<u>District I</u> 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

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 Applications. DIV DIST. 3
Type of action:  45 - 28905  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:Warren LS 12
API Number:3004528905         OCD Permit Number:
U/L or Qtr/QtrGSection24Township28NRange9WCounty:San Juan
Center of Proposed Design:       Latitude36.64966       Longitude107.73740       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: Thickness mil LLDPE HDPE PVC Other     String-Reinforced     Liner Seams: Welded Factory Other Volume: bbl Dimensions: L x W x D     String-Reinforced     String
3.
∑ Below-grade tank: Subsection I of 19.15.17.11 NMAC        Tank B
Volume:21.0bbl 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 _Single walled/double bottomed
Liner type: Thicknessmil
4.  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)  Four foot height, four strands of barbed wire evenly spaced between one and four feet  Alternate. Please specify	hospital,
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	
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.	
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 acceptant are provided below. Siting criteria does not apply to drying pads or above-grade tanks.	ptable 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
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
<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

With: 200 C + C	
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	
Wishin 200 feet of a continuously floring and the six is a second of the	
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 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 19.15.17.11 NMAC  Operating and Maintenance 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. 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 doc 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 19.15.17.10 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 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 H <sub>2</sub> 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  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 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	mucheu 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. 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	☐ 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 ☐ 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	

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
<ul> <li>Within an unstable area.</li> <li>Engineering measures incorporated into the design; NM Bureau of Geology &amp; Mineral Resources; USGS; NM Geological Society; Topographic map</li> </ul>	
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 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.  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	ef.
Name (Print): Title:	
Signature: Date:	
e-mail address:	
18.  OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)  OCD Representative Signature: Approval Date: 1/29/  Title: OCD Permit Number:	2015
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 not section of the form until an approved closure plan has been obtained and the closure activities have been completed.   Closure Completion Date:9/24/2013	
20.  Closure Method:  Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-lo ☐ If different from approved plan, please explain.	op systems only)
Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please in mark in the box, that the documents are attached.  Proof of Closure Notice (surface owner and division)  Proof of Deed Notice (required for on-site closure for private land only)  Plot Plan (for on-site closures and temporary pits)  Confirmation Sampling Analytical Results (if applicable)  Waste Material Sampling Analytical Results (required for on-site closure)  Disposal Facility Name and Permit Number  Soil Backfilling and Cover Installation	dicate, by a check

22.	
Operator Closure Certification:	
I hereby certify that the information and attachments submitted with this closu belief. I also certify that the closure complies with all applicable closure requi	
Name (Print):Jeff Peace	Title: Field Environmental Coordinator
Signature:	Date:January 6, 2015
e-mail address:peace.jeffrey@bp.com	

# BP AMERICA PRODUCTION COMPANY SAN JUAN BASIN, NORTHWEST NEW MEXICO

#### BELOW-GRADE TANK CLOSURE PLAN

# Warren LS 12 BGT Tank B (21 bbl) API No. 3004528905 Unit Letter G, Section 24, T28N, R9W

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	Release Verification	Sample
	21 bbl BGT, Tank B	(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	ND
Chlorides	US EPA Method 300.0 or 4500B	250 or background	ND

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.

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District II 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

Form C-141 Revised August 8, 2011

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

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

			Rele	ease Notific	eatio	n and Co	orrective A	ction			
						<b>OPERA</b>	ΓOR	☐ Initia	al Report 🔃 Final Report		
Name of Co						Contact: Jef					
		Court, Farmi	ngton, N	M 87401			No.: 505-326-94				
Facility Nar	me: warre	n LS 12				Facility Type: Natural gas well					
Surface Ow	ner: Triba	1		Mineral C	wner	: Tribal		API No	. 3004528905		
				LOCA	TIO	N OF RE	LEASE				
Unit Letter G	Section 24	Township 28N	Range 9W	Feet from the 1,800	Nort	h/South Line h	Feet from the 1,815	East/West Line East	County: San Juan		
		Lat	itude3	6.64966		Longitud	e107.73740_				
				NAT	URF	OF REL					
Type of Rele		w grade tank –	21 bbl T	onle D			Release: N/A  Iour of Occurrence		Recovered: N/A Hour of Discovery:		
Was Immedia			21 001, 1	alik D		If YES, To		e. Date and	Hour of Discovery:		
333.35.55			Yes	No Not Re	equirec						
By Whom?						Date and H	10001000				
Was a Watercourse Reached? ☐ Yes ☒ No						If YES, Vo	olume Impacting t	he Watercourse.			
If a Watercou	ırse was Im	pacted, Descr	ibe Fully.*	6							
				n Taken.* Sampli and chloride belov					to ensure no soil impacts from		
				en.* BGT was re active well area.	moved	and the area u	nderneath the BG	T was sampled. T	he area under the BGT was		
regulations al public health should their of or the environ	Il operators or the envi operations h nment. In a	are required to ronment. The lave failed to a	acceptance acceptance adequately OCD accep	nd/or file certain rece of a C-141 report investigate and re	elease ort by the emedia	notifications and the NMOCD mate contamination	nd perform correct arked as "Final Roon that pose a three	tive actions for rele eport" does not reli eat to ground water	uant to NMOCD rules and eases which may endanger eve the operator of liability s, surface water, human health ompliance with any other		
0	00 1	2					OIL CONS	SERVATION	DIVISION		
Signature:	966 1	sall									
Printed Name: Jeff Peace						Approved by Environmental Specialist:					
Title: Field E	nvironmen	tal Coordinato	r			Approval Dat	e:	Expiration	Date:		
E-mail Addre	ess: peace.jo	effrey@bp.cor	n			Conditions of	Approval:		Attached		
Date: January 6, 2015 Phone: 505-326-9479											

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

DD	2004520005							
CLIENT: BP		INEERING, INC. OMFIELD, NM 87413	API #: 3004528905					
		(505) 632-1199						
FIELD REPORT:	(circle one): BGT CONFIRMATION / REL	EASE INVESTIGATION / OTHER:	PAGE#:1 of1_					
SITE INFORMATION			DATE STARTED: 09/12/13					
QUAD/UNIT: G SEC: 24 TWP:			DATE FINISHED:					
1/4 -1/4/FOOTAGE: 1,800'N / 1,81 LEASE #: SF077123	<b> 5'E SW/NE</b> LEASE TYPE: PROD. FORMATION: FT CONTR	EI KHORN	AN ENVIRONMENTAL SPECIALIST(S): NJV					
REFERENCE POINT	***************************************		'3715 GL ELEV.: 5,897'					
			TANCE/BEARING FROM W.H.: 77, \$13W					
2) <b>21 BGT (SW/DB) - B</b>	GPS COORD.: 36.64	<b>1966 X 107.73740</b> DIST	TANCE/BEARING FROM W.H.: 109', S39W					
3)	GPS COORD.:		FANCE/BEARING FROM W.H.:					
	CHAIN OF CUSTODY RECORD(S) # OR LAI		FANCE/BEARING FROM W.H.:					
SAMPLING DATA:			READING (ppm)					
1) SAMPLE ID: 5 PC-TB @ 5.5' (9 2) SAMPLE ID: 5 PC-TB @ 6' (21		SAMPLETIME: 1440 LAB ANALYSIS: 4						
3) SAMPLE ID:								
4) SAMPLEID:								
SOIL DESCRIPTION		ID / SILT / SILTY CLAY / CLAY / GRAVI						
SOIL COLOR: DARK YE	OULT IN EL OF IT IS	ID/SILI/SILI/CLAF/CLAF/GRAVI	EL/OTHER					
COHESION (ALL OTHERS): NON COHESIVE SLIGHTLY CONSISTENCY (NON COHESIVE SOILS): LC MOISTURE: DRY (SLIGHTLY MOIST) MOIST / WE SAMPLE TYPE: GRAB (COMPOSITE) # DISCOLORATION/STAINING OBSERVED:	OSE/FIRM/DENSE/VERYDENSE ET/SATURATED/SUPER SATURATED OF PTS.  5		PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC  5): SOFT / FIRM / STIFF / VERY STIFF / HARD  EXPLANATION -					
ANY AREAS DISPLAYING WETNESS: YES NO	EXPLANATION -							
APPARENT EVIDENCE OF A RELEASE O ADDITIONAL COMMENTS:	BSERVED AND/OR OCCURRED: YES	NO EXPLANATION:						
SOIL IMPACT DIMENSION ESTIMATION: DEPTH TO GROUNDWATER: >100' N			ON ESTIMATION (Cubic Yards) : NA  NMOCD TPH CLOSURE STD: 1,000 ppm					
SITE SKETCH	TO W.H.	PLOT PLAN circle: attached	OVM CALIB. READ. = 53.2 ppm					
		N	TIME: 10:11 arr/pm DATE: 09/09/13					
PROD. TANK BERM			MISCELL. NOTES					
			wo: <b>N15266785</b>					
			PO#:					
WOODEN			PK: ZEVH01BGT2					
R.W.			PJ#: <b>Z2-006Q0</b> Permit date(s): <b>06/09/10</b>					
(21)			OCD Appr. date(s): 06/18/12					
PBGTL T.B. ~6			Tank OVM = Organic Vapor Meter ID ppm = parts per million					
B.G.			A BOT Sidewalls Visible. Y N					
NATES. DOT. DELONIODADE TANKED. EVOLUTTO	N DEDDECOION D.O. DELONIODADE D. CELONIO	X - S.P.D.	B BGT Sidewalls Visible: (Y) N BGT Sidewalls Visible: Y / N					
	DW-GRADE TANK LOCATION; SPD = SAMPLE POINT D	ESIGNATION; R.W. = RETAINING WALL; NA - NOT	Magnetic declination: 10° E					
APPLICABLE OR NOT AVAILABLE; SW-SINGLE TRAVEL NOTES: CALLOUT:	WALL; DW - DOUBLE WALL; SB - SINGLE BOTTOM; D	B-DOUBLE BOTTOM.  ONSITE: <b>09/12/13</b>	Magnotio deciliation. 10 L					

#### **Analytical Report**

#### Lab Order 1309738

Date Reported: 9/24/2013

#### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Blagg Engineering

Client Sample ID: 5PC-TB @ 6' (21)-B

Project: WARREN LS #12

Collection Date: 9/12/2013 12:55:00 PM

Lab ID: 1309738-002 Matrix: SOIL

Received Date: 9/18/2013 10:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE	ORGANICS				Analyst	BCN
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	9/20/2013 1:02:14 AM	9364
Surr: DNOP	76.9	63-147	%REC	1	9/20/2013 1:02:14 AM	9364
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	9/19/2013 4:40:47 PM	9377
Surr: BFB	102	80-120	%REC	1	9/19/2013 4:40:47 PM	9377
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.046	mg/Kg	1	9/19/2013 4:40:47 PM	9377
Toluene	ND	0.046	mg/Kg	1	9/19/2013 4:40:47 PM	9377
Ethylbenzene	ND	0.046	mg/Kg	1	9/19/2013 4:40:47 PM	9377
Xylenes, Total	ND	0.093	mg/Kg	1	9/19/2013 4:40:47 PM	9377
Surr: 4-Bromofluorobenzene	114	80-120	%REC	1	9/19/2013 4:40:47 PM	9377
EPA METHOD 300.0: ANIONS					Analyst	SRM
Chloride	ND	1.5	mg/Kg	1	9/19/2013 12:23:26 PM	9401
EPA METHOD 418.1: TPH					Analyst	JME
Petroleum Hydrocarbons, TR	ND	20	mg/Kg	1	9/19/2013	9380

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- 0 RSD is greater than RSDlimit
- RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Sample pH greater than 2 for VOA and TOC only P
- Reporting Detection Limit

#### Hall Environmental Analysis Laboratory, Inc.

WO#:

1309738

24-Sep-13

Client:

Blagg Engineering

Project:

WARREN LS #12

Sample ID MB-9401

SampType: MBLK

TestCode: EPA Method 300.0: Anions

Client ID: **PBS** 

Batch ID: 9401

RunNo: 13493

Prep Date: 9/19/2013

Analysis Date: 9/19/2013

PQL

1.5

SeqNo: 383852

Units: mg/Kg

Qual

Analyte Chloride

Result ND SPK value SPK Ref Val %REC LowLimit

HighLimit

%RPD **RPDLimit** 

Sample ID LCS-9401

SampType: LCS Batch ID: 9401

TestCode: EPA Method 300.0: Anions RunNo: 13493

Prep Date: 9/19/2013

Client ID: LCSS

Analysis Date: 9/19/2013

SeqNo: 383853

Units: mg/Kg

Qual

Analyte

Result

SPK value SPK Ref Val 15.00

0

LowLimit

%RPD

Chloride

PQL 1.5

%REC 95.2

HighLimit

**RPDLimit** 

14

110

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range Analyte detected below quantitation limits
- RSD is greater than RSDlimit 0
- R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits

H

- Analyte detected in the associated Method Blank
- Sample pH greater than 2 for VOA and TOC only. P
- Reporting Detection Limit

Holding times for preparation or analysis exceeded Not Detected at the Reporting Limit Page 3 of 7

# Hall Environmental Analysis Laboratory, Inc.

WO#:

1309738

24-Sep-13

Client:

Blagg Engineering

Project:

WARREN LS #12

Sample ID MB-9380

SampType: MBLK

TestCode: EPA Method 418.1: TPH

Client ID:

PBS

Batch ID: 9380

RunNo: 13482

Prep Date: 9/18/2013 Analysis Date: 9/19/2013

SeqNo: 383572

Units: mg/Kg

Analyte

Result PQL

HighLimit

%RPD **RPDLimit** 

Qual

Petroleum Hydrocarbons, TR Sample ID LCS-9380

LCSS

9/18/2013

ND

SampType: LCS

TestCode: EPA Method 418.1: TPH

SPK value SPK Ref Val %REC LowLimit

Batch ID: 9380

20

RunNo: 13482

Units: mg/Kg

Analyte

Client ID:

Client ID:

Prep Date:

Analysis Date: 9/19/2013 PQL

SeqNo: 383573 %REC

Qual

Petroleum Hydrocarbons, TR

100.0

89.8

80

HighLimit 120 **RPDLimit** 

Sample ID LCSD-9380

Result

90

97

SampType: LCSD

20

TestCode: EPA Method 418.1: TPH

LowLimit

Prep Date:

LCSS02 9/18/2013 Batch ID: 9380

Analysis Date: 9/19/2013

RunNo: 13482 SeqNo: 383574

Units: mg/Kg

Qual

Analyte Petroleum Hydrocarbons, TR

PQL

20

SPK value SPK Ref Val 0

%REC 96.7

LowLimit

HighLimit

%RPD

%RPD

**RPDLimit** 

20

100.0

SPK value SPK Ref Val

80

120

7.38

Qualifiers:

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

Analyte detected below quantitation limits

0 RSD is greater than RSDlimit

R RPD outside accepted recovery limits

Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Reporting Detection Limit

Page 4 of 7

Spike Recovery outside accepted recovery limits S

В Analyte detected in the associated Method Blank

P Sample pH greater than 2 for VOA and TOC only.

#### Hall Environmental Analysis Laboratory, Inc.

WO#:

1309738

24-Sep-13

Client: Project: Blagg Engineering

Sample ID

WARREN LS #12

MB-9399

SampType: MBLK

TestCode: EPA Method 8015D: Diesel Range Organics

PBS

Batch ID: 9399

RunNo: 13476

Prep Date: 9/19/2013 Analysis Date: 9/19/2013

SeqNo: 384188

Units: %REC

Analyte Surr: DNOP

Client ID:

Result 8.5 SPK value SPK Ref Val %REC LowLimit

HighLimit

**RPDLimit** Qual

Sample ID LCS-9399

SampType: LCS

TestCode: EPA Method 8015D: Diesel Range Organics

%RPD

%RPD

%RPD

Client ID: LCSS 9/19/2013 Batch ID: 9399

RunNo: 13476

Units: %REC

Prep Date:

Analysis Date: 9/19/2013

PQL

SeqNo: 384189

Analyte

Result PQL

SPK value SPK Ref Val %REC LowLimit

HighLimit

%RPD **RPDLimit** 

Surr: DNOP

4.5

5.000

10.00

10.00

89.0

TestCode: EPA Method 8015D: Diesel Range Organics

Qual

Client ID:

Sample ID MB-9364 PBS

SampType: MBLK

Batch ID: 9364

RunNo: 13476

Units: mg/Kg

147

Analyte Diesel Range Organics (DRO)

Prep Date: 9/18/2013 Analysis Date: 9/19/2013

Result

ND

SeqNo: 384229 SPK value SPK Ref Val %REC

LowLimit

63

HighLimit

147

**RPDLimit** Qual

Surr: DNOP

6.9 SampType: LCS

TestCode: EPA Method 8015D: Diesel Range Organics

Sample ID LCS-9364 Client ID: LCSS

Batch ID: 9364

PQL

PQL

10

RunNo: 13476

68 7

128

147

Prep Date:

Analysis Date: 9/19/2013 9/18/2013

SeqNo: 384230

Units: mg/Kg

Qual

Analyte Diesel Range Organics (DRO) Surr: DNOP

41 3.8

Result

7.0

Result

10 50.00 5.000

SPK value

10.00

SPK value SPK Ref Val %REC LowLimit 83.0

76.6

HighLimit

**RPDLimit** 

Sample ID MB-9414

SampType: MBLK Batch ID: 9414

RunNo: 13509

%REC

69.6

TestCode: EPA Method 8015D: Diesel Range Organics

LowLimit

63

77.1

63

Prep Date: Analyte

Client ID: PBS

9/20/2013

Analysis Date: 9/20/2013

0

SPK Ref Val

SeqNo: 384395

Units: %REC

HighLimit

147

%RPD

**RPDLimit** Qual

Surr: DNOP

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range Analyte detected below quantitation limits
- 0 RSD is greater than RSDlimit R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits
- Holding times for preparation or analysis exceeded H
- Not Detected at the Reporting Limit P Sample pH greater than 2 for VOA and TOC only.
- Reporting Detection Limit

Analyte detected in the associated Method Blank

Page 5 of 7

## Hall Environmental Analysis Laboratory, Inc.

WO#:

1309738

24-Sep-13

Client:

Blagg Engineering

Project:

WARREN LS #12

Cample ID	I CS 9277	SampType: LCS TootCode: EDA Method 904ED: Coccline Dange									
Surr: BFB		980		1000		98.1	80	120			
Gasoline Rang	e Organics (GRO)	ND	5.0								
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Prep Date:	9/18/2013	Analysis D	ate: 9/	19/2013	S	SeqNo: 3	84013	Units: mg/K	(g		
Client ID:	PBS	Batch	ID: 93	77	F	tunNo: 1	3484				
Sample ID	MB-9377	SampType: MBLK			Tes	TestCode: EPA Method 8015D: Gasoline Range					

Sample ID LCS-9377	SampType: L	CS	Test	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: LCSS	Batch ID: 9:	377	R	RunNo: 1	3484				
Prep Date: 9/18/2013	Analysis Date: 9	/19/2013	S	SeqNo: 3	84014	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	<b>RPDLimit</b>	Qual
Gasoline Range Organics (GRO)	23 5.0	25.00	0	91.5	74.5	126			
Surr: BFB	1100	1000		110	80	120			

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

Page 6 of 7

# Hall Environmental Analysis Laboratory, Inc.

WO#:

1309738

24-Sep-13

Client:

Blagg Engineering

Project:

WARREN LS #12

Sample ID MB-9377	Samp7	ype: ME	BLK	Tes						
Client ID: PBS	Batcl	n ID: 93	77	F	RunNo: 1	3484				
Prep Date: 9/18/2013	Analysis D	)ate: 9/	19/2013	SeqNo: 384042			Units: mg/K			
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit			LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		110	80	120			

Sample ID LCS-9377	SampT	ype: LC	S	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 9377 RunNo: 13484											
Prep Date: 9/18/2013	Analysis D	ate: 9/	19/2013	S	SeqNo: 3	84043	Units: mg/K					
Analyte	Result PQL SPK value				%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	1.0	0.050	1.000	0	102	80	120					
Toluene	0.97	0.050	1.000	0	96.8	80	120					
Ethylbenzene	0.97	0.050	1.000	0	97.0	80	120					
Xylenes, Total	3.0	0.10	3.000	0	99.7	80	120					
Surr: 4-Bromofluorobenzene	1.2		1.000		121	80	120			S		

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

Page 7 of 7



4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

# Sample Log-In Check List

Client Name: BLAG	G	Work Order Numb		RcptNo	: 1			
Received by/date:	m AG09	118/13		,				
Logged By: Anne	Thorne	9/18/2013 10:00:00	AM		anne _	Am	_	
Completed By: Anne	Thorne	9/18/2013				Am		
Reviewed By:	ma /	8-09/18/	Olana J	,		Ì		
Chain of Custody	10	() 011.0			AHL N			
1. Custody seals intac	t on sample bottles?		Yes		No		Not Present	
2. Is Chain of Custody complete?				<b>V</b>	No		Not Present	
3. How was the sample delivered?				rier				
Log In								
4. Was an attempt ma	ade to cool the samples?		Yes	<b>V</b>	No		NA 🗆	
5. Were all samples re	eceived at a temperature	of >0° C to 6.0°C	Yes	<b>V</b>	No [		NA 🗆	
6. Sample(s) in proper	r container(s)?		Yes	<b>V</b>	No			
7. Sufficient sample vo	Yes	<b>✓</b>	No					
8. Are samples (excep	t VOA and ONG) proper	ly preserved?	Yes	<b>V</b>	No			
9. Was preservative ac	dded to bottles?		Yes		No	<b>V</b>	NA 🗌	
10.VOA vials have zero	headspace?		Yes		No		No VOA Vials	
11. Were any sample c	ontainers received broke	en?	Yes		No	<b>V</b>	# of processed	-
							# of preserved bottles checked	
12. Does paperwork ma	atch bottle labels? on chain of custody)		Yes	<b>V</b>	No		for pH:	or >12 unless noted)
13. Are matrices correct		Custody?	Yes	<b>~</b>	No		Adjusted?	
14. Is it clear what analy		,	Yes	~	No			
15. Were all holding tim			Yes	V	No		Checked by:	
(If no, notify custom	er for authorization.)							
Special Handling (i	if annlicable)							
16. Was client notified of		his order?	Yes		No		NA 🗸	
						_		
Person Notifie  By Whom:	1	Date Via:	 ☐ eMa	sii 🗀	Phone	Eav	In Person	
Regarding:		via.	CIVIC	all	Flione	гах	L III Felson	
Client Instruct	ions:				AND SECTION ASSESSMENT OF THE PARTY OF THE P			
17. Additional remarks:	,			_				
18. Cooler Information Cooler No Ter		eal Intact   Seal No	Seal Da	ate	Signed B	уΙ		
1 1.4	Good Yes				**************************************	]		

<b>Unain-of-Custody Record</b>			Tuni-Albuna Title.					т.	Н	IA		E	N	/TE	20	BII	ME	RIT	ra!		
Client: BLAGG ENGR. / BP AMERICA			Standard Rush														RA				
				Project Name:				www.hallenvironmental.com													
Mailing Address: P.O. BOX 87			WARREN LS # 12				4901 Hawkins NE - Albuquerque, NM 87109														
BLOOMFIELD, NM 87413			Project #:			Tel. 505-345-3975 Fax 505-345-4107															
Phone #: (505) 632-1199			1					Analysis Request													
email or Fax#:			Project Manager:				9,0												$\Box$		
QA/QC Package:  Standard Level 4 (Full Validation)			NELSON VELEZ				+ TPH (Gas only)	/www			(5)		05,400	PCB's			er - 300.1)			e	
Accreditation:			Sampler: NELSON VELEZ QUI					/ DRO /	1	1)	OSIN		102,	8082			/ water			ldmi	
□ NELAP		☐ Other		Onice: WYes I No					0	418	504	827	S	03,1	-		(AC	0.00			te sa
□ EDD (Type)		Sample Temp	erature:		ŧ	BE +	(GR	hod	hod	) or	etal	C,N	icide	A	ni-V	oil-3		ble	posit		
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO.	BTEX +-PATE	BTEX + MTBE	TPH 8015B (GRO	TPH (Method 418.1)	EDB (Method 504.1)	PAH (8310 or 8270SIMS)	RCRA 8 Metals	Anions (F,Cl,NO <sub>3</sub> ,NO <sub>2</sub> ,PO <sub>4</sub> ,SO <sub>4</sub> )	8081 Pesticides	8260B (VOA)	8270 (Semi-VOA)	Chloride (soil - 300.0		Grab sample	5 pt. composite sample
9/12/13	1440	SOIL	5PC-TD @ 5.5' (95) A	4 oz 2	Cool	-00	V		٧	V								٧	-		٧
9/12/13	1255	SOIL	5PC-TB @ 6' (21)-B	4 oz 2	Cool	-702	٧		٧	٧								٧			٧
																				_	
Date: 9/17/B			Received by:  Date Time 9/17/13 827			Remarks:  BILL DIRECTLY TO BP:  Jeff Peace, 200 Energy Court, Farmington, NM 87401															
Date:	Date: Time: Relinquished by: () 1713 1741 Annutus Daula			Received by:	accordited leboratoric	Date Time	Work Order: N15266785 Paykey: ZEVH01BGT2														
	If necessa	" ) ( samples s	abilities to their Environmental may be s	and the same	acordina indoratorie	o. The serves as notice o	una L	MUSSICI	14. VIII	A PUD-	-COLIET	arite()	CIPIN V	W.141 L 350g	, apprill						140



