For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office. For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Pit, Below-Grade Tank, or
Proposed Alternative Method Permit or Closure Plan Application
$\begin{array}{c} \underline{\text{Pit, Below-Grade Tank, or}} \\ \hline 1989 \\ 45-24259 \\ \hline 45-24259 \\ \hline \\ $
45-2425 Permit of a pit or proposed alternative method $\Box$ Closure of a pit, below-grade tank, or proposed alternative method
$\square$ 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 Company OGRID #: 778 OGRID #: 778
Address:200 Energy Court, Farmington, NM 87401
Facility or well name:Gallegos Canyon Unit 221E
API Number:        3004524259         OCD Permit Number:
Operator: BP America Production CompanyOGRID #:778         Address:200 Energy Court, Farmington, NM 87401         Facility or well name:Gallegos Canyon Unit 221E         OIL CONS. DIV DIST. 3         API Number:3004524259         OCD Permit Number:31         OCD Permit Number:         Section31
Center of Proposed Design: Latitude36.67798 Longitude108.13397 NAD: □1927 ⊠ 1983
Surface Owner: 🔲 Federal 🛄 State 🖾 Private 🔲 Tribal Trust or Indian Allotment
2.
Pit: Subsection F, G or J of 19.15.17.11 NMAC
Temporary: Drilling Workover
Permanent Emergency Cavitation P&A Multi-Well Fluid Management Low Chloride Drilling Fluid yes no
Lined Unlined Liner type: Thickness mil LLDPE HDPE PVC Other
String-Reinforced
Liner Seams: Welded Factory Other Volume: bbl Dimensions: L x W x D
3. Tenle A
Below-grade tank: Subsection I of 19.15.17.11 NMAC Tank A
Volume:95.0bbl Type of fluid:Produced water
Tank Construction material:Steel
Secondary containment with leak detection 🗌 Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
🗌 Visible sidewalls and liner 🔲 Visible sidewalls only 🖾 Other _Single walled/double bottomed side walls not visible
Liner type: Thicknessmil 🗌 HDPE 📄 PVC 🛄 Other
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.
Submittal of an exception request is required. Exceptions must be submitted to the Santa re Environmental Buleau office for consideration of approval.

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<ul> <li>Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)</li> <li>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)</li> <li>Four foot height, four strands of barbed wire evenly spaced between one and four feet</li> <li>Alternate. Please specify</li> </ul>	hospital,
<ul> <li>6.</li> <li>Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)</li> <li>Screen Netting Other</li> <li>Monthly inspections (If netting or screening is not physically feasible)</li> </ul>	
<ul> <li>7.</li> <li>Signs: Subsection C of 19.15.17.11 NMAC</li> <li>12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers</li> <li>Signed in compliance with 19.15.16.8 NMAC</li> </ul>	
<ul> <li><u>Variances and Exceptions</u>:         Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.     </li> <li><i>Please check a box if one or more of the following is requested, if not leave blank:</i>         Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.     </li> <li>Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.</li> </ul>	
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 acce material 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	□ Yes □ No □ NA
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
<ul> <li>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)</li> <li>Written confirmation or verification from the municipality; Written approval obtained from the municipality</li> </ul>	🗌 Yes 🗌 No
<ul> <li>Within the area overlying a subsurface mine. (Does not apply to below grade tanks)</li> <li>Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division</li> </ul>	🗌 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	
<ul> <li>Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark).</li> <li>Topographic map; Visual inspection (certification) of the proposed site</li> </ul>	🗌 Yes 🗌 No
<ul> <li>Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;.</li> <li>NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site</li> </ul>	Yes 🗋 No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
<ul> <li>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.)</li> <li>Topographic map; Visual inspection (certification) of the proposed site</li> </ul>	Yes No

Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial	Yes No
application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	Yes No
<ul> <li>Within 100 feet of a wetland.</li> <li>US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site</li> </ul>	🗋 Yes 🗌 No
Temporary Pit Non-low chloride drilling fluid	
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).	
- Topographic map; Visual inspection (certification) of the proposed site	🗌 Yes 🗌 No
<ul> <li>Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.</li> <li>Visual inspection (certification) of the proposed site; Aerial photo; Satellite image</li> </ul>	Yes No
<ul> <li>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;</li> <li>NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site</li> </ul>	🗌 Yes 🗌 No
<ul> <li>Within 300 feet of a wetland.</li> <li>US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site</li> </ul>	🗋 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
<ul> <li>Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.</li> <li>Visual inspection (certification) of the proposed site; Aerial photo; Satellite image</li> </ul>	🗌 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	
<ul> <li>initial application.</li> <li>NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site</li> </ul>	🗌 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
<sup>10.</sup> <u>Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist</u> : 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.	
<ul> <li>Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC</li> <li>Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9</li> <li>Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC</li> <li>Design Plan - based upon the appropriate requirements of 19.15.17.12 NMAC</li> <li>Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC</li> <li>Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.</li> </ul>	
and 19.15.17.13 NMAC  Previously Approved Design (attach copy of design) API Number: or Permit Number:	
<u>Multi-Well Fluid Management Pit Checklist</u> : 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
<ul> <li>Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC</li> <li>Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC</li> <li>A List of wells with approved application for permit to drill associated with the pit.</li> <li>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</li> <li>In discrete plate based upon the requirements of Paragraph (4) of Subsection P of 10.15.17.0 NMAC</li> </ul>	15.17.9 NMAC
<ul> <li>Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC</li> <li>Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC</li> </ul>	
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	
<b>Instructions:</b> 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.	
<ul> <li>Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC</li> <li>Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC</li> </ul>	
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	
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	
<ul> <li>Emergency Response Plan</li> <li>Oil Field Waste Stream Characterization</li> </ul>	
Monitoring and Inspection Plan	
Erosion Control Plan	
Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC	
13. Deserved Clearner, 10, 15, 17, 12, NMAC	
<b>Proposed Closure:</b> 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)	
<ul> <li>On-site Closure Method (Only for temporary pits and closed-loop systems)</li> </ul>	
In-place Burial On-site Trench Burial	
Alternative Closure Method	
14. Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be	attached to the
closure plan. Please indicate, by a check mark in the box, that the documents are attached.	unucheu io ine
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	
<ul> <li>Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)</li> <li>Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC</li> </ul>	
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	
15.	
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC	
Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable sour provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. P	
provided below. Requests regarding changes to certain string criteria require justifications and/or demonstrations of equivalency. F 19.15.17.10 NMAC for guidance.	leuse rejer lo
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
<ul> <li>Ground water is between 25-50 feet below the bottom of the buried waste</li> <li>NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells</li> </ul>	
<ul> <li>Ground water is more than 100 feet below the bottom of the buried waste.</li> <li>NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells</li> </ul>	$\square$ Yes $\square$ 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).	🗌 Yes 🗌 No
- Topographic map; Visual inspection (certification) of the proposed site	
Within 300 feet from a 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 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence	🗌 Yes 🗌 No
at the time of initial application.	
- NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	
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	
within meorporated municipal boundaries of within a defined municipal fresh water wen 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
<ul> <li>Within the area overlying a subsurface mine.</li> <li>Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division</li> </ul>	🔲 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</li> </ul>	
Society; Topographic map	🗍 Yes 🗌 No
Within a 100-year floodplain. - FEMA map	🗌 Yes 🗌 No
<ul> <li>16.</li> <li>On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure play a check mark in the box, that the documents are attached.</li> <li>Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC</li> <li>Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC.</li> <li>Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17.</li> <li>Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.</li> <li>Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC</li> <li>Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC</li> <li>Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC</li> <li>Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards canned Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC</li> <li>Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC</li> <li>Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC</li> </ul>	11 NMAC 15.17.11 NMAC
17.	· · · · · · · · · · · · · · · · · · ·
Operator Application Certification: I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and beli	, of
Name (Print): Title:	
	<u>.</u>
Signature: Date:	<u>.</u>
Signature: Date:   e-mail address: Telephone:   B. Telephone:     OCD Approval: Permit Application (including closure plant)     Is.   OCD Conditions (see attachment)	
Signature: Date:   e-mail address: Telephone:   I8. OCD Approval:   OCD Approval: Permit Application (including closure plant)   I8. OCD Representative Signature:     OCD Representative Signature:	
Signature: Date:   e-mail address: Telephone:   B. Telephone:     OCD Approval: Permit Application (including closure plant)     Is.   OCD Conditions (see attachment)	
Signature:       Date:         e-mail address:       Telephone:         "R.       OCD Approval:       Permit Application (including closure plant X)       Closure Plan (only)       OCD Conditions (see attachment)         OCD Representative Signature:	1he closure report.
Signature:       Date:         e-mail address:       Telephone:         Is.       OCD Approval:       Permit Application (including closure plant Including closure Plant (only)       OCD Conditions (see attachment)         OCD Representative Signature:       OCD Permit Number:       Approval Date: 7/14/2         Title:       OCD Permit Number:       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 submitting The closure report is required to the division within 60 days of the completion of the closure activities.	1he closure report.
Signature:       Date:         e-mail address:       Telephone:         "R.       OCD Approval:       Permit Application (including closure plant X)       Closure Plan (only)       OCD Conditions (see attachment)         OCD Representative Signature:	DIG the closure report. complete this

22. Operator Closure Certification:	
	this closure report is true, accurate and complete to the best of my knowledge and sure requirements and conditions specified in the approved closure plan.
Name (Print):Jeff Peace	Title: Area Environmental Advisor
Signature: Sff Pone	Date:June 24, 2014
e-mail address:peace.jeffrey@bp.com	Telephone:(505) 326-9479

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

#### BELOW-GRADE TANK CLOSURE PLAN

#### <u>Gallegos Canyon Unit 221E</u> <u>API No. 3004524259</u> <u>Unit Letter P, Section 31, T29N, R12W</u>

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

 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 sent. This work was done as part of the Gallup recompletion project and was not done through the current ongoing BGT replacement and removal project. Therefore, the BP personnel responsible for submitting the notice were not aware this BGT was going to be removed. BP personnel are aware of this issue and will work to make sure any BGT removal and closure is properly noticed.

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 sent. This work was done as part of the Gallup recompletion project and was not done through the current and ongoing BGT replacement and removal project. Therefore, the BP personnel responsible for submitting the notice were not aware this BGT was going to be removed. BP personnel are aware of this issue and will work to make sure any BGT removal and closure is properly noticed.

- 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.

- BP shall remove any on-site equipment associated with a BGT unless the equipment is required for well production.
   All equipment associated with the BGT has been removed.
- 6. BP shall test the soils beneath the BGT to determine whether a release has occurred. BP shall collect at a minimum: a five (5) point composite sample and individual grab samples from any area that is wet, discolored or showing other evidence of a release and analyze for BTEX, TPH and chlorides. The testing methods for those constituents are as follows:

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

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.

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

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

Form C-141

			Rel	ease Notific	catior	n and Co	orrective A	ction				
						<b>OPERA</b>	ſOR	[	Initia	al Report	$\boxtimes$	Final Report
Name of Co	mpany: B	Р				Contact: Jef	f Peace					
Address: 20	0 Energy	Court, Farmi	ngton, N	M 87401		Telephone No.: 505-326-9479						
Facility Nar	ne: Galleg	os Canyon U	Jnit 221E	,		Facility Type: Natural gas well						
Surface Ow	ner: Privat	e		Mineral C	)wner:	Federal			API No	. 30045242	.59	
				LOCA	TIOT	N OF REI	LEASE					
Unit Letter P	Section 31	Township 29N	Range 12W	Feet from the 855		South Line	Feet from the 950	East/We East	est Line	County: Sa	ın Juan	
	I	Lati	tude_3	6.67798		_ Longitude	e108.13397			L <u></u>		
				NAT	URE	OF RELI	EASE					
Type of Relea	ise: none						Release: N/A		Volume R	lecovered: N	/A	
Source of Rel	ease: belov	v grade tank –	95 bbl			Date and H N/A	our of Occurrenc	e:	Date and I	Hour of Disc	covery:	N/A
Was Immedia	ite Notice C		····			If YES, To	Whom?					
			Yes	No 🛛 Not Re	equired							
By Whom?						Date and H						
Was a Watero	course Read		Yes 🛛	No		IFYES, Vo	lume Impacting t	he Watero	course.			
If a Watercou	rse was Im	pacted, Descri	be Fully.*									
							the BGT was dor is results are attac		removal t	o ensure no	soil imp	pacts from
				en.* BGT was ren ctive well area.	moved a	nd the area u	nderneath the BG	T was sar	npled. Th	ne excavated	area w	35
regulations al public health should their o	l operators or the envir perations h iment. In a	are required to conment. The ave failed to a ddition, NMO	o report an acceptanc dequately CD accep	d/or file certain re e of a C-141 repo investigate and re	elease no rt by the emediate	otifications ar NMOCD ma contamination	knowledge and un d perform correct arked as "Final Re on that pose a three e the operator of r	tive action eport" doc eat to grou	ns for rele es not reli- und water	ases which t eve the opera , surface wat	nay end ator of l er, hun	langer liability nan health
		0					OIL CONS	SERVA	TION	<u>DIVISIO</u>	<u>N</u>	
Signature:	Sff	Vace	-									
Printed Name	: Jeff Peace	;			/	Approved by	Environmental Sp	pecialist:		AT 12 11		
Title: Area Er	vironmenta	al Advisor			/	Approval Dat	e:	Ex	piration I	Date:		
E-mail Addre	ss: peace.je	ffrey@bp.con	n		(	Conditions of	Approval:			Attached		

\* Attach Additional Sheets If Necessary

Date: June 24, 2014

Phone: 505-326-9479

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County: San Juan
Р	31	29N	12W	855	South	950	East	-

CLIÈNT: BP	BLAGG ENG P.O. BOX 87, BLO (505) 6			API #: <b>300</b> TANK ID (if applicble):	
FIELD REPORT:	(circle one): BGT CONFIRMATION / RELE	ASE INVESTIGATION	/ OTHER:	PAGE #:	1of
SITE INFORMATION QUAD/UNIT: P SEC: 31 TWP: 1/4 -1/4/FOOTAGE: 855'S / 950'E		M CNTY: S	J st: NM	DATE STARTED: DATE FINISHED:	04/10/14
LEASE #: SF078109	PROD. FORMATION: DK CONTR	ELKHOI ACTOR: MBF - D	RN D. HAGA	ENVIRONMENTAL SPECIALIST(S):	NJV
1) <b>95 BGT (SW/DB)</b> 2) 3)	GPS COORD.: GPS COORD.:	798 X 108.1339	7 DISTANCE/BE/ DISTANCE/BE/ DISTANCE/BE/	RING FROM W.H.: RING FROM W.H.: RING FROM W.H.:	137', S76E
SAMPLING DATA:	GPS COORD.: CHAIN OF CUSTODY RECORD(S) # OR LAB				OVM READING
1) SAMPLE ID:       5 PC - TB @ 5'         2) SAMPLE ID:	(95) SAMPLE DATE: 04/10/14 SAMPLE DATE: SAMPLE DATE:	SAMPLE TIME: SAMPLE TIME: SAMPLE TIME:	D LAB ANALYSIS: 418.1/8 LAB ANALYSIS: LAB ANALYSIS:		(ppm)
SOIL DESCRIPTION					
COHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY CONSISTENCY (NON COHESIVE SOILS): LO MOISTURE: DRY / SLIGHTLY MOIST / WE SAMPLE TYPE: GRAB COMPOSITE # DISCOLORATION/STAINING OBSERVED: YES N SITE OBSERVATION APPARENT EVIDENCE OF A RELEASE OBSERVED EQUIPMENT SET OVER RECLAIMED AREA: OTHER: SURFACE EQUIPMENT BEING S WASH IN WSW DIRECTION.	OSE / FIRM/ DENSE / VERY DENSE IT / SATURATED / SUPER SATURATED OF PTS. 5 EXPLANATION - S: LOST INTEGRITY OF EQUIPMENT: YES D AND/OR OCCURRED : YES NO EXPLANATION YES / NO EXPLANATION - UNKNOWN AT STRIPPED IN PREPARATION FOR GAS	NOR DETECTED: YES REAS DISPLAYING WETH NO EXPLANATION - NI: T THIS TIME. WELL RECOMPLET	S & SILTS): SOFT / FIRM / NO EXPLANATION - NESS: YES / NO EXPLAN TE. DOWN SLOPE DI	NATION - HYDROVA	
SOIL IMPACT DIMENSION ESTIMATION: DEPTH TO GROUNDWATER: >100' NO		X <u>NA</u> ft. AREST SURFACE WATE		FIMATION (Cubic Yar	F 000
	BGT Located : off on site BERM PROD. TANK		circle: attached OW N TIME DOWN SLOPE DIRECTION PBGTL B. ~ 5" B.G.	CALIB. READ. = <u>N</u> CALIB. GAS = <u>N</u> <u>NA</u> am/pm D <u>MISCELL.</u> /O: O #: K: <u>ZDCS01</u> J #: <u>X5-005N</u> ermit date(s):	Appm <u>RF = 0.52</u> Appm ATE: <u>NA</u> NOTES GEN1 IJ-C 06/08/10
	DW-GRADE TANK LOCATION; SPD = SAMPLE POINT DE WALL; DW - DOUBLE WALL; SB - SINGLE BOTTOM; DE	H. = TEST HOLE; ~ = APPRC SIGNATION; R.W. = RETAINI - DOUBLE BOTTOM.	PARATOR		Vapor Meter r million ble: Y / N ble: Y / N ble: Y / N

Analytical Report
Lab Order 1404677

Date Reported: 4/22/2014

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

GCU # 221E

1404677-001

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Project: Lab ID:

#### Client Sample ID: 5PC - TB @ 5' (95) Collection Date: 4/10/2014 1:20:00 PM Received Date: 4/15/2014 9:57:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS				Analyst	BCN
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	4/17/2014 11:31:25 PN	1 12726
Surr: DNOP	93.3	57.9-140	%REC	1	4/17/2014 11:31:25 PN	1 12726
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	4/17/2014 5:36:56 AM	12717
Surr: BFB	90.7	74.5-129	%REC	1	4/17/2014 5:36:56 AM	12717
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.048	mg/Kg	1	4/17/2014 5:36:56 AM	12717
Toluene	ND	0.048	mg/Kg	1	4/17/2014 5:36:56 AM	12717
Ethylbenzene	ND	0.048	mg/Kg	1	4/17/2014 5:36:56 AM	12717
Xylenes, Total	ND	0.097	mg/Kg	1	4/17/2014 5:36:56 AM	12717
Surr: 4-Bromofluorobenzene	108	80-120	%REC	1	4/17/2014 5:36:56 AM	12717
EPA METHOD 300.0: ANIONS					Analyst	: JRR
Chloride	ND	30	mg/Kg	20	4/18/2014 11:57:01 AM	12780
EPA METHOD 418.1: TPH					Analyst	JME
Petroleum Hydrocarbons, TR	ND	20	mg/Kg	1	4/18/2014 12:00:00 PM	12725

Matrix: SOIL

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Metho	od Blank					
	E	Value above quantitation range	Н	Holding times for preparation or analysis exceeded						
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 1 of 6					
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2.						
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit						
	S	Spike Recovery outside accepted recovery limits								

Client:Blagg EngineeringProject:GCU # 221E

Sample ID MB-12780	SampType: MBLK	300.0: Anions			
Client ID: PBS	Batch ID: 12780	RunNo: 18105			
Prep Date: 4/18/2014	Analysis Date: 4/18/2014	SeqNo: 522731	Units: mg/Kg		
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit	Qual
Chloride	ND 1.5		· · · · · · · · · · · · · · · · · · ·		
Chloride  Sample ID LCS-12780	ND 1.5 SampType: L <b>CS</b>	TestCode: EPA Method	300.0: Anions		
Sample ID LCS-12780		TestCode: EPA Method RunNo: 18105	300.0: Anions		
Sample ID LCS-12780 Client ID: LCSS	SampType: LCS		300.0: Anions Units: mg/Kg		
Client ID: LCSS	SampType: LCS Batch ID: 12780 Analysis Date: 4/18/2014	RunNo: <b>18105</b>		RPDLimit	Qual

#### 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.
- RL Reporting Detection Limit

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WO#: 1404677

22-Apr-14

WO#: 1404677

22-Apr-14

	Engineering				
Project: GCU	# 221E				
Sample ID MB-12725	SampType: MBLK	TestCode: EPA Method	I 418.1: TPH	· · · ·	
Client ID: PBS	Batch ID: 12725	RunNo: 18086			
Prep Date: 4/15/2014	Analysis Date: 4/18/2014	SeqNo: 522085	Units: <b>mg/Kg</b>		
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND 20				
Sample ID LCS-12725	SampType: LCS	TestCode: EPA Method	418.1: TPH	· · · · · · · · · · · · · · · · · · ·	
Client ID: LCSS	Batch ID: 12725	RunNo: 18086			
Prep Date: 4/15/2014	Analysis Date: 4/18/2014	SeqNo: 522086	Units: <b>mg/Kg</b>		
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	91 20 100.0	0 90.9 80	120		
Sample ID LCSD-12725	SampType: LCSD	TestCode: EPA Method	418.1: TPH		
Client ID: LCSS02	Batch ID: 12725	RunNo: 18086			
Prep Date: 4/15/2014	Analysis Date: 4/18/2014	SeqNo: 522087	Units: mg/Kg		
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	99 20 100.0	0 99.1 80	120 8.61	20	

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.
- RL Reporting Detection Limit

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Client:Blagg EngineeringProject:GCU # 221E

Sample ID MB-12726	SampT	SampType: MBLK TestCode: EPA Method 8				8015D: Dies	el Range (	Organics		
Client ID: PBS	Batch	Batch ID: 12726 RunNo: 18017								
Prep Date: 4/15/2014	Analysis D	ate: 4/	17/2014	SeqNo: 521794 U			Units: <b>mg/F</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO) Surr: DNOP	ND 8.4	10	10.00		84.4	57.9	140			
Sample ID LCS-12726	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015D: Dies	el Range C	Organics	
Client ID: LCSS	Batch	ID: 12	726	F	RunNo: 1	8017				
				SeqNo: 521795						
Prep Date: 4/15/2014	Analysis D	ate: 4/	17/2014	5	SeqNo: 5	21795	Units: mg/M	(g		
Prep Date: 4/15/2014 Analyte	Analysis Da Result	ate: <b>4/</b> PQL		SPK Ref Val	SeqNo: 5	LowLimit	HighLimit	<b>%</b> RPD	RPDLimit	Qual
1					•		5	0	RPDLimit	Qual

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.
- RL Reporting Detection Limit

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1404677

WO#:

22-Apr-14

WO#: 1404677

22-Apr-14

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Client:Blagg IProject:GCU #	Engineering 221E	
Sample ID MB-12717	SampType: <b>MBLK</b>	TestCode: EPA Method 8015D: Gasoline Range
Client ID: PBS	Batch ID: 12717	RunNo: 18049
Prep Date: 4/15/2014	Analysis Date: 4/17/2014	SeqNo: 520751 Units: mg/Kg
Analyte Gasoline Range Organics (GRO) Surr: BFB	Result         PQL         SPK value           ND         5.0           890         1000	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 89.1 74.5 129
Sample ID LCS-12717	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range
Client ID: LCSS	Batch ID: 12717	RunNo: <b>18049</b>
Prep Date: 4/15/2014	Analysis Date: 4/17/2014	SeqNo: 520752 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO) Surr: BFB	245.025.009501000	0 97.1 71.7 134 94.5 74.5 129
Sample ID MB-12739	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range
Client ID: PBS	Batch ID: 12739	- RunNo: <b>18070</b>
Prep Date: 4/16/2014	Analysis Date: 4/17/2014	SeqNo: 521280 Units: %REC
Analyte		SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: BFB	850 1000	85.3 74.5 129
Sample ID LCS-12739	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range
Client ID: LCSS	Batch ID: 12739	RunNo: <b>18070</b>
Prep Date: 4/16/2014	Analysis Date: 4/17/2014	SeqNo: 521281 Units: %REC
Analyte	· · · · · · · · · · · · · · · · · · ·	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: BFB	980 1000	97.8 74.5 129

#### 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.
- RL Reporting Detection Limit

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Hall En	vironmen	tal Anal	ysis l	Laborat	ory, Inc.					w0#:	1404677 22-Apr-14
Client: Project:	Blagg GCU #	Engineering # 221E									<u> </u>
Sample ID	MB-12717	SampT	Гуре: МІ	BLK	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID:	PBS	Batch	h ID: 12	717	F	RunNo: 1	8049				
Prep Date:	4/15/2014	Analysis D	Date: 4/	17/2014	5	SeqNo: 5	20763	Units: mg/ł	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.050								-
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Bromo	fluorobenzene	1.1		1.000		106	80	120			
Sample ID	CS-12717	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: L	CSS	Batch	n ID: <b>12</b>	717	F	RunNo: <b>1</b>	8049				
Prep Date:	4/15/2014	Analysis D	)ate: <b>4</b> /	17/2014	S	SeqNo: 5	20764	Units: mg/H	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Vai	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		1.1	0.050	1.000	0	113	80	120			
Toluene		1.0	0.050	1.000	0	104	80	120			
Ethylbenzene		1.0	0.050	1.000	0	103	80	120			
Xylenes, Total		3.1	0.10	3.000	0	102	80	120			
Surr: 4-Bromot	luorobenzene	1.1		1.000		112	80	120			
Sample ID	/B-12739	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: F	PBS	Batch	n ID: <b>12</b>	739	F	RunNo: 1	8070				
Prep Date:	4/16/2014	Analysis D	ate: 4/	17/2014	5	SeqNo: 5	21344	Units: %RE	с		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromot	luorobenzene	1.0		1.000		101	80	120			
Sample ID L	CS-12739	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID: L	CSS	Batch	n ID: <b>12</b>	739	R	lunNo: <b>1</b> 8	8070				
Prep Date:	4/16/2014	Analysis D	ate: 4/	17/2014	S	eqNo: 5	21345	Units: %RE	с		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
		1.0									

Surr: 4-Bromofluorobenzene

Qualifiers:

\* Value exceeds Maximum Contaminant Level.

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1.000

QC SUMMARY REPORT

- Value above quantitation range E
- Analyte detected below quantitation limits J
- 0 RSD is greater than RSDlimit
- RPD outside accepted recovery limits R
- Spike Recovery outside accepted recovery limits S
- Analyte detected in the associated Method Blank В
- Н Holding times for preparation or analysis exceeded

119

80

120

- ND Not Detected at the Reporting Limit
- Р Sample pH greater than 2.
- RL Reporting Detection Limit

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1404677 ~ ~ . 11

WO#:

ENVIRONMENTAL ANALYSIS LABORATORY TEL: 50	vironmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87105 55345-3975 FAX: 505-345-4107 ite: www.hallenvironmental.com	Sam	Sample Log-In Check List									
Client Name: BLAGG Work Ord	er Number: 1404677		RcptNo: 1									
Received by/date:												
Logged By: Lindsay Mangin 4/15/2014 9.	:57:00 AM	ging mag D										
Completed By: Lindsay Mangin 4/15/2014 1	2:22:00 PM	<del>finly</del> they										
Reviewed By: 01-1	15 14 (21350											
Chain of Custody	I											
1. Custody seals intact on sample bottles?	Yes 🗌	No 🗌	Not Present 🗹									
2. Is Chain of Custody complete?	Yes 🗹	No 🗌	Not Present									
3. How was the sample delivered?	Courier											
Log In												
4. Was an attempt made to cool the samples?	Yes 🗹	No 🗆										
5. Were all samples received at a temperature of >0° C to 6	5.0°C Yes ⊻	No 🗌										
6. Sample(s) in proper container(s)?	Yes 🔽	No 🗌										
7. Sufficient sample volume for indicated test(s)?	Yes 🗹	No 🗌										
8. Are samples (except VOA and ONG) properly preserved?	Yes 🗹	No 🗌										
9. Was preservative added to bottles?	Yes 🗌	No 🗹	NA 🗔									
10.VOA vials have zero headspace?	Yes	No 🗌	No VOA Vials 🗹									
11. Were any sample containers received broken?	Yes	No 🗹										
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes 🗹	No 🗆	# of preserved bottles checked for pH: (<2 or >12 u	nless note								
13. Are matrices correctly identified on Chain of Custody?	Yes 🔽	No 🗆	Adjusted?									
4. Is it clear what analyses were requested?	Yes 🗹	No 🗌										
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes 🔽	No 🗌	Checked by:	· <u> </u>								
Special Handling (if applicable)												
16.Was client notified of all discrepancies with this order?	Yes	No 🗌										
Person Notified:	Date:											
By Whom;	Via: 🗌 eMail 📋 Phor	ne 🗌 Fax	In Person									
Regarding:												

17. Additional remarks:

18. Cooler Information

Client Instructions:

Cooler No	Temp °C	Condition	Seal Intact	Seai No	Seal Date	Signed By
1	1.0	Good	Yes			ļ

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Chain-of-Custody Record			ារ ជាអ្ <del>រហ</del> ុរយូលអង ÷	elita:				1 1	- <u>ģ</u>	Ā	Ĩ.	Ē	r in	FT R	à		A È	EN"	<b>T</b> A	<b>a</b> t	
Client	8LAG	G ENGR.	/ BP AMERICA	Standard	Rush	·		_ 53			-		-	•	-				AT		
				Project Name:								•				•		-			<b>-</b>
Mailing A	ddress:	P.O. 80	X 87	GCU # 221E			Www.hallenvirojamental.com 49,01 Hawkins NE - Albuquerque, NN/87109														
		BLOOM	FIELD, NM 87413	Project #::				Ťé	eľ. 50	)5-34	45-3	975	• :	Fax	505	-345	-41(	17	-		
Phone #:		(505) 63	2-1199					* <sup>2</sup>		14. 2 4 C											
email or)f		· · · · · · · · · · · · · · · · · · ·		Project Manag	jër.				Ξiv						1			25 M.	:		
OA/OC Package:		NELSON VELEZ			<del>vib's (</del> 802.1B).	only)	- iouu		:	5).		04,504	/ 8082 PCB's	, 		er - 300,1).			ār		
Accredita	tion	-,		Sampler: NELSON VELEZ		(Gas	RO /	<u> </u>	्त	Mis		0 <sub>21</sub> P	082	<b>'</b>		water			sample		
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	Type)			Sample Temp	erature:	3		+ 	(GRC	80	po	or 2	stals	CI, NC	cide	R	1-40	ji ng		<u>.</u>	ositio
Date	Time	Matrix	Sample Request ID	Container	Preservative Type:	HEALNÓ:	BTEX + MTE	BTEX ± MTBE + TPH (Gas only)	TPH 80158 (GRO/ DRO	TPH (Method 418-1)	EDB (Method 504.1)	PAH (8310 or 82705 MS)	RCRA 8 Metals	Anions (E,Cl,NO <sub>3</sub> ,NO <sub>2</sub> ,PO4,SO4)	8081 Pesticides	8260B (VOA)	8270 (Semi-VOA)	Chloride (soil - 300.0)		Grab sample	5 pt. composite
4/10/14	1320	SOIL	5PC - TB @ 5' (95)	4.02.41.	Cool	-001	V		V	V								۷			V
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	Time:	Relinquishe	PLAT JAT 1	Received by:	Aultim	Date Trme 24/15/14	Jef	í Pea	ice, 2	00, E	nerg	ý Co					-		01G	<u>EN1</u>	_

