Form C-144 Revised June 6, 2013

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

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
12778 Proposed Alternative Method Permit or Closure Plan Application EIVED
Type of action: Below grade tank registration
45-07319 Permit of a pit or proposed alternative method Closure of a pit, below-grade tank, or proposed alternative method MAR 1 2 2015
45 - 0 1319 ☐ Closure of a pit, below-grade tank, or proposed alternative method ☐ MAR 1 2 2013 ☐ Modification to an existing permit/or registration
Closure plan only submitted for an existing permitted or non-permitted pit, be the company of th
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.
Operator: BP America Production Company OGRID #:778
Address:200 Energy Court, Farmington, NM 87401
Facility or well name:Russell LS 4
API Number:3004507319 OCD Permit Number:
U/L or Qtr/QtrGSection24 Township28NRange8W County:San Juan
Center of Proposed Design: Latitude36.65003 Longitude107.62940 NAD: ☐ 1927 ☑ 1983
Surface Owner: M Federal M State Private Tribal Trust or Indian Allotment
2.
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: Thicknessmil 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:95.0bbl Type of fluid:Produced water
Tank Construction material:Steel
☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☒ Other _Double walled/double bottomed; side walls not visible
Liner type: Thicknessmil
4.
☐ Alternative Method:

Form C-144

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, hospital, institution or church)				
☐ 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)				
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.				
Variances and Exceptions: 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	otable source			
material are provided below. Siting criteria does not apply to drying pads or above-grade tanks.				
Conoral siting				
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			
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. (Does not apply to below grade tanks)	☐ Yes ☐ No			
- Written confirmation or verification from the municipality; Written approval obtained from the municipality				
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			
Within an unstable area. (Does not apply to below grade tanks)				
 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. (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	Yes No			
from the ordinary high-water mark).	L Yes No			
- Topographic map; Visual inspection (certification) of the proposed site				
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	Yes No
 application. 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
10. Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 N	IMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the doc attached.	
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 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 Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC	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	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 doc	cuments are
attached. □ 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	.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:	

12. 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	doguments 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 H ₂ S, 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	
13. 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 F 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 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	
is. 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 orovided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. F. 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 Ground water is between 25-50 feet below the bottom of the buried waste	Yes No
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
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
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa ake (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. JS Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	│
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	L Les MO

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							
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	□ Var □ Na						
Within a 100-year floodplain.	☐ Yes ☐ No						
- FEMÁ 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 plan by 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 19.15.17.13 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 cannot 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 Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	1 NMAC 5.17.11 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 believed.	f.						
Name (Print): Title:							
Signature: Date:							
e-mail address:							
OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: 4/22/21 Title: OCD Permit Number:	Release determ Hional C+141 no 015						
19. 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 at The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not a section of the form until an approved closure plan has been obtained and the closure activities have been completed. Closure Completion Date: 12/10/2008							
The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not a section of the form until an approved closure plan has been obtained and the closure activities have been completed. Closure Completion Date: 12/10/2008							
The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not a section of the form until an approved closure plan has been obtained and the closure activities have been completed.	complete this						

Operator Closure Certification:				
I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.				
Name (Print):Jeff Peace	Title: Field Environmental Coordinator			
Signature: Joff Pose	Date:March 10, 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

Russell LS 4 API No. 3004507319 Unit Letter G, Section 24, T28N, R8W

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.
 - No notice was made due to misunderstanding of the BGT notice requirements at that time.
- 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	0.0013
Total BTEX	US EPA Method SW-846 8021B or 8260B	50	0.757
TPH	US EPA Method SW-846 418.1	100	873
Chlorides	US EPA Method 300.0 or 4500B	250 or background	32

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 BTEX and chloride levels were below the stated limits. TPH was 873 ppm by Method 418.1 and was 514 ppm by Method 8015B. Sampling data is attached.

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

- 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 a minor release occurred. Impacted soil was excavated and a separate C-141 will be submitted.
- 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 has been reclaimed since the well was plugged and abandoned.

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 has been reclaimed since the well was plugged and abandoned.

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 has been reclaimed since the well was plugged and abandoned.

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 has been reclaimed since the well was plugged and abandoned.

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 has seeded the area as part of final reclamation since the well was plugged and abandoned.

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.

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Revised August 8, 2011 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Oil Conservation Division 1220 South St. Francis Dr.

Attached

Form C-141

1220 3. 3t. 11ai	icis Di., Saiit	a rc, NW 87505		S	anta F	Fe, NM 875	05				
<u> </u>			Rela	ease Notific	catio	n and Co	orrective A	ction			
						OPERA	ГOR	(X) Initia	al Report	\boxtimes	Final Repor
Name of Company: BP				Contact: Jef	f Peace						
		Court, Farmi	ngton, N	M 87401			No.: 505-326-94				
Facility Na	me: Russe	11 LS 4				Facility Typ	e: Natural gas v	vell			
Surface Owner: Federal Mineral Owner: I			Federal		API No	. 30045073	319				
				LOC	ATIC	N OF RE	LEASE				
Unit Letter G	Section 24	Township 28N	Range 8W	Feet from the 1,500		h/South Line	East/West Line East	County: San Juan			
		Lati	itude3	6.65003		Longitud	e 107.62940				
				NAT	TURE	E OF RELI	EASE				
Type of Rele						Volume of	Release: unknow		Recovered: r		
Source of Re	elease: belov	w grade tank –	95 bbl			Date and I- unknown	Iour of Occurrenc	Date and 4, 2008;7		covery	y: September
Was Immedi	ate Notice (Yes [] No ⊠ Not R	equired	If YES, To	Whom?				
By Whom?						Date and I-	lour				
Was a Watercourse Reached?											
		pacted, Descr									
the BGT. So Analysis resu	oil analysis i ults are attac	resulted in BT. ched.	EX and ch	loride below star	idards.	TPH was 872	2 ppm by Method	ne during removal 418.1 and was 514	ppm by Me	ethod 8	3015B.
* 6	elease	detecte	d, ned	eds to be	han	dled und	er spill a	de with addi	fionel	0-1	41
Describe Are	ea Affected rred. Impac	and Cleanup A	Action Tak	ten.* BGT was re	moved	and the area u	nderneath the BG	T was sampled. Sand has been reclain	ampling resu	ılts ind	dicate a minor
regulations a public health should their or the enviro	Il operators or the envious longerations longerations longerations longerations longerations and the second	are required to ronment. The nave failed to a	o report ar acceptant adequately OCD accep	nd/or file certain in the of a C-141 report investigate and in	elease ort by t emedia	notifications a he NMOCD m ate contaminati	nd perform correct arked as "Final Ro on that pose a thre	nderstand that purs tive actions for reke eport" does not reli eat to ground water responsibility for co	eases which eve the oper s, surface wa	may e rator o iter, hu	endanger of liability uman health
Signature:	Jeff 1	Poses			,		OIL CONS	SERVATION	DIVISIO	<u>)N</u>	
Printed Nam	• •					Approved by	Environmental S ₁	pecialist:			
Title: Field E	Environmen	tal Coordinato	r			Approval Dat	e:	Expiration	Date:		
E-mail Address: peace.jeffrey@bp.com					Conditions of Approval:						

Phone: 505-326-9479

Date: March 10, 2015 * Attach Additional Sheets If Necessary

CLIENT: BP		GG ENGINE 7, BLOOM	•		LO	CATION NO:	_
API# 3004507319		(505) 632-1	•		cc	OCR NO:	5218
FIELD REPORT:	PIT CL	OSURE	VERIF	ICATIO	ON PAG	GE No:	1 of1
LOCATION: NAME: RUSSEL		WELL#: 4	TYPE:	SEP.		E STARTED: _	09/04/08
QUAD/UNIT: G SEC: 24 TWP:	28N RNG: 8			NM	ENV	RONMENTAL	ICD
QTR/FOOTAGE: SW/NE CONTRACTOR: L & L SPECIALIST: JCB EXCAVATION APPROX. NA FT. x NA FT. x NA FT. DEEP. CUBIC YARDAGE: NA							
DISPOSAL FACILITY:	NA NA	<u> </u>		TION METHO			NA A
LAND USE: RANGE -	BLM	LEASE:	NM073		FORMAT	ION:	MV
FIELD NOTES & REMARKS:	PIT LOC	ATED APPROXIM	ATELY 1	05 FT.	S80W	_ FROM	WELLHEAD.
DEPTH TO GROUNDWATER: >100'	_ NEAREST WA	TER SOURCE:	>1,000'	NEARES	T SURFACE W	ATER: <	1 <u>,000'</u>
NMOCD RANKING SCORE: 10	_ NMOCD TPH (CLOSURE STD: _	1,000 ₽			F0 0	
SOIL AND EXCAVATION DI	ESCRIPTION	<u>l:</u>		OVM CALIB.		53.3 ppm 100 ppm	
0'-1'				TIME: 7:4		n DATE: _	09/04/08
SOIL TYPE: SAND SILTY SAND / SI SOIL COLOR:	_T / SILTY CLAY	/ CLAY / GRAVEI	L OTHER B	EDROCK (sands	stone)		
COHESION (ALL OTHERS): NON COHESIVE CONSISTENCY (NON COHESIVE SOILS): L				IVE	B	GT CENTER 36.65003	
PLASTICITY (CLAYS): NON PLASTIC / SLIG	HTLY PLASTIC / CO	OHESIVE / MEDIUM	I PLASTIC / HIGHL	Y PLASTIC		107.62940	
DENSITY (COHESIVE CLAYS & SILTS): SOME MOISTURE: DRY SLIGHTLY MOIST MOIST							
DISCOLORATION/STAINING OBSERVED: Y	ES NO EXPLANA		IVAILD				
HC ODOR DETECTED: YES NO EXPLAN SAMPLE TYPE: GRAB COMPOSITE # 0							
ADDITIONAL COMMENTS:			O BE PLUGGED			00115075	
SOMPOSIT	·	DOUBLE BOTTOM	M. USE BACKH	JE TO REMOVE	IANK THEN	COLLECT 5	POINT
SCALE CAMP TIME		FIEL	D 418.1 CALCU	LATIONS	T		
SCALE SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)
0 FT							
PIT PERIMETER	PIT PERIMETER PIT PROFILE OVM						=
PIT PERIMETER					PITF	PROFILE	=
PBGTL	A	O\ REAI SAMPLE			PITF	PROFILE	=
	N	REAL	DING		PITF	PROFILE	
PBGTL T.B. ~ 5'	A	REAI SAMPLE ID 1 @ 2 @	DING FIELD HEADSPACE		PITF	PROFILE	=
PBGTL T.B. ~ 5' B.G.	A	REAI SAMPLE ID 1 @ 2 @ 3 @ 4 @	DING FIELD HEADSPACE		PITF	PROFILE	
PBGTL T.B. ~ 5' B.G.	A	REAI SAMPLE ID 1 @ 2 @ 3 @	DING FIELD HEADSPACE				
PBGTL T.B. ~5' B.G. X X X X	A	REAI SAMPLE ID 1 @ 2 @ 3 @ 4 @ 5 @	OING FIELD HEADSPACE (ppm)			ROFILE	
PBGTL T.B. ~ 5' B.G.	A	REAI SAMPLE ID 1 @ 2 @ 3 @ 4 @ 5 @	OING FIELD HEADSPACE (ppm)				
PBGTL T.B. ~5' B.G. X X X X	A	REAI SAMPLE ID 1 @ 2 @ 3 @ 4 @ 5 @ 5-pt. @ 5'	PING FIELD HEADSPACE (ppm) 252				
PBGTL T.B. ~5' B.G. X X X X	A	REAI SAMPLE ID 1 @ 2 @ 3 @ 4 @ 5 @ 5-pt. @ 5'	PILES ALYSIS TIME				
PBGTL T.B. ~5' B.G. X X X X	A	REAI SAMPLE ID 1 @ 2 @ 3 @ 4 @ 5 @ 5-pt. @ 5' LAB SAN SAMPLE ID ANA 95 BGT TPH	PING FIELD HEADSPACE (ppm) 252				
PBGTL T.B. ~ 5' B.G. X X X X X	A	REAI SAMPLE ID 1 @ 2 @ 3 @ 4 @ 5 @ 5-pt. @ 5' LAB SAN SAMPLE ID ANA 95 BGT TPH	PLES ALYSIS TIME TIME TIME TIME TO MARKET TO MARK				
PBGTL T.B. ~ 5' B.G. X X X X X	N T	REAI SAMPLE ID 1 @ 2 @ 3 @ 4 @ 5 @ 5-pt. @ 5' LAB SAN SAMPLE ID ANA 95 BGT TPH	PLES ALYSIS TIME TIME TIME TIME TO MARKET TO MARK			IA	



EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Elient: Sample ID: Láboratory Number: Chain of Custody No: Sample Matrix: Preservative: Condition:	Blagg/BP 95 BBL BGT 5-Point @ 5' 47098 5218 Soil Cool Intact	"Project:#: Date Reported: Date Sampled: Date Received: Date Extracted: Date Analyzed: Analysis Needed:	94034:0010 09:15-08 09:04:08 09:04:08 09:40-08 09:40-08 09:10-08 TPH:418:1
Parameter	Concentr (mg/kg)	•	Det. Limit (mg/kg)
Totál Petroleum Hydroca	rbôns 873		5.0.
ŊD ≕ Parameter not detected a	at the stated detection limit.		
	.1, Pētroleum Hydrocarböns, Total I USEPA Storet No. 4551, 1978.	Rěcoverable, Chemicăl Añ <u>al</u>	ysiş of Water
Comments Russell L	Ş.4.		
Analyst Analyst		(Muntimer Man ha Review	Jeete-



ÉPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Blagg/BP	Project #:	94034-0010
Sample ID:	95 BBL BGT 5-Point @ 5'	Date Reported:	09-1 <u>2</u> -08
Laboratory Number:	<u>47098</u>	Date Sampled:	09:04:08
Chain of Custody No:	.5218	Date Received:	09-04-08
Sample Matrix:	Soil	Date Extracted:	09-09-08
Preservative:	Cool	Date Analyzed:	09-10-08
Condition:	Intact.	Analysis Requested:	8015 TP H

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	103	0.2
Diesel Range (C10 - C28)	411	0.1
Total Petroleum Hydrocarbons	514	0,2

ND-Parameter not detected at the stated detection limit.

References:

Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,

ISW-846, IUSEPA December 1996.

Comments:

Russell LS 4

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EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg/BP	Project #:		94034-0010
Sample ID:	95 BBL BGT 5-Point @ 5'	Date Reported:		09-12-08
Laboratory Number:	47098	Date Şampled.		09-04-08
Chain of Custody:	5218. ¹	Date Received:		09-04-08
Sample Matrix:	Şçil	Date Analyzed:		0,9-10-08
Preservative:	Cool	Date Extracted:	1	09-09-08
Condition:	Intact	Analysis Requested	<u>.</u>	BTEX
: •	2	g in the state	Det.	
	Concentra	tion	Limit	
Parameter	(úg/Kg)	· - +	(ug/Kg)	an ber entragen o
		•		
Benzene		1.3	0.9	
Toluene		13.0	1.0	
Ethylbenzene		11.8	1.0	
p.m-Xylene	53		1.2	
o-Xylene	1.6	3	0.9	
Total BTEX	75			

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
· · · · · · · · · · · · · · · · · · ·	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

References:

Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA;

December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW:846,

USEPA, December 1996.

Comments:

Russell LS 4

Analysi

<u>Review</u>



Chloride

Blagg/BP Client: Project #: 94034-0010 95 BBL BGT 5-Point @ 5' Date Reported: 09-15-08 Sample ID: Lab ID#: 47098 Date Sampled: 09-04-08 Sample Matrix: Date Received: 09-04-08 Soil Preservative: Date Analyzed: 09-10-08 Cool Condition: Intact Chain of Custody: 5218

Parameter Concentration (mg/Kg)

Total Chloride

32.0

Reference:

U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983. Standard Methods For The Examination of Water And Waster Water", 18th ed., 1992:

Comments:

Rüssell LS 4.

Analyst

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Review



EPA METHOD 418:1 TOTAL PETROLEUM HYROCARBONS QUALITY ASSURANCE REPORT

		Ì	o à lo c	The second secon	musica di		Ň/A
Client:		i	QÀ/QÇ QÀ/QC		Project #: Daté Reported		09-11-08
Sample ID: Laboratory Number:			09-05-TPH.QA/QQ	46085	Date Sampled:		N/A
Sample Matrix:			Freon-113	5 40000	Date Analyzed		09-09-08
Preservative:			N/A		Date Extracted		09:09-08
Condition:		ı	N/A		Analysis Need	ēģ:	16H
Calibration	i-Cal Date 08-22-08	į.	C-Cal Date 09-09-08	l-Cal RF: 1,680	G:Cal RF: 1,670	% Difference 0.6%	Accept Range +/- 10%
Blank Conc. (mg/Kg)		;		Concentration ND	Detection Limit. 5.0		
Düplicate Gonc. TPH	(mg/Kg)	ξ.		Sample 873	Duólicate 739	% Difference 15:4%	Accept. Range +/- 30%
Spike Conc. (mg	/Kg)	1	Sample 873	Spike Added 2,000	Spike Result 2,420	% Recovery 84.2%	Accept Range 80 - 120%

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water

and Waste; USEPA Storet No. 4551, 1978.

Comments:

QA/QC for Samples 47098, 47109 - 47111 and 47148 - 47149.

Analyst

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EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Quality Assurance Report

QAVQC		Project #:		Ñ/A·
09-10-08 QA/C	QC			09-12-08
47098	•			N/A
Methylene Chlor	ide			N/A
N/A	- <u>-</u> -			09-10-08
N/A			ted:	TPH
Lili-Cal Date	i-CaliRi ?	GCalRFa	% Difference	Accept Range
05-07-07	9.9288E+002	9.9328E+002	0.04%	0 - 15%
(05-07-07	9.8912E+002	9.8952E+002	0.04%	0 - 15%
	Goncentration		Detection Lim	i č
	ŅĎ	\$	(Ö.2	
	ЙĎ		0.1	
	ND		0.2	
 	Duplicate.	% Difference &	Accept Range	
	102		and the same of th	
411	408	0.7%	0 - 30%	
Samile	Spike Added	Snike Result	% Recover	Accent Range
	man and company and a production of the		******************	75 ÷ 125%
, , , , ,		~ ~,1	1 10	10 - 120/0
The state of the s	09-10-08 QA/C 47098 Methylene Chlor N/A N/A N/A 05-07-07 05-07-07	09-10-08 QA/QC 47098 Methiylene Chloride N/A N/A N/A 05-07-07 9.9288E+002 05-07-07 9.8912E+002 Gencentration ND ND ND ND ND ND ND ND Sample 103 102 411 408	09-10-08 QA/QC Date Reported: 47098 Date Sampled: Methylene Chloride Date Received: N/A Date Analyzed: Analysis Reques 05-07-07 9.9288E+002 9.9328E+002 05-07-07 9.8912E+002 9.8952E+002 Concentration ND	09-10-08

NO = Parameter not detected at the stated detection limit.

References:

Method 8015B: Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,

SW-846, USEPA December 1996.

Comments:

QA/QC for Samples 47098 and 47109 = 47111.

Analyst



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client: Sample ID: Laboratory Number Sample Matrix Preservative: Condition:	: : :			Project #: Date Reported: Date Sampled: Date Received: Date Analyzed: Analysis:		N/A 09-12-08 N/A N/A 09-10-08 BTEX
Calibration and Detection Limi		V= Cal RF			Blank Conc	Detect : s
Benzene Toluene Ethylbenzene p.m-Xylene o-Xŷlene		7.1506É+007 5.4790E+007 4.2708É+007 8.8460É+007 4.132ZE+007	7.1649E+007 5.4900E+007 4:2794E+007 8.8657E+007 4:1405E+007	0.2% 0.2% 0.2% 0.2% 0.2%	ND ND ND ND	.0;1 0:1 0:1 0:1 0:1
Duplicate Conc.	(úg/Kġ)	Sample.	Duplicate.	\$6.%D(f)()	Accept Range	Defect_Units
Benzene Toluene Ethylbenzene p.m-Xylene o-Xylene		1:3 13:0 41:8 :538 163	1.4 13 <u>.2</u> 42.3 534 158	7.7%, 1.5% 1.2% 0.8% 2.7%	0 = 30% 0 = 30% 0 = 30% 0 = 30% 0 = 30%	10.9 1.0 1.0 1.2 0.9
Spike Conc (ug/	kg)	Sample	Amount Spiked	Spiked Sample	%:Recovery	Accept Range
Benzene Toluene Ethylbenzene p,m:Xylene o-Xylene		1,3 13,0 41,8 538 163	50:0 50:0 50:0 10:0 50:0	50.9 61.0 88.7 632 207	.99.2% 96.8% 96.6% 99.0%	39 - 150 46 - 148 32 - 160 46 - 148 46 - 148
ND - Parameter not	detected at tije stated	ģētejcilon limit.				
References:	Přeńces: 'Měthod 5030B, Řurge and Trap. Test Méthods for Evaluating Solid Waste: ŚŴ-846, ŪSEPA; Décember 1996. Měthod 8021B, Aròmatic and Halogengied Volatiles by Ġas Chromatography Using Photolonization and or Electrolytic Conductivity Detectors, SW-846, ŪSEPA December 1996.					
Čomments:	QA/QC for Sa	mples 47098,	47104 - 4711	1, and 47133.		
Analyst Analyst)	(Mietline,	م ل أذه	len

5218 **CHAIN OF CUSTODY RECORD** Client: Project Name / Location: ANALYSIS / PARAMETERS RUSSELL LS 4 Sampler Name: Client Address: TPH (Method 8015) BTEX (Method 8021) VOC. (Method 8260) JEFF RCRA 8 Metals TCLP with H/P Cátion / Anion Sample Intact Client Phone No.: Client No.: TPH (418:1) Sample Cool CHLORIDE 94034-010 Sample No./ Sample Sample No./Volume Preservative Sample PAH Lab No. RO of Containers Identification Date Time. HgCL HCI Matrix Śludge 47098 95 BBL BGT 0945 1-402 Aqueous 5-Pointe51 Soil Śludge Aqueous Soil Sludge Solid Aqueous Śoil Sludge ·Şolid Aqueous Sludge Soil Solid Aqueous Soil Sludge Solid Aqueous Słudge Soil Solid Aqueous Soil Sludge Solid Aqueous :Soil Sludge Sõlid Aqueous Soil Sludge Solid Aqueous Relinquished by: (Signature) Date Time Received by: (Signature) Time 9/4/08 1327 1327 Received by: (Signature) Relinquished by: (Signature) Received by: (Signature) ENVIROTECH INC.

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505-632-0615



BP America Production Company 200 Energy Court

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

CERTIFIED MAIL RECEIPT

7007 1490 005 0858 7698

September 3, 2008

Bureau of Land Management 1235 La Plata Highway Farmington, NM 87401

RE:

Notice of Proposed Below Grade Tank Closure

Russell LS 004

Unit Letter G, Section 24, Township 28N, Range 8W

Dear Mr. Mark Kelly:

In regards to the captioned subject and requirements of the new NMOCD pit rule, this letter is notification that BP America Production Company is planning to close a 95 barrel Below Grade Tank (BGT) that will no longer be used in on this location.

Should you have any questions, please feel free to contact me at 326-9425 in our Farmington office.

Sincerely,

Larry Schlotterback

Field Environmental Coordinator



