Form C-144 July 21, 2008

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office.

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

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Pit, Closed-Loop System, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

Type of action: Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method Modification to an existing permit Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method
Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request
Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.
Operator: BP AMERICA PRODUCTION COMPANY OGRID #: 778
Address: 200 Energy Court, Farmington, NM 87401
Facility or well name: GALLEGOS CANYON UNIT 170
API Number: 3004507658 OCD Permit Number:
API Number: 3004507658 OCD Permit Number: U/L or Qtr/Qtr K Section 35.0 Township 29.0N Range 12W County: San Juan County
Center of Proposed Design: Latitude 36.68015 Longitude -108.07149 NAD: ☐1927 🗷 1983
Surface Owner: Federal State Private Tribal Trust or Indian Allotment
Pit: Subsection F or G of 19.15.17.11 NMAC RCUD JAN 22 *1.4 Temporary: Drilling Workover DIL CONS. DIV. Permanent Emergency Cavitation P&A 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. Closed-loop System: Subsection H of 19.15.17.11 NMAC Type of Operation: P&A Drilling a new well Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent) Drying Pad Above Ground Steel Tanks Haul-off Bins Other Lined Unlined Liner type: Thickness mil LLDPE HDPE PVC Other
Liner Seams:
4. ■ Below-grade tank: Subsection I of 19.15.17.11 NMAC Volume: 95.0
5. Alternative Method: Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

Form C-144

Oil Conservation Division

Page 1 of 5

Chain Inst, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution or church institution or church institution or church. Gur foot height, four strands of barbed wire evenly spaced between one and four feet Alternate. Please specify, 4 Hogytire with single barbed wire. Alternate. Please specify, 4 Hogytire with single barbed wire. Monthly Inspections II of 19.15.17.11 NMAC (Applies to permanent pits and permanent apen top tanks) Secrees Setting Other. Monthly Inspections (If acting or screening is not physically frashle) Signed in compliance with 19.15.16 8 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 12"x 24", 2" lettering, providing (Operator's name, site location, and emergency telephone numbers Signed in compliance with 19.15.16 8 NMAC Animistrative Approvals and Exceptions: I be a protein the site of the special provided of the provided of the protein the special provided of the proposal size of the	Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)	
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Signes: Subsection C of 19.15.17.11 NMAC		
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	- FEMA map	☐ Yes 🗷 No

Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment 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	
attached. X Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 N Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19. 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	15.17.9 NMAC
Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C and 19.15.17.13 NMAC	of 19.15.17.9 NMAC
Previously Approved Design (attach copy of design) API Number: or Permit Number:	
Closed-loop Systems Permit Application Attachment 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 attached.	the documents are
Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.1 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 and 19.15.17.13 NMAC	C of 19.15.17.9 NMAC
Previously Approved Design (attach copy of design) API Number:	
Previously Approved Operating and Maintenance Plan API Number: (Applies only to closed-lateral property of the control	oop system that use
above ground steel tanks or haul-off bins and propose to implement waste removal for closure)	
Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached 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	the documents are
□ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC □ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC □ Quality Control/Quality Assurance Construction and Installation Plan □ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC □ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC ○ Nuisance or Hazardous Odors, including H₂S, Prevention Plan □ Emergency Response Plan □ Oil Field Waste Stream Characterization □ Monitoring and Inspection Plan □ Erosion Control Plan	
Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC	· · · · · · · · · · · · · · · · · · ·
Proposed Closure: 19.15.17.13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.	
Type: ☐ Drilling ☐ Workover ☐ Emergency ☐ Cavitation ☐ P&A ☐ Permanent Pit ■ Below-grade Tank ☐ Closed-☐ Alternative	loop System
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 (Exceptions must be submitted to the Santa Fe Environmental Bureau	for consideration)
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must 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 F 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 I of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC	2

Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.1 Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if the state of the disposal of liquids are considered to the state of the disposal of liquids.	
facilities are required.	
Disposal Facility Name: Disposal Facility Permit Number:	
Disposal Facility Name: Disposal Facility Permit Number:	
Will any of the proposed closed-loop system operations and associated activities occur on or in areas that will not be used for future ser Yes (If yes, please provide the information below) No	vice and operations?
Required for impacted areas which will not be used for future service and operations: 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 I of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC	c
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 may require administrative approval from the appropriate disting considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Justing demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.	rict office or may be
Ground water is less than 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 between 50 and 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
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 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 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 private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, 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
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 500 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	Yes No
Within the area overlying a subsurface mine Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No
Within a 100-year floodplain FEMA map	☐ Yes ☐ No
Non-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 19.15.17.13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17.11 NMAC 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 Subsection F of 19.15.17.13 NMAC Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F 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 cannows 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 G of 19.15.17.13 NMAC	15.17.11 NMAC ·

19. 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 belief.
Name (Print): Jeffrey Peace Title: Field Environmental Advisor
Signature: Date: 06/14/2010
e-mail address: Peace.Jeffrey@bp.com Telephone: _505-326-9479
20. OCD Approval: Permit Application (including closure plan Closure plan (only) OCD Moditions (see attaghment)
OCD Representative Signature: 1/2/12
Title:
21. Closure Report (required within 60 days of closure completion): Subsection K of 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. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed. Closure Completion Date: 7 - 10 - 2013
22. Closure Method: Waste Excavation and Removal On-Site Closure Method Alternative Closure Method Waste Removal (Closed-loop systems only) If different from approved plan, please explain.
23. <u>Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:</u> Instructions: Please indentify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.
Disposal Facility Name: Disposal Facility Permit Number:
Disposal Facility Name: Disposal Facility Permit Number:
Yes (If yes, please demonstrate compliance to the items below) \(\begin{array}{c}\) No
Required for impacted areas which will not be used for future service and operations: Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Required for impacted areas which will not be used for future service and operations:
Re-vegetation Application Rates and Seeding Technique
Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check 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) □ 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 □ Re-vegetation Application Rates and Seeding Technique □ Site Reclamation (Photo Documentation) □ On-site Closure Location: Latitude □ 36.68015 Longitude □ 108.67149 NAD: □1927 ▶ 1983
25. Operator Closure Certification:
I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.
Name (Print): <u>Jeff leace</u> Title: <u>Field Environmental Advisor</u>
Signature: Date: January 21, 2014
e-mail address: peace jeffrey obp. com Telephone: (505) 326-9479

BP AMERICA PRODUCTION COMPANY

SAN JUAN BASIN, NORTHWEST NEW MEXICO

BELOW-GRADE TANK CLOSURE PLAN

Gallegos Canyon Unit 170
API No. 3004507658
Unit Letter K, Section 35, T29N, R12W

RCVD JAN 22'14 OIL CONS. DIV. DIST. 3

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 notice requirements. BP did not think notice was necessary if BGT replaced with LPT, but realizes notice is required for any BGT closure. Closure notices will be made for all BGT closures from this point forward.
- 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 notice requirements. BP did not think notice was necessary if BGT replaced with LPT, but realizes notice is required for any BGT closure. Closure notices will be made for all BGT closures from this point forward.

- 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
		(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 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.

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

State of New Mexico Energy Minerals and Natural Resources

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	ation	and Co	rrective A	ction	l			¥.	
						OPERA	ГOR		☐ Initia	al Report	\boxtimes	Final Report	
Name of Co						Contact: Jef							
		Court, Farmi		M 87401			No.: 505-326-94						
Facility Nar	ne: Galleg	os Canyon U	Init 170		_, _]	Facility Typ	e: Natural gas v	vell					
Surface Ow	ner: Privat	te		Mineral C)wner: I	Federal			API No	. 30045076	558		
				LOCA	ATION	N OF REI	LEASE						
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/V	Vest Line	County: S	an Juan		
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Type of Rele	ase: none			NAI	UKE	OF REL	Release: N/A		Volume F	Recovered: N	V/A]	
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By Whom?						Date and I-							
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If a Watercou	ırse was Im	pacted, Descr	ibe Fully.'	k							145. E ST. 3		
Describe Are	ea Affected	and Cleanup	Action Tal	and chloride belo ken.* BGT was re active well area.					ampled. T	he excavate	d area v	vas	
regulations a public health should their or or the enviro	Il operators or the envi operations h nment. In a	are required to ronment. The nave failed to	o report and acceptant acc	e is true and comp nd/or file certain r ce of a C-141 report investigate and retance of a C-141	elease no ort by the emediate	otifications a e NMOCD m e contaminat	nd perform correct arked as "Final Roon that pose a thr	ctive act leport" of reat to gr	ions for rel loes not rel round wate	eases which ieve the ope r, surface wa	may en rator of ater, hu	ndanger Tliability man health	
Signature:	120	Roses))				OIL CON	SERV	ATION	DIVISIO	<u>ON</u>		
Printed Nam	e: Jeff Peac	e				Approved by	Environmental S	pecialis	t:				
Title: Field E	Environmen	tal Advisor				Approval Da	te:		Expiration	Date:			
E-mail Addre	ess: peace.j	effrey@bp.co	<u>m</u>			Conditions o	f Approval:			Attached	Attached		
Date: Januar	y 21, 2014		Phone	: 505-326-9479									

CLIENT:	P.O. BOX 87, BL	OOMFIELD, NM 8		API #: 300 TANK ID (if applicble):	45070 A	658
FIELD REPORT:		· · · · · · · · · · · · · · · · · · ·	ER:	PAGE#:		1
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QUAD/UNIT: K SEC: 35 TWP:	29N RNG: 12W PM:	NM CNTY: SJ	st: NM	DATE FINISHED:		
1/ <u>4</u> -1/4/FOOTAGE: 1,705'S/1,777 "	NE/SW LEASE TYP		E/INDIAN	ENVIRONMENTAL		
LEASE#: -	PROD. FORMATION: DK CON	ELKHORN TRACTOR: MBF - C. ZEI	LITTI	SPECIALIST(S):	JC	B
REFERENCE POINT	: WELL HEAD (W.H.) GPS CO	OORD.: 36 68032	X 108 07158	GL ELE	V: 5 .	381'
2)	GPS COORD.:		DISTANCE/BEA	ARING FROM W.H.:		
3)	GPS COORD.:		DISTANCE/BEA	ARING FROM W.H.:		
4)	GPS COORD.:		DISTANCE/BEA	ARING FROM W.H.:		
SAMPLING DATA:	CHAIN OF CUSTODY RECORD(S) # OR L	AB USED: HALL				OVM READING
1) SAMPLE ID: 95 BGT 5 - pt. @ !	S' SAMPLE DATE: 07/10/13	SAMPLETIME1045 LAB	ANALYSIS: 418.1/8	015B/8021B/30	0.0(CI)	23
2) SAMPLE ID:	SAMPLE DATE:	SAMPLE TIME: LAB	ANALYSIS:			
3) SAMPLE ID:	SAMPLE DATE:	SAMPLE TIME: LAB	ANALYSIS:			
REFERENCE POINT: WELL HEAD (W.H.) GPS COORD.: 36.68032 X 108.07158 GL ELEV.: 5,381' 1) 95 BGT (SW/DB) GPS COORD.: 36.68015 X 108.07149 DISTANCE/BEARING FROM W.H.: 85', \$22.5E 2) GPS COORD.: DISTANCE/BEARING FROM W.H.: 3) GPS COORD.: DISTANCE/BEARING FROM W.H.: 4) GPS COORD.: DISTANCE/BEARING FROM W.H.: 5AMPLEING DATA: CHAIN OF CUSTODY RECORD(S) # OR LAB USED. HALL 1) SAMPLE ID: 95.BGT.5-pt. @ 5' SAMPLE DATE DATA FROM THE LAB AWAYSIS. 3) SAMPLE ID: SAMPLE DATE SAMPLE TIME LAB AWAYSIS. 4) SAMPLE ID: SAMPLE DATE SAMPLE TIME LAB AWAYSIS. 5OIL DESCRIPTION: SOIL TYPE: SAMPLE TIME LAB AWAYSIS. 5OIL DESCRIPTION: SOIL TYPE: SAMPLE TIME LAB AWAYSIS. SOIL DESCRIPTION: SOIL TYPE: SAMPLE TIME LAB AWAYSIS. FASTICITY (CAMPS, NON PLASTIC / SUPHTLY PLASTIC / COHESINE / HIGHLY CHASH / HIGHLY COHESINE / HIGHLY CAMPS & SILTS). SOFT / FIRM / STIFF / VERY STIFF / HARD HIGHLY AND						
SOIL COLOR: DARK YE COHESION (ALL OTHERS): NON COHESIVE SLIGHTL' CONSISTENCY (NON COHESIVE SOILS): LO MOISTURE: DRY (SLIGHTLY MOIST / MOIST) W SAMPLE TYPE: GRAB COMPOSITE #	COHESIVE /	PLASTICITY (CLAYS): NON PLASTI DENSITY (COHESIVE CLAY HC ODOR DETECTED:	C/SLIGHTLYPLASTIC/C YS & SILTS): SOFT YES (NO) EXPLA	COHESIVE / MEDIUM PLASTI / FIRM / STIFF / VERY ANATION -	/ STIFF / H/	ARD
	•	S/ <u>NO</u> EXPLANATION:		·		
DEPTH TO GROUNDWATER: <50'		NEAREST SURFACE WATER:	<1,000' NMOC	D TPH CLOSURE STD		NA _ ppm
\oplus		PLOT PLAN circle:		CALIB. READ. = <u>100</u>		111 - 1.00
W.H.				CALIB. GAS = <u>100</u> _ 11:10 _ (am)pm		
			IN IIIVIE.			
	MOODEN			MISCELL.		ES
			l —	o: N158538	38	
			Pi	0 #: K: ZEVH01	BGT2	
·				#: Z2-006L		170
	<u> </u>		Pe	ermit date(s):	06/14/	
			O(Tan		07/02/	
			ID.	ppm = parts pe	r million	
			A	BGT Sidewalls Visi		
HAVES DAT DELONIONIDETING ED. EVONTE	NI DEDDEGOLOLI DO DELOMODADE D. DELO			BGT Sidewalls Visi		
T.B. = TANK BOTTOM; PBGTL = PREVIOUS BEL	OW-GRADE TANK LOCATION; SPD = SAMPLE POIN	T DESIGNATION; R.W. = RETAINING WAL	LAIR NOT	agnetic declinati		
APPLICABLE OR NOT AVAILABLE; SW - SINGL	E WALL; DW - DOUBLE WALL; SB - SINGLE BOTTON	; DB - DOUBLE BOTTOM.		-grious acomidu	J IV	
TRAVEL NOTES: CALLOUT		ONSITE: 07/10	/13			

Analytical Report

Lab Order 1307467

Date Reported: 7/12/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: 95 BGT 5-Pt@5'

Project: GCU 170

Collection Date: 7/10/2013 10:45:00 AM

Lab ID: 1307467-001

Matrix: MEOH (SOIL)

Received Date: 7/11/2013 9:45:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE (ORGANICS				Analyst	: JME
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	7/11/2013 11:23:27 AM	8310
Surr: DNOP	83.6	63-147	%REC	1	7/11/2013 11:23:27 AM	8310
EPA METHOD 8015D: GASOLINE RANG	SE .				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	7/11/2013 1:05:54 PM	R11852
Surr: BFB	98.6	80-120	%REC	1	7/11/2013 1:05:54 PM	R11852
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.050	mg/Kg	1	7/11/2013 1:05:54 PM	R11852
Toluene	ND	0.050	mg/Kg	1	7/11/2013 1:05:54 PM	R11852
Ethylbenzene	ND	0.050	mg/Kg	1	7/11/2013 1:05:54 PM	R11852
Xylenes, Total	ND	0.10	mg/Kg	1	7/11/2013 1:05:54 PM	R11852
Surr: 4-Bromofluorobenzene	99.7	80-120	· %REC	1	7/11/2013 1:05:54 PM	R11852
EPA METHOD 300.0: ANIONS					Analyst	SRM
Chloride	ND	30	mg/Kg	20	7/11/2013 11:45:46 AM	8320
EPA METHOD 418.1: TPH					Analyst	: jmb
Petroleum Hydrocarbons, TR	ND	20	mg/Kg	1	7/12/2013	8327

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
- O RSD is greater than RSDlimit
- R RPD 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

Page 1 of 6

- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

C	hain	-of-Cu	stody Record	Turn-Around	Time:	34 FRIDAY 7-12-20		É		- A			•		7./ E	PA	. RI I	MEI			
Client:			EERWU INC.	☐ ☐ Standard	`x Rush	1-12-20	015		7	_								RA			y
	RP	Ans	KICA	Project Name	e:					F.						ntal.c					
Mailing	Address	· Par	Box 87	GCL	170				490	31 H						ue, N		7109			
			NM 87413	Project #:								5-39				5-345					
Phone			632-1199	1					F							1 Table 11 1		44 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			, ieu
email o		<u>,,, </u>	000 1111	Project Mana	ider:			70 - 70	<u>2</u>	4						A				٠	
	Package:							(8021)	only)	ies				2	בין נ	מ ב					
∑ Star	•		☐ Level 4 (Full Validation)	4.	DLAGG	76 80 No - 3 - 3		98((Gas	5B (Gas/Diesel)	- 1			RCRA 8 Metals	2 9	2					
Accred				Sampler:	J. BLAG	-/-			TPH (9					3 8	8					
□ NEL		□ Othe	·r	Onlice a	Mayes/Gue	. No 4-2"			<u></u>	15E	418.1)	04.1	¥	2			8				or N
	(Type)			Sample: Jem	perature :	15160313			표	801	4 6	ğ Ž	Ӹ	tals	, Sel		·VO	1			≥
			;				N°O.A		MTBE	TPH Method	TPH (Method	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	8081 Pesticides / 8082	8260B (VOA)	8270 (Semi-VOA)	CHLORNDE			Bubbles
Date	Time	Matrix	Sample Request ID	Container	Preservative	FEALING		*	+	₩	Ž	Š	<u>a</u>	X 8		9	(S)	至			1 4
				Type and #	Туре	Property	1	BTEX	ВТЕХ	핕	핕		<u>ي</u>		90	28(3270	9		Ì	Air B
7/10/2013	1045	SOIL	95 BUT 5-PE @ S	40221	COOL	-001		X		. 1	X		$\frac{\omega}{1}$, w	<u> </u>	×	+		Ť
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13	1756	1040	it libola		07/0	13 00	15		i	PA	水区	Y:	28	VH	ote	36T	2				
7.1	f necessary.	samples subr	mitted to Hall Environmental may be subd	contracted to other ac	condited laboratori	es. This serves as not	ice of this	مرەت possib	ility. A			acted o			arly no	tated or	the ar	nalytical	report.		—
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Hall Environmental Analysis Laboratory, Inc.

WO#:

1307467

12-Jul-13

Client:

Blagg Engineering

Project:

GCU 170

Sample ID MB-8320

SampType: MBLK

TestCode: EPA Method 300.0: Anions

Client ID:

PBS

Batch ID: 8320

PQL

RunNo: 11857

Prep Date: 7/11/2013 Analysis Date: 7/11/2013

Result

SeqNo: 337187

Units: mg/Kg

HighLimit

%RPD

RPDLimit Qual

Analyte Chloride

ND 1.5

Sample ID LCS-8320

SampType: LCS

TestCode: EPA Method 300.0: Anions

Client ID: LCSS Prep Date: 7/11/2013

Batch ID: 8320

RunNo: 11857

Analysis Date: 7/11/2013

1.5

SeqNo: 337188

Units: mg/Kg

%RPD

%RPD

Analyte Chloride

Result PQL 15

SPK value SPK Ref Val 15.00

SPK value SPK Ref Val

1.394

1.394

15.00

15.00

%REC 98.6

SPK value SPK Ref Val %REC LowLimit

LowLimit

HighLimit 110 **RPDLimit**

Qual

Sample ID 1307438-001AMS

BatchQC

SampType: MS

Batch ID: 8320

RunNo: 11857

TestCode: EPA Method 300.0: Anions

58.8

58.8

LowLimit

109

Client ID: Prep Date: 7/11/2013

Analyte

Chloride

16

Result

Result

16

Analysis Date: 7/11/2013

SeqNo: 337192

Units: mg/Kg HighLimit

RPDLimit Qual

Qual

SampType: MSD

1.5

TestCode: EPA Method 300.0: Anions

96.0

%REC

Client ID: BatchQC Prep Date:

Sample ID 1307438-001AMSD

Batch ID: 8320

RunNo: 11857

7/11/2013

Analysis Date: 7/11/2013

SeqNo: 337193

Units: mg/Kg

96.8

109

Analyte Chloride

SPK value SPK Ref Val **PQL**

1.5

%REC

Lowl imit HighLimit %RPD **RPDLimit**

0.812

20

Qualifiers:

R

Value exceeds Maximum Contaminant Level

Value above quantitation range E

J Analyte detected below quantitation limits

RPD outside accepted recovery limits

0 RSD is greater than RSDlimit В Analyte detected in the associated Method Blank

Н ND Not Detected at the Reporting Limit

Sample pH greater than 2 for VOA and TOC only.

RL - Reporting Detection Limit

Holding times for preparation or analysis exceeded

Page 2 of 6

Hall Environmental Analysis Laboratory, Inc.

100

100.0

WO#:

1307467

12-Jul-13

Client:

Blagg Engineering

Petroleum Hydrocarbons, TR

Project:	GCU 170							_		
Sample ID MB	3-8327	SampType:	MBLK	Tes	Code: EF	A Method	418.1: TPH	· · · · · · · · · · · · · · · · · · ·		
Client ID: PB	S	Batch ID:	8327	R	lunNo: 11	1901				
Prep Date: 7/	/11/2013 A	nalysis Date:	7/12/2013	S	eqNo: 33	88347	Units: mg/K	g		
Analyte Petroleum Hydrocal	rbons, TR	Result PC	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID LC	S-8327	SampType:	LCS	Tes	tCode: E F	PA Method	418.1: TPH			
Client ID: LC	ss	Batch ID:	8327	R	RunNo: 1 1	1901				
Prep Date: 7/	/11/2013 A	Analysis Date:	7/12/2013	S	SeqNo: 33	38349	Units: mg/K	g		
Analyte		Result PO	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydroca	irbons, TR	100	20 100.0	0	101	80	120			
Sample ID LC	SD-8327	SampType:	LCSD	Tes	tCode: EF	PA Method	418.1: TPH			
Client ID: LC	SS02	Batch ID:	8327	R	RunNo: 1 1	1901			-	
Prep Date: 7/	/11/2013	Analysis Date:	7/12/2013	S	SeqNo: 33	38350	Units: mg/K	g		
Analyte		Result PO	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

100

120

1.37

20

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

- Analyte detected in the associated Method Blank В
- 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

RLReporting Detection Limit Page 3 of 6

Hall Environmental Analysis Laboratory, Inc.

3.9

WO#:

1307467

12-Jul-13

Client:

Blagg Engineering

Project:

Surr: DNOP

GCU 170

Sample ID MB-8310 SampType: MBLK			TestCode: EPA Method 8015D: Diesel Range Organics								
Client ID: PBS Batch ID: 8310			RunNo: 11842								
Prep Date: 7/10/2013	Analysis Date: 7/11/2013			SeqNo: 337066			Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	ND	10									
Surr: DNOP	8.0		10.00		80.2	63	147				
Sample ID LCS-8310	SampTy	pe: LC	s	Tes	tCode: El	PA Method	8015D: Diese	el Range C	Organics		
Client ID: LCSS	Batch	ID: 83	10	F	RunNo: 1	1842			÷		
Prep Date: 7/10/2013	Analysis Da	ate: 7/	11/2013	S	SeqNo: 3	37069	Units: mg/K	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	43	10	50.00	0	86.9	77.1	128				

77.4

63

147

5.000

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

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 4 of 6

Hall Environmental Analysis Laboratory, Inc.

1200

WO#:

1307467

12-Jul-13

Client:

Blagg Engineering

Project:

Surr: BFB

GCU 170

Sample ID MB-8305	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS Batch ID: R118			1852	852 RunNo: 11852							
Prep Date: 7/10/2013	Analysis Date: 7/11/2013			SeqNo: 337676			Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	ND	5.0									
Surr: BFB	920		1000		92.3	80	120				
Sample ID LCS-8305	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e		
Client ID: LCSS	Batch	n ID: R1	1852	F	RunNo: 1	1852					
Prep Date: 7/10/2013	Analysis D)ate: 7/	11/2013	S	eqNo: 3	37677	Units: mg/K	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	24	5.0	25.00	0	94.2	62.6	136				

115

80

120

1000

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

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 5 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#:

1307467

12-Jul-13

Client:

Blagg Engineering

Sample ID												
	MB-8305 SampType: MBLK				TestCode: EPA Method 8021B: Volatiles							
Client ID:	PBS	Batch ID: R11852			R							
Prep Date:	7/10/2013	Analysis [Date: 7/	11/2013	S	eqNo: 3	37689	Units: mg/k	(g			
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-Bron	nofluorobenzene	0.96		1.000		95.5	80	120		.,,,		
Sample ID	ample ID LCS-8305 SampType: LCS				TestCode: EPA Method 8021B: Volatiles							
Client ID:	LCSS	Batc	h ID: R1	1852	R	lunNo: 1	1852					
Prep Date:	7/10/2013	Analysis [Date: 7/	11/2013	S	eqNo: 3	37690	Units: mg/h	(g			
Analyte _		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene		1.0	0.050	1.000	0	99.9	80	120				
Toluene		1.0	0.050	1.000	0	100	80	120				
Ethylbenzene		0.99	0.050	1.000	0	99.1	80	120				
Xylenės, Total		3.0	0.10	3.000	0	99.8	80	120				
Surr: 4-Bror	nofluorobenzene	1.0		1.000		103	80	120				
Sample ID	1307467-001AMS	Samp ⁻	Гуре: М\$	5	Tes							
Client ID:	95 BGT 5-Pt@5'	Batc	h ID: R1	1852	F							
Prep Date:		Analysis (Date: 7/	11/2013	· S	eqNo: 3	37694	Units: mg/h	(g			
Analyte _		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene		0.60	0.050	0.6345	0	94.8	67.3	145				
Toluene	٠	0.61	0.050	0.6345	0.005178	95.1	66.8	· 144				
Ethylbenzene		0.61	0.050	0.6345	0	96.4	61.9	153				
Xylenes, Total		1.8	0.10	1.904	0.02470	95.2	65.8	149				
Surr: 4-Bron	nofluorobenzene	0.66		0.6345		103	80	120				
Sample ID	1307467-001AMS	D Samp	Гуре: М\$	SD	TestCode: EPA Method 8021B: Volatiles							
Client ID:	95 BGT 5-Pt@5'	5 BGT 5-Pt@5' Batch ID: R11852					RunNo: 11852					
Prep Date:		Analysis [Date: 7/	11/2013	S	eqNo: 3	37695	Units: mg/k	(g			
		Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Analyte			0.050	0.6345	0	92.0	67.3	145	2.98	20		
Analyte Benzene		0.58	0.050		_							
		0.59	0.050	0.6345	0.005178	91.7	66.8	144	3.62	20		
Benzene					_							

Qualifiers:

Value exceeds Maximum Contaminant Level.

0.67

0.6345

E Value above quantitation range

Analyte detected below quantitation limits J

 \mathbf{o} RSD is greater than RSDlimit

Surr: 4-Bromofluorobenzene

R RPD outside accepted recovery limits

Analyte detected in the associated Method Blank В

80

120

0

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

106

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

RLReporting Detection Limit Page 6 of 6

0



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87105 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name:	BLAGG	1.0	Work Order Number:	130746	67			RcptNo:	1
Received by/da	te:	Als	07/11/3						
Logged By:	Lindsay N	<i>l</i> langin	7/11/2013 9:45:00 AM			July Hay	90		
Completed By:	Lindsay N	/langin	7/11/2013 10:05:11 AM	1		Junty Ho	go		
Reviewed By:	AT	07/11/13				-			
Chain of Cus	stody								
1. Custody se	als intact on s	sample bottles?		Yes		No 🗆		Not Present	
2. Is Chain of	Custody com	plete?		Yes	✓	No [Not Present \Box	
3. How was th	e sample del	ivered?		Courie	<u>er</u>				
<u>Log In</u>									
4. Was an att	empt made to	o cool the samples?	?	Yes	V	No [NA \square	
5. Were all sa	mples receive	ed at a temperature	e of >0° C to 6.0°C	Yes [Y	No [NA 🗆	
6. Sample(s)	in proper con	tainer(s)?		Yes	V	No [
7. Sufficient sa	ample volume	e for indicated test(s)?	Yes	y	No 🗆			
8. Are sample	s (except VO	A and ONG) prope	rly preserved?	Yes	✓	No 🗆]		
9. Was preser	vative added	to bottles?		Yes		No 🗹	Ĩ	NA 🗆	
10.VOA vials h	nave zero hea	dspace?		Yes		No 🗆		No VOA Vials 🗹	
11. Were any s	sample contai	iners received brok	en?	Yes		No 🖢			
•							_	# of preserved bottles checked	
12.Does paper		oottle labels? chain of custody)		Yes	Y	No L	ا	for pH: (<2	or >12 unless noted)
•	•	entified on Chain of	Custody?	Yes [✓	No 🗆]	Adjusted?	
		were requested?	· , ·	Yes		No □] [_
15. Were all ho	_	ble to be met? r authorization.)		Yes (V	No [] [Checked by:	
(ii No, noin)	Castorner	· authorization.)							
Special Hand	dling (if ap	plicable)							
16. Was client	notified of all	discrepancies with	this order?	Yes		No [NA 🗹	
Perso	n Notified:		Date:				_		7.
By W	hom:		Via: (eMai	I 🔲 F	Phone 🔲 Fa	ах	In Person	
Rega	rding:								
Client	t Instructions:			······································				_	
17. Additional	remarks:		•				•		J
18. Cooler Inf	ormation								
Cooler	vo Temp ⁰			Seal Dat	e L	Signed By			
1	1.6	Good No	t Present	a commence many					



