District I 1625 N. French Dr., Hobbs, NM 88240 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

Alternative Method:

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

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
13049 Proposed Alternative Method Permit or Closure Plan Application
Type of action: Below grade tank registration Permit of a pit or proposed alternative method Closure of a pit, below-grade 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.
Operator: BP America Production CompanyOGRID#:778 Address:200 Energy Court, Farmington, NM 87401
Facility or well name: Atlantic A LS #15
API Number: 3004524264 OCD Permit Number:
U/L or Qtr/Qtr A Section 28 Township 31N Range 10W County: San Juan Center of Proposed Design: Latitude 36.87459 Longitude -107.88257 NAD: □1927 □ 1983
Surface Owner: Federal 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: 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: 95.0 bbl 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

Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality					
written committation of 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					
Within a 100-year floodplain.	Yes No				
- 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 plants 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. 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 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 cann 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				
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 beli	ief.				
Name (Print): Title:					
Signature: Date:					
e-mail address:					
e-mail address:					
e-mail address:					
e-mail address:	the closure report.				
e-mail address: Telephone:	the closure report.				
e-mail address: Telephone:	the closure report.				

The second secon				
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. Variances and Exceptions: Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.	4			
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 accematerial are provided below. Siting criteria does not apply to drying pads or above-grade tanks.	eptable 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			
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) - 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			
 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 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	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						
Within 100 feet of a wetland US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site						
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					
그 이번 사람들이 많은 그리지만, 어린 마음이다. 그는 그는 사람들이 가지 않는 사람들이 다른 사람들이 가득하다는 것이다.	To the second					
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						
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 N 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 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.	NMAC					
and 19.15.17.13 NMAC Previously Approved Design (attach copy of design) API Number: or Permit Number:						
11.						
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 attached.	cuments are					
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	.15.17.9 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			
### attached. 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 F	luid Management Pit			
☐ 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				
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				
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. In 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 ☐ NA			
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			
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 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 \[\sigma \] Yes \[\sigma \]				
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	aker large of			

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 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. Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 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 19.15.17.13 NMAC Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC 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	17.11 NMAC 19.15.17.11 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 because of the best of the best of my knowledge and because of the best of th	belief.
Name (Print): Title:	
Signature: Date:	
e-mail address: Telephone:	
18.	
OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: OCD Permit Number:	30/2015
OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: OCD Permit Number: 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 submitts. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do section of the form until an approved closure plan has been obtained and the closure activities have been completed.	ing the closure report.
OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: OCD Permit Number: 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 submitts. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do a section of the form until an approved closure plan has been obtained and the closure activities have been completed. Closure Completion Date: 5/12/2009	ing the closure report.
OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: OCD Permit Number: 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 submitts. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do section of the form until an approved closure plan has been obtained and the closure activities have been completed.	ing the closure report. not complete this

22. Operator Closure Certification:	
	his closure report is true, accurate and complete to the best of my knowledge and ure requirements and conditions specified in the approved closure plan.
Name (Print): Steve Moskal	Title: Field Environmental Coordinator
Signature: Alous Muu	Date: <u>July 29, 2015</u>
e-mail address: steven.moskal@bp.com	Telephone: (505) 326-9497

BP AMERICA PRODUCTION COMPANY

SAN JUAN BASIN, NORTHWEST NEW MEXICO

BELOW-GRADE TANK CLOSURE PLAN

Atlantic A LS #15 API No. 3004524264 Unit Letter A, Section 28, T31N, R10W

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.
 - No notice was made due to misunderstanding of the BGT notice requirements at that time.
- 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 95 bbl BGT	Release Verification (mg/Kg)	Sample results
Benzene	US EPA Method SW-846 8021B or 8260B	0.2	0.0035
Total BTEX	US EPA Method SW-846 8021B or 8260B	50	0.0484
TPH	US EPA Method SW-846 418.1	100	11.6
Chlorides	US EPA Method 300.0 or 4500B	250 or background	5

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 submitted for laboratory analysis of TPH, BTEX and chloride. Laboratory results were below the stated limits. The laboratory results are 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 significant release has 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 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 was backfilled with clean soil and 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 was backfilled with clean soil and 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 was backfilled with clean soil and 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 has been 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.

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

District IV

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

State of New Mexico Energy Minerals and Natural Resources

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

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-141 Revised August 8, 2011

			1201	THE THOUSE			orrective A		2000	-1 n
Nama of Co	many: D	D				OPERA'		4	Initi	al Report
7					197					
Facility Name: Atlantic A LS #15						Telephone No.: 505-326-9497 Facility Type: Natural gas well				
		THE WATER OF THE PARTY OF THE P								
Surface Ow	Surface Owner: Federal Mineral Owner					Federal			API No	0. 3004524264
				LOC	ATIO	N OF RE	LEASE			
Unit Letter A	Section 28	Township 31N	Range 10W	Feet from the 790	North North	rth/South Line Feet from the East/W			Vest Line	County: San Juan
	1.9	Lat	itude3	6.87459	3	_ Longitude	e107.88257			
				NAT	TURE	OF REL	EASE			
Type of Rele			15.51	4	The said		Release: N/A	V4X 54		Recovered: N/A
		w grade tank -	- 95 bbl				Hour of Occurrence	ce:	Date and	Hour of Discovery:
Was Immedi	ate Notice (Yes [No Not R	equired	If YES, To	Whom?			
By Whom?					TALL	Date and F				
Was a Water	course Rea		Yes ⊠] No		If YES, Volume Impacting the Watercourse.				
							the BGT was do s results are attac		g removal	to ensure no soil impacts from
				ken.* BGT was reactive well area.	emoved a	and the area u	nderneath the BC	GT was sa	ampled. T	he area under the BGT was
regulations a public health should their or or the environ	Il operators or the envi operations h nment. In a	are required to ronment. The nave failed to	to report and acceptance acceptan	nd/or file certain ince of a C-141 report investigate and in	release n ort by th remediat	otifications as e NMOCD m e contaminati	nd perform correct arked as "Final R on that pose a three the operator of	ctive acti Report" do reat to gre responsi	ons for rel oes not rel ound water bility for c	suant to NMOCD rules and eases which may endanger ieve the operator of liability r, surface water, human health ompliance with any other
			£ 7				OIL CON	SERV.	ATION	DIVISION
Signature:	May	Mu	2		0		Б			
Printed Name	e: Steve Mo	oskal		L		Approved by	Environmental S	pecialist	San Sh	
Γitle: Field E	nvironmen	tal Coordinate	or	1		Approval Dat	te:	E	Expiration	Date:
3-mail Addre	ess: steven.i	moskal@bp.co	om		Conditions of Approval:					Attached
Date: July 29 Attach Addi				5-326-9497						

CLIENT: BP	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	API#: 3004524264
FIELD REPORT:	BGT CONFIRMATION TEMP. PIT CLOSURE / RELEASE INVESTIGATION (other)	PAGE No:1 of1_
SITE INFORMATION QUAD/UNIT: A SEC: 28 TW QTR-QTR/FOOTAGE: 790'N / 1.	P: 31N RNG: 10W PM: NM CNTY: SJ ST: NM	DATE STARTED: 05/06/09 DATE FINISHED:
	PROD. FORMATION: PC CONTRACTOR: ELKHORN	SPECIALIST: JCB
2) 3) 4) 5) LAB INFORMATION: 1) SAMPLE ID: 2) SAMPLE ID: 3) SAMPLE ID: 4) SAMPLE ID: 5) SAMPLE ID: 5) SAMPLE ID: 5) SAMPLE ID: COHESION (ALL OTHERS): NON COHESIVE SLIGHTLY CONSISTENCY (NON COHESIVE SOILS): LC PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESITY (COHESIVE CLAYS & SILTS): SOFT MOISTURE: DRY SLIGHTLY MOIST / MOIST / WOIST / W	GPS COORD.: GPS COORD.: GPS COORD.: GPS COORD.: GPS COORD.: GPS COORD.: CHAIN OF CUSTODY RECORD(S): SAMPLE DATE: SAMPLE DISCOLORATION/STAINING OBSERVED DATE: COHESIVE / COHESIVE / HIGHLY COHESIVE OSE FIRM / DENSE / VERY DENSE COHESIVE / ROUND PLASTIC / HIGHLY PLASTIC / FIRM / STIFF / VERY STIFF / HARD SAMPLE TYPE: GRAB COMPOSITE LL TO BE PLUGGED & ABANDONED (P&A). BGT COATED & APPEARS TO BE	PREARING FROMWH: PREARI
EXCAVATION DIMENSIONS (if applicable	: NA ft. X NA ft. X NA ft. cubic yard	s excavated (if applicable):
SITE SKETCH	PBGTL T.B. ~ 6'	PLOT PLAN circle: Attached MISCELL. NOTES
	B.G. FENCE WELL HEAD	DW - DOUBLE WALLED DB - DOUBLE BOTTOM SIDEWALLS NOT VISIBLE
	METER SEPARATOR RUN X - S.P.D. VATION DEPRESSION; B.G. = BELOWGRADE; B = BELOW, T.H. = TEST HOLE; ~= APPROX.; BBELOWGRADE TANK LOCATION; SPD = SAMPLE POINT DESIGNATION; RW = RETAINING WALL. ONSITE: 05/06/09	MAGNETIC DECLINATION @ 13.5°E



EPA METHOD 418.1 TOTAL PETROLEUM **HYDROCARBONS**

Client:	Blagg/BP	Project #:	94034-0010
Sample ID:	95 BGT 5-pt @ 5'	Date Reported:	05-11-09
Laboratory Number:	49944	Date Sampled:	05-06-09
Chain of Custody No:	7009	Date Received:	05-07-09
Sample Matrix:	Soil	Date Extracted:	05-07-09
Preservative:	Cool	Date Analyzed:	05-07-09
Condition:	Intact	Analysis Needed:	TPH-418.1

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons

11.6

9.7

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:

Atlantic A LS 15.

Analyst

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EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Blagg/BP	Project #:	94034-0010
Sample ID:	95 BGT 5-pt @ 5'	Date Reported:	05-11-09
Laboratory Number:	49944	Date Sampled:	05-06-09
Chain of Custody No:	7009	Date Received:	05-07-09
Sample Matrix:	Soil	Date Extracted:	05-07-09
Preservative:	Cool	Date Analyzed:	05-08-09
Condition:	Intact	Analysis Requested:	8015 TPH
		맛이는 그 집에 마다 나는 아이를 하면 하면 하지만 아이들은 것이다. 그것들이 어떻게 되었다면 하다.	

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - 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:

Atlantic A LS 15

Analyst

Metrem Wasters
Review



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg/BP	Project #:	94034-0010
Sample ID:	95 BGT 5-pt @ 5'	Date Reported:	05-11-09
Laboratory Number:	49944	Date Sampled:	05-06-09
Chain of Custody:	7009	Date Received:	05-07-09
Sample Matrix:	Soil	Date Analyzed:	05-08-09
Preservative:	Cool	Date Extracted:	05-07-09
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	3.5	0.9
Toluene	8.8	1.0
Ethylbenzene	7.4	1.0
p,m-Xylene	17.5	1.2
o-Xylene	11.2	0.9
Total BTEX	48.4	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
Transaction of the second	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:

Atlantic A LS 15

Analyst

Mestly Maeters



Chloride

Client:
Sample ID:
Lab ID#:
Sample Matrix:
Preservative:
Condition:

Blagg/BP 95 BGT 5-pt @ 5' 49944 Soil Cool

Intact

Project #:
Date Reported:
Date Sampled:
Date Received:
Date Analyzed:
Chain of Custody:

05-12-09 05-06-09 05-07-09 05-08-09 7009

94034-0010

Parameter

Concentration (mg/Kg)

Total Chloride

5

Reference:

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

Comments:

Atlantic A LS 15.

Analyst

Review Western

CHAIN OF CUSTODY RECORD

7009

Client:			Project Name / I				ANALYSIS / PARAMETERS															
BLAGG /BI	9		ATLANTIC	AL	-815																1	
Client Address:			Sampler Name: J BL Client No.:	AGG					8015)	18021)	8260)	S										
Client Phone No.:			Olient No.: 94034		0	F-2-1			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion		TCLP with H/P		(118.1)	SIDE			e Cool	Sample Intact
Sample No./ Identification	Sample Date	Sample Time		S	ample //atrix	No./Volume of Containers	Present	vative	TPH (A	BTEX	VOC (I	RCRA	Cation	RC.	TCLP	PAH	TPH (418.1)	CHLORIDE			Sample Cool	Sampl
5- P6@5'	5/6/09	1505	49944	Soil Solid	Sludge Aqueous	1-403			×	×					No.		×	×			V	1
				Soil Solid	Sludge Aqueous																	
				Soil Solid	Sludge Aqueous																	
				Soil Solid	Sludge Aqueous																	
				Soil Solid	Sludge Aqueous																	
				Soil Solid	Sludge Aqueous																	
				Soil Solid	Sludge Aqueous																	
				Soil Solid	Sludge Aqueous								200					- 1-14				
				Soil Solid	Sludge Aqueous												1 3					
				Soil Solid	Sludge Aqueous																	
Relinquished by: (Sign	ature)				Date 5/7/09	Time 0945		ceive	by:	(Sign	ature)								9	Date 5-7-0	30	ime 27
Relinquished by: (Sign	atu/e)/						Rei	ceive	Tby:	(Bigh	ature))										
Relinquished by: (Sign	ature)						Red	ceive	d by:	(Sign	ature))										
						1																





EPA METHOD 418.1 TOTAL PETROLEUM HYROCARBONS QUALITY ASSURANCE REPORT

Client: Sample ID: Laboratory Number Sample Matrix: Preservative: Condition:		QA/QC QA/QC 05-06-TPH.QA/Q Freon-113 N/A N/A	QC 49938	Project #: Date Reported: Date Sampled: Date Analyzed: Date Extracted Analysis Neede		N/A 05-11-09 N/A 05-07-09 05-07-09 TPH
Calibration	I-Cal Date 05-01-09	C-Cal Date 05-07-09	I-Cal RF: 1,618	C-Cal RF: 1,750	% Difference 8.1%	Accept. Range +/- 10%
Blank Conc. (m	ig/Kg)		Concentration ND		Detection Lim	nit
Duplicate Cond	c. (mg/Kg)		Sample 31.0	Duplicate 34.9	% Difference 12.6%	Accept. Range +/- 30%
Spike Conc. (m	ng/Kg)	Sample 31.0	Spike Added 2,000	Spike Result 1,940	% Recovery 95.5%	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 49938, 49940, 49941, 49944 - 49945 and 49955 - 49957.

Analyst '

Review



EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	05-08-09 QA/QC	Date Reported:	05-11-09
Laboratory Number:	49944	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-08-09
Condition:	N/A	Analysis Requested:	TPH
	LOVE ICURE	OF ITE OF DISEASON	Assent Powe

Gasoline Range C5 - C10	05-07-07	1.0139E+003	1.0143E+003	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	9.8907E+002	9.8946E+002	0.04%	0 - 15%

Gasoline Range C5 - C10 ND	0.2
Diesel Range C10 - C28 ND	0.1
Total Petroleum Hydrocarbons ND	0.2

Duplicate Conc. (mg/kg)	Sample	Duplicate	% Difference	Accept, Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	249	99.6%	75 - 125%
Diesel Range C10 - C28	ND	250	247	98.8%	75 - 125%

ND - 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 49944 - 49945 and 49947 - 49954.

Analyst

Mustum Walters



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

N/A	Project #:	N/A
05-08-BT QA/QC	Date Reported:	05-11-09
aboratory Number: 49944		N/A
ample Matrix: Soil		N/A
N/A	Date Analyzed:	05-08-09
N/A	Analysis:	BTEX
	49944 Soil N/A	05-08-BT QA/QC Date Reported: 49944 Date Sampled: Soil Date Received; N/A Date Analyzed:

Calibration and	I-Cal RF:	C-Cal RF:	%Diff.	Blank	Defect
Detection Limits (ug/L)	Accept. Rang		je 0 - 15%	Conc	Limit
Benzene	7.4151E+006	7.4299E+006	0.2%	ND	0.1
Toluene	6.8790E+006	6.8928E+006	0.2%	ND	0.1
Ethylbenzene	6.0860E+006	6.0982E+006	0.2%	ND	0.1
p,m-Xylene	1.5765E+007	1.5797E+007	0.2%	ND	0.1
o-Xylene	5.8044E+006	5.8160E+006	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff,	Accept Range	Detect Limit
Benzene	3.5	3.4	2.9%	0 - 30%	0.9
Toluene	8.8	8.7	1.1%	0 - 30%	1.0
Ethylbenzene	7.4	7.2	2.7%	0 - 30%	1.0
p,m-Xylene	17.5	16.3	6.9%	0 - 30%	1.2
o-Xylene	11.2	10.8	3.6%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	3.5	50.0	52.2	97.6%	39 - 150
Toluene	8.8	50.0	56.4	95.9%	46 - 148
Ethylbenzene	7.4	50.0	53.0	92.3%	32 - 160
p,m-Xylene	17.5	100	113	96.3%	46 - 148
o-Xylene	11.2	50.0	59.8	97.7%	46 - 148

ND - Parameter not detected at the stated detection limit.

References:

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

December 1996

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using

Photoionization and/or Electrolytic Conductivity Detectors. SW-846, USEPA December 1996.

Comments:

QA/QC for Samples 49944 - 49945 and 49947 - 49954.

Analyst

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