered: N/A Source of Release: below grade tank - 95 bbl Date and Hour of Occurrence: Date and Hour of Discovery: N/A N/A Was Immediate Notice Given? If YES, To Whom? ☐ Yes ☐ No ☒ Not Required By Whom? Date and Hour Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. ☐ Yes ☒ No If a Watercourse was Impacted, Describe Fully.\* Describe Cause of Problem and Remedial Action Taken.\* Sampling of the soil beneath the BGT was done during removal to ensure no soil impacts from the BGT. Soil analysis resulted in TPH, BTEX and chlorides below standards. Analysis results are attached. Describe Area Affected and Cleanup Action Taken.\* BGT was removed and the area underneath the BGT was sampled. The area under the BGT was backfilled and compacted and is still within the active well area. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. OIL CONSERVATION DIVISION Signature: Approved by Environmental Specialist: Printed Name: Jeff Peace Title: Field Environmental Coordinator Approval Date: Expiration Date: E-mail Address: peace.jeffrey@bp.com Conditions of Approval:

Attached Date: January 30, 2015 Phone: 505-326-9479

<sup>\*</sup> Attach Additional Sheets If Necessary

CLIENT: BP	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199  API #: 3004510	
FIELD REPORT:	(circle one): BGT CONFIRMATION / RELEASE INVESTIGATION / OTHER:  PAGE #: 1 or	_
SITE INFORMATION QUAD/UNIT: M SEC: 32 TWP:	BALL STATES	1/14
	PROD. FORMATION: MV CONTRACTOR: MBF - B, SCHUMAN  ELKHORN  SPECIALIST(S): J(	В
3)	WELL HEAD (W.H.) GPS COORD.:         36.85104 X 108.019570         GL ELEV.:         5           GPS COORD.:         36.851231 X 108.019556         DISTANCE/BEARING FROM W.H.:         75',           GPS COORD.:         DISTANCE/BEARING FROM W.H.:         DISTANCE/BEARING FROM W.H.:           GPS COORD.:         DISTANCE/BEARING FROM W.H.:         DISTANCE/BEARING FROM W.H.:	N8E
SAMPLING DATA:		OVM READING (ppm)
2) SAMPLE ID:  3) SAMPLE ID:	D4'         SAMPLE DATE:         08/01/14         SAMPLE TIME:         1515         LAB ANALYSIS:         418.1/8021B/300.0 (CI)           SAMPLE DATE:         SAMPLE TIME:         LAB ANALYSIS:           SAMPLE DATE:         SAMPLE TIME:         LAB ANALYSIS:           SAMPLE DATE:         SAMPLE TIME:         LAB ANALYSIS:	0.0
SOIL COLOR:  COHESION (ALL OTHERS): NON COHESIVE SLIGHTLY CONSISTENCY (NON COHESIVE SOILS): LO MOISTURE: DRY SLIGHTLY MOIST MOIST / WE SAMPLE TYPE: GRAB COMPOSITE # DISCOLORATION/STAINING OBSERVED: YES NO SITE OBSERVATION	HC ODOR DETECTED: YES NO EXPLANATION -  ANY AREAS DISPLAYING WETNESS: YES NO EXPLANATION -  O EXPLANATION -  LOST INTEGRITY OF EQUIPMENT: YES NO EXPLANATION -  D AND/OR OCCURRED: YES NO EXPLANATION:	Y PLASTIC
SOIL IMPACT DIMENSION ESTIMATION:		NA
	BGT Located: Off On site PLOT PLAN circle: attached  PERIMETER SECURITY FENCE  OVM CALIB. READ. = 51.8 ppr  OVM CALIB. GAS = 100 ppr  DATE: 08  PO #:  PK: ZEVH01BGT2  PJ #: Z2-006Q0  Permit date(s): 06/14/ OCD Appr. date(s): 12/15	RF = 0.52 1/01/14 ES
T.B. = TANK BOTTOM; PBGTL = PREVIOUS BELO	SOUND WALLS  W.H.  W.H.  W.DEPRESSION; B.G. = BELOW GRADE; B = BELOW; T.H. = TEST HOLE; ~= APPROX.; W.H. = WELL HEAD; DW-GRADE TANK LOCATION; SPD = SAMPLE POINT DESIGNATION; R.W. = RETAINING WALL; NA - NOT WALL; DW-DOUBLE WALL; SB - SINGLE BOTTOM; DB - DOUBLE BOTTOM.  ONSITE: 08/01/14	er N N



PO Box 22024

Tulsa OK, 74121-2024

Project Name:

Heaton LS 3

Project Number: Project Manager: 03143-0424 Jeff Blagg Reported:

05-Aug-14 09:42

## **Analyical Report for Samples**

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
95 BGT 5-pt @ 4'	P408004-01A	Soil	08/01/14	08/01/14	Glass Jar, 4 oz.

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laboratory@envirotech-inc.com



Tulsa OK, 74121-2024

Project Name:

Heaton LS 3

PO Box 22024

Project Number:

03143-0424

Project Manager:

Jeff Blagg

**Reported:** 05-Aug-14 09:42

## 95 BGT 5-pt @ 4' P408004-01 (Solid)

	5	Reporting		5.11					
Analyte	Result	· Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021				·					
Benzene	ND	0.05	mg/kg	1	1432001	08/04/14	08/04/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1432001	08/04/14	08/04/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1432001	08/04/14	08/04/14	EPA 8021B	
p,m-Xylene	ND	. 0.05	mg/kg	1	1432001	08/04/14	08/04/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	I	1432001	08/04/14	08/04/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1,432001	08/04/14	08/04/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1432001	08/04/14	08/04/14	EPA 8021B	
Surrogate: Bromochlorobenzene		98.9 %	80-	120	1432001	08/04/14	08/04/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		98.7 %	80-	120	1432001	08/04/14	08/04/14	EPA 8021B	
Total Petroleum Hydrocarbons by 418.1									
Total Petroleum Hydrocarbons	67.8	34.9	mg/kg	1	1432003	08/04/14	08/04/14	EPA 418.1	
Cation/Anion Analysis					<u>.</u>				
Chloride	16.7	9.88	mg/kg	1	1432004	08/04/14	08/04/14	EPA 300.0	



PO Box 22024

Tulsa OK, 74121-2024

Project Name:

Heaton LS 3

Project Number: Project Manager: 03143-0424 Jeff Blagg

Reported:

05-Aug-14 09:42

#### Volatile Organics by EPA 8021 - Quality Control

#### **Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
	Nosan	15milt	Oma	Devel	Result	7011.00	Limita	KI D	Linit	110163
Batch 1432001 - Purge and Trap EPA 5030A										
Blank (1432001-BLK1)				Prepared &	Analyzed:	04-Aug-14	4			
Benzene	ND	0.05	mg/kg							
Toluene	ND	0.05	"							
Ethylbenzene	ND	0.05	u							
p,m-Xylene	ND	0.05	II .							
o-Xylene	ND	0.05	11							
Total Xylenes	ND	0.05	*1							
Total BTEX	ND	0.05	**							
Surrogate: 1,3-Dichlorobenzene	52.5		ug/L	50.0		105	80-120			
Surrogate: Bromochlorobenzene	54.0		"	50.0		108	80-120			
Duplicate (1432001-DUP1)	Sou	ırce: P408003-	01	Prepared &	Analyzed:	04-Aug-14	1			
Benzene	ND	0.05	mg/kg	.,	ND				30	
Toluene	1.71	0.05	"		1.74			1.72	30	
Ethylbenzene	0.35	0.05	"		ND				30	
p,m-Xylene	4.95	0.05			3.72			28.6	30	
o-Xylene	1.02	0.05	п		0.53			62.8	30	D1
Surrogate: 1,3-Dichlorobenzene	63.2		ug/L	50.0		126	80-120			S-02
Surrogate: Bromochlorobenzene	72.1		"	50.0		144	80-120			S-02
Matrix Spike (1432001-MS1)	Sou	ırce: P408003-	01	Prepared &	Analyzed:	04-Aug-14	1			
Benzene	49.4	·	ug/L	50.0	ND	98.8	39-150			
Toluene	75.5		**	50.0	34.8	81.4	46-148			
Ethylbenzene	53.5		u	50.0	0.66	106	32-160			
p,m-Xylene	174		u	100	74.3	99.4	46-148			
o-Xylene	66.3		u	50.0	10.7	- 111	46-148			
Surrogate: 1,3-Dichlorobenzene	60.3	·	"	50.0		121	80-120			S-02
Surrogate: Bromochlorobenzene	70.0		"	50.0		140	80-120			S-02



Project Name:

Heaton LS 3

PO Box 22024

Tulsa OK, 74121-2024

Project Number: 031 Project Manager: Jeff

03143-0424 Jeff Blagg

Reported:

05-Aug-14 09:42

#### Total Petroleum Hydrocarbons by 418.1 - Quality Control

#### **Envirotech Analytical Laboratory**

	Reporting			Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1432003 - 418 Freon Extraction		-w								
Blank (1432003-BLK1)				Prepared &	Analyzed:	04-Aug-14				
Total Petroleum Hydrocarbons	ND	34.9	nıg/kg							
Duplicate (1432003-DUP1)	Source: P408001-01			Prepared &	Analyzed:	04-Aug-14				
Total Petroleum Hydrocarbons	71.9	~` 35.0	mg/kg		71.8			0.251	30	
Matrix Spike (1432003-MS1)	Source	Prepared &	Analyzed:	04-Aug-14						
Total Petroleum Hydrocarbons	1940	34.9	34.9 mg/kg 2020			92.3	80-120			



Project Name:

Heaton LS 3

PO Box 22024

Project Number:

03143-0424

Reported:

Tulsa OK, 74121-2024

Project Manager:

Jeff Blagg

05-Aug-14 09:42

#### Cation/Anion Analysis - Quality Control

#### **Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1432004 - Anion Extraction EPA 300.0										
Blank (1432004-BLK1)				Prepared &	Analyzed:	04-Aug-14				
Chloride	ND	9.83	mg/kg	.,						
LCS (1432004-BS1)	•			Prepared &	: Analyzed:	04-Aug-14				
Chloride	458	9.98	mg/kg	499		91.9	90-110			
Matrix Spike (1432004-MS1)	Sou	rce: P408004-	01	Prepared &	: Analyzed:	04-Aug-14				
Chloride	471	9.97	mg/kg	499	16.7	91.1	80-120	•		
Matrix Spike Dup (1432004-MSD1)	Source: P408004-01			Prepared &	: Analyzed:	04-Aug-14				
Chloride	466	9.91	mg/kg	495	16.7	90.6	80-120	1.08	20	

## 17271

# CHAIN OF CUSTODY RECORD

Client: BIP AMENICA Project Name / Location:  BLAGG Engineeric Inc. HEATON LS 3								ANALYSIS / PARAMETERS																														
Email results to: 2007 Nome Any Comp. Sampler Name:									3015)	8021)	8260)	W			_	_																						
Peace, jeffrey e BP. Goy J. Blay. Client No.: 03143-0424								TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion		TCLP with H/P	CO Table 910-1	418.1)	RIDE				Sample Cool	Sample Intact																
Sample No./.ldentification	Sample Date	Sample Time	Lab Ño.	No:/Vo of Con	Pri HNO <sub>3</sub>	eservati HCI	ve· .	TPH (I	втех	Voc (	NOL L	RCRA	RCRA	Cation	Cation	Cation	Cation	Cation	Cation	Cation	Cation	Cation	Cation	Cation	Cation	Cation	RCI	RC	낊	TCLP	CO Ta	TPH (418.1)	CHLORIDE				Sampl	Sampl
95 BGT 5-0=0 4	8/1/4	1515	P40.8004-01	ابدا	402	-				X		·					X	X			_ \	2 7	4															
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Relinquished by: (Signature)			•	777			ved b					(	<del>)</del> -		<u></u>																							
Sample Matrix Soil Solid ☐ Sludge ☐	Àqueous [	] Other [	]											-																								
Sample(s) dropped off after	hours to se	cure drop o	ff. area.	3 e	<b>N</b> V Anal	II (	) (	<b>e</b> (	itor	y.		8	.6																									
5795 US Highway 6	4 • Farmingt	on; NM 8740	01 • 505-632-0615 • 1	hree Sprin	gs • 65 M	l'erca	do Stre	et, Si	uite 1	15, D	urang	jo, C	0.81	301. ē	labo	rator	y@en	virote	ch-inc	c.com			I															





BP America Production Company 200 Energy Court Farmington, NM. 87401 Phone: (505) 326-9200

June 24, 2014

Bureau of Land Management Mark Kelly 6251 College Blvd Suite A Farmington, NM 87402

#### VIA CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Re: Notification of plans to close/remove a below grade tank

Well Name: HEATON LS 003

API#: 3004510055

Dear Mr. Kelly,

As part of the NM "Pit Rule": 19.15.17.13 Closure Requirements, Paragraph J. BP America Production Company (BP) is required to notify the surface owner of BP's plans to close/remove a below grade tank. BP wishes to inform you of our plans to close/remove the below grade tank on its well pad located on your surface. BP plans to commence this work on or about August 7, 2014. If there aren't any unforeseen problems, the work should be completed within 10 working days.

As a point of clarification, BP will be closing the below grade tank and either operating without one or replacing it with an above ground tank, the well site will continue to operate.

Unless you have questions about this notice, there is no need to respond to this letter. If you do have any questions or concerns, please contact me at 505-326-9214

Sincerely,

Jerry Van Riper

AD Vale

Surface Land Negotiator

**BP America Production Company** 

### **BP America Production Company**

200 Energy Court Farmington, NM 87401 Phone: (505) 326-9200

#### SENT VIA E-MAIL TO: BRANDON.POWELL@STATE.NM.US

June 24, 2014

New Mexico Oil Conservation Division 1000 Rio Brazos Road Aztec, New Mexico 87410

RE: Notice of Proposed Below-Grade Tank (BGT) Closure

HEATON LS 003 API 30-045-10055 (G) Section 32-T31N-R11W San Juan County, New Mexico

Dear Mr. Brandon Powell:

In regards to the captioned subject and requirements of the NMOCD pit rule, this letter is notification that BP is planning to close a 95 bbl BGT that will no longer be operational at this well site.

Should you have any questions, please feel free to contact BP at our Farmington office.

Sincerely,

Jeff Peace

**BP Field Environmental Advisor** 

(505) 326-9479



