،	<u>Existrict I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505	State of New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505	Form C-144 Revised June 6, 2013 For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office. For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.
-	12868 <u>Proposed Alt</u> Type of action: □ Belo	<u>Pit, Below-Grade Tank, or</u> ernative Method Permit or Closure P w grade tank registration	Plan Application OIL CONS. DIV DIST. 3
	45-26856 ☐ Perm ☐ Close ☐ Modi ☐ Close or proposed alternative me	it of a pit or proposed alternative method ure of a pit, below-grade tank, or proposed alternati ification to an existing permit/or registration ure plan only submitted for an existing permitted or othod	non-permitted pit, below-grade tank,
	Please be advised that approval of this request does new interview of the operator of the operator. Nor does approval relieve the operator	one application (Form C-144) per individual pit, below- not relieve the operator of liability should operations result in r of its responsibility to comply with any other applicable go	n pollution of surface water, ground water or the
		any OGRID #:7	
	Address:200 Energy Court, Farmingto	n, NM 87401	
	Facility or well name:Keys Gas Com G	1R	
	API Number:3004526856	OCD Permit Number:	
		27 Township32N Range10W0	
		953962Longitude107.872168	
[2		
	<u>Pit</u>: Subsection F, G or J of 19.15.17.11 N	MAC	
	Temporary: Drilling Workover	P&A 🔲 Multi-Well Fluid Management Lo	ou Chlorida Deilling Fluid 🗌 uss 🗍 na
		mil LLDPE HDPE PVC Ot	
	String-Reinforced	· ·	
	-	r Volume:bbl	Dimensions: L x W x D
ւ	3.		
	Below-grade tank: Subsection 1 of 19.15.	17.11 NMAC Tank A	
	Volume: 95.0 bbl Ty	ype of fluid:Produced water	
	Tank Construction material:Steel		
		Visible sidewalls, liner, 6-inch lift and automatic ov	verflow shut-off
	_ ·	ewails only 🛛 Other _Double walled/double bott	
		nil 🔲 HDPE 🗍 PVC 🗌 Other	
L [4.		
	Alternative Method:		

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



Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)

Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)

Four foot height, four strands of barbed wire evenly spaced between one and four feet

Alternate. Please specify

Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)

Screen 🗌 Netting 🗋 Other

Monthly inspections (If netting or screening is not physically feasible)

Subsection C of 19.15.17.11 NMAC

12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

Signed in compliance with 19.15.16.8 NMAC

Variances and Exceptions:

Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.

Please check a box if one or more of the following is requested, if not leave blank:

Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.

Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

Siting Criteria (regarding permitting): 19.15.17.10 NMAC

Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Siting criteria does not apply to drying pads or above-grade tanks.

	,
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
 Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. (Does not apply to below grade tanks) Written confirmation or verification from the municipality; Written approval obtained from the municipality 	🗍 Yes 🗌 No
Within the area overlying a subsurface mine. (Does not apply to below grade tanks) - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	🗌 Yes 🗍 No
 Within an unstable area. (Does not apply to below grade tanks) Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 	🗌 Yes 🗌 No
Within a 100-year floodplain. (Does not apply to below grade tanks) - FEMA map	🗌 Yes 🗌 No
Below Grade Tanks	
 Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No
 Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
 Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) Topographic map; Visual inspection (certification) of the proposed site 	Yes 🗌 No

, f	Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial	Yes No
	 application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	
	Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	🗌 Yes 🗌 No
	 Within 100 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site 	Yes No
	Temporary Pit Non-low chloride drilling fluid	
	 Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site 	🗋 Yes 🗋 No
	 Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	□ Yes □ No
	 Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site 	Yes No
	 Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No
	Permanent Pit or Multi-Well Fluid Management Pit	
	 Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site 	🗌 Yes 🗍 No
	 Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	Yes No
	 Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No
	 Within 500 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No
	10. Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 N	IMAC
	Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the doc attached.	
	 Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC 	NMAC
	 Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19. and 19.15.17.13 NMAC 	15.17.9 NMAC
	Previously Approved Design (attach copy of design) API Number: or Permit Number:	
ſ	11. <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 dou attached.	cuments are
	 Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC A List of wells with approved application for permit to drill associated with the pit. Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19 	.15.17.9 NMAC
	and 19.15.17.13 NMAC Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC	

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12.	
<u>Permanent Pits Permit Application 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 attached to the application.	documents are
 attached. Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Climatological Factors Assessment 	
 Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC 	
 Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC Quality Control/Quality Assurance Construction and Installation Plan 	
 Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Nuisance or Hazardous Odors, including H₂S, Prevention Plan 	
 Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan 	
 Erosion Control Plan Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC 	
^{13.} <u>Proposed Closure</u> : 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 Flu	uid Management Pit
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 	
 Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC 	
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 sourc provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. Pl 19.15.17.10 NMAC for guidance.	ce material are lease refer to
Ground water is less than 25 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	□ Yes □ No □ NA
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	□ Yes □ No □ NA
 Ground water is more than 100 feet below the bottom of the buried waste. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells 	☐ Yes ☐ No ☐ NA
 Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No
lake (measured from the ordinary high-water mark).	Yes No
 lake (measured from the ordinary high-water mark). 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. 	
 lake (measured from the ordinary high-water mark). 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. 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 at the time of initial application. 	🗌 Yes 🗌 No
 lake (measured from the ordinary high-water mark). 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. 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 at the time of initial application. NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site 	☐ Yes ☐ No ☐ Yes ☐ No

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	 adopted pursuant to NMSA 1978, Section 3-27-3, as amended. Written confirmation or verification from the municipality; Written approval obtained from the municipality 	Yes No
	Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	🗋 Yes 🗌 No
	 Within an unstable area. Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 	
	Within a 100-year floodplain. - FEMA map	☐ Yes ☐ No ☐ Yes ☐ No
l		
	 16. 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. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17. Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19. Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards canned Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC 	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 beling Name (Print):	
	Signature: Date:	
	e-mail address: Telephone:	
	18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature:	225
	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 be submitted to the division within 60 days of the completion of the closure activities. Please do not section of the form until an approved closure plan has been obtained and the closure activities have been completed. Closure Completion Date:4/16/2012	the closure report. complete this
	<u>Closure Report (required within 60 days of closure completion)</u> : 19.15.17.13 NMAC Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not section of the form until an approved closure plan has been obtained and the closure activities have been completed.	complete this

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22. Operator Closure Certification:

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): Jeff Peace

Title: Field Environmental Coordinator_____

oce Signature:

Date: __April 16, 2015_____

e-mail address:__peace.jeffrey@bp.com_

______ Telephone: ___(505) 326-9479______

BP AMERICA PRODUCTION COMPANY SAN JUAN BASIN, NORTHWEST NEW MEXICO

BELOW-GRADE TANK CLOSURE PLAN

<u>Keys Gas Com G 1R</u> <u>API No. 3004526856</u> <u>Unit Letter K, Section 27, T32N, R10W</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 made due to misunderstanding of the BGT notice requirements at that time.
- 2. BP shall notify the division District III office verbally or by other means at least 72 hours, but not more than one (1) week, prior to any closure operation. The notice shall include the operator's name, and the location to be closed by unit letter, section, township and range. If the BGT closure is associated with a particular well, then the notice shall also include the well's name, number and API number.

No notice was made due to misunderstanding of the BGT notice requirements at that time.

- 3. BP shall remove liquids and sludge from the BGT prior to implementing a closure method and dispose of the liquids and sludge in a NMOCD's division-approved facility. The facilities to be used are:
 - a. BP Crouch Mesa Landfarm, Permit NM-02-003 (Solids)
 - b. JFJ Landfarm, Permit NM-01-010(B) (Solids and Sludge)
 - c. Basin Disposal, Permit NM-01-0005 (Liquids)

- d. Envirotech Inc Soil Remediation Facility, Permit NM-01-0011 (Solids and Sludge)
- e. BP Operated E.E. Elliott SWD #1, API 30-045-27799 (Liquids)
- f. BP Operated 13 GCU SWD #1, API 30-045-28601 (Liquids)
- g. BP Operated GCU 259 SWD, API 30-045-20006 (Liquids)
- h. BP Operated GCU 306 SWD, API 30-045-24286 (Liquids)
- i. BP Operated GCU 307 SWD, API 30-045-24248 (Liquids)
- j. BP Operated GCU 328 SWD, API 30-045-24735 (Liquids)
- k. BP Operated Pritchard SWD #1, API 30-045-28351 (Liquids)
 - All liquids and sludge in the BGT were removed and sent to one of the above NMOCD approved facilities for disposal.
- 4. BP shall remove the BGT and dispose of it in a NMOCD approved facility or recycle, reuse, or reclaim it in a manner that the NMOCD approves. If a liner is present and must be disposed of it will be cleaned by scraping any soils or other attached materials on the liner to a de minimus amount and disposed at a permitted solid waste facility, pursuant to Subparagraph (m) of Paragraph (1) of Subsection C of 19.15.35.8 NMAC. Documentation as to the final disposition of the removed BGT will be provided in the final closure report.

The BGT was transported to a storage area for sale and re-use.

are as follows;

- 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

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.

- 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 area of the adjacent well.

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 are of the adjacent well. 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 area of the adjacent well. 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 area of the adjacent well. This area will be reclaimed when the well is plugged and abandoned as part of final reclamation.

13. BP shall seed, plant and re-seed pursuant to Paragraph (3) of Subsection I of 19.15.17.13 NMAC, until the location successfully achieves the required vegetative cover.

BP will seed the area when the well is plugged and abandoned as part of final reclamation.

14. Pursuant to Paragraph (5) of Subsection I of 19.15.17.13 NMAC, BP shall notify the NMOCD when it has seeded or planted and when it successfully achieves revegetation.

BP will notify NMOCD when re-vegetation is successful.

- 15. Within 60 days of closure completion, BP shall submit a closure report on NMOCD's form C-144, and will include the following;
 - a. proof of closure notification (surface owner and NMOCD)
 - b. sampling analytical reports; information required by 19.15.17 NMAC;
 - c. disposal facility name and permit number
 - d. details on back-filling, capping, covering, and where applicable re-vegetation application rates and seeding techniques and
 - e. site reclamation, photo documentation.

Closure report on C-144 form is included.

16. BP shall certify that all information in the report and attachments is accurate, truthful, and compliant with all applicable closure requirements and conditions specified in the approved closure plan.

Certification section of C-144 has been completed.

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State of New Mexico Energy Minerals and Natural Resources

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.

Form C-141

Revised August 8, 2011

1220 S. St. Frar	cis Dr., Santa	a Fe, NM 87505	5	S	anta F	Fe, NM 875	505				
			Rele	ase Notifi	catio	n and Co	orrective A	ction			
						OPERA '	ГOR	🔲 Initi	al Report	\boxtimes	Final Report
Name of Co	mpany: Bl	р				Contact: Jet	f Peace		• • •		
Address: 20	0 Energy (Court, Farmi	ngton, Nl	M 87401		Telephone 1	No.: 505-326-94	479			
Facility Na	ne: Keys C	Gas Com G 1	R			Facility Typ	e: Natural gas	well			
Surface Ow	ner: Privat	e		Mineral (Owner:	Private		API No	. 3004526	856	
				LOC	ATIO	N OF RE	LEASE				
Unit Letter K	Section 27	Township 32N	Range 10W	Feet from the 1,460	North	1/South Line	Feet from the 1,550	East/West Line West	County: S	an Juan	1
		Latit	ude36.	953962		Longitud	e 107.872168				
Type of Rele	ase: none							Volume F	Recovered N	N/A	
		/ grade tank –	95 bbl	• ••			· · · · · · · · · · · · · · · · · · ·				
Was Immedi											
			Yes 🗌	No 🛛 Not R	equired						
By Whom?		·······				Date and F	lour				
Was a Water	course Reac					If YES, Vo	olume Impacting	the Watercourse.			
			Yes 🛛	No							
If a Watercou	rse was Imp	bacted, Descri	be Fully.*					· · · · ·			
the BGT. So Describe Are	il analysis re Affected a	esulted in TPI	H, BTEX a	nd chloride belo	w stand	lards. Analys and the area u	is results are attac	ched.			
regulations al public health should their c	l operators a or the envir perations ha ment. In ac	are required to onment. The ave failed to a ddition, NMO	o report an acceptance dequately CD accept	d/or file certain r e of a C-141 repo investigate and r	elease r ort by th emedia	notifications and ne NMOCD m te contaminati	nd perform correct arked as "Final R on that pose a thr	ctive actions for rele eport" does not reli eat to ground water	eases which eve the oper , surface wa	may en ator of ter, hur	idanger liability man health
		0					OIL CON	SERVATION	DIVISIC)N	
Signature:	off	Pour	2								
Printed Name	Jeff Peace				Contact: Jeff Peace Telephone No.: 505-326-9479 Facility Type: Natural gas well Dwner: Private API No. 3004526856 ATION OF RELEASE North/South Line Feet from the East/West County: San Juan South 1,550 West Longitude107.872168 Volume of Release: N/A Volume Recovered: N/A Date and Hour of Occurrence: Date and Hour of Discovery: If YES, To Whom? If YES, Volume Impacting the Watercourse. ng of the soil beneath the BGT was done during removal to ensure no soil impacts from w standards. Analysis results are attached. moved and the area underneath the BGT was sampled. The area under the BGT was						
Title: Field E	nvironmenta	al Coordinato	r			Approval Dat	e:	Expiration	Date:		
E-mail Addre	ss: peace.je	ffrey@bp.con	n			Conditions of	Approval:		Attached		
Date: April I Attach Addit		ts If Necessa		5-326-9479							

CLIENT: BP	BLAGG ENG P.O. BOX 87, BLO (505)	API #: 300 TANK ID (if applicble):	A	
FIELD REPORT:	(circle one): BGT CONFIRMATION / REL	EASE INVESTIGATION / OTHER:	PAGE #:	11
SITE INFORMATION QUAD/UNIT: K SEC: 27 TWP:		G#1R JM CNTY: SJ ST: NM	DATE STARTED: _	04/04/12
1/4 -1/4/FOOTAGE: 1,460'S / 1,55				NJV
REFERENCE POINT 1) 95 BGT (DW/DB) 2) 3)	WELL HEAD (W.H.) GPS COO GPS COORD.: 36.953 GPS COORD.: GPS COORD.:	DRD.: 36.95391 X 107.87 1962 X 107.872168 DISTAN DISTAN	197 GL ELE ICE/BEARING FROM W.H.: ICE/BEARING FROM W.H.: ICE/BEARING FROM W.H.:	
⁴⁾ SAMPLING DATA:	GPS COORD.: CHAIN OF CUSTODY RECORD(S) # OR LAI		ICE/BEARING FROM W.H.:	
SAIVIPLING DATA. 1) SAMPLE ID: 2) SAMPLE ID: 3) SAMPLE ID: 4) SAMPLE ID:	SAMPLE DATE: 04/04/12 SAMPLE DATE: SAMPLE DATE: SAMPLE DATE:	SAMPLE TIME: 1305 LAB ANALYSIS: 411 SAMPLE TIME: LAB ANALYSIS:		
SOIL DESCRIPTION		D SILT / SILTY CLAY / CLAY / GRAVEL		
COHESION (ALL OTHERS): NON COHESIVE SUBHTLY CONSISTENCY (NON COHESIVE SOILS): [LC MOISTURE: DRY <u>SLIGHTLY MOIST</u> MOIST / MI SAMPLE TYPE: GRAB <u>COMPOSITE</u> # OF PTS. DISCOLORATION/STAINING OBSERVED ANY AREAS DISPLAYING WETNESS: YES <u>NO</u> ADDITIONAL COMMENTS: NO APPARE	OSE FIRM DENSE / VERY DENSE T / SATURATED / SUPER SATURATED 5 YES NO EXPLANATION - EXPLANATION - NT EVIDENCE OF A RELEASE OBSEM		SOFT / FIRM / STIFF / VERY EXPLANATION -	STIFF / HARD
SOIL IMPACT DIMENSION ESTIMATION: DEPTH TO GROUNDWATER:			N ESTIMATION (Cubic Yan NMOCD TPH CLOSURE STD:	
SITE SKETCH SEPARATOR PBGTL T.B. ~ 6' B.G.	SALE'S	PLOT PLAN circle: attached	OVM CALIB. READ. = NA OVM CALIB. GAS = NA TIME: NA am/pm DA MISCELL. WO - N1578752 PO - 81585	Appm ATE:NA
BERM			PK - ZBVD01G	EN1
SOL		X - S.P.D.	Permit Date: OCD Appr. Date Tank ID A BGT Sidewalls Visit BGT Sidewalls Visit	ble: Y /N/ NA
T.B. = TANK BOTTOM; PBGTL = PREVIOUS NA-NOT APPLICABLE OR NOT AVAILABLE	BELOW-GRADE TANK LOCATION; SPD = SAMPLE ; SW- SINGLE WALL; DW- DOUBLE WALL; SB - S	POINT DESIGNATION; R.W. = RETAINING WALL; INGLE BOTTOM; DB - DOUBLE BOTTOM.	Magnetic declination	
TRAVEL NOTES: CALLOUT:	<u>04/03/12 - Morn.</u>	ONSITE: 04/04/12 - Morn.	(Sched.)	

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Hall Environmental Analysis Laboratory, Inc.

Analytical Report Lab Order 1204365 Date Reported: 4/16/2012

EDA METHOD 8015B: DIESEL DAN				Analyst: IN
Analyses	Result	RL Qual Units	DF	Date Analyzed
Lab ID: 1204365-001	Matrix: S	SOIL Received D	ate: 4/10/2	012 9:50:00 AM
Project: Keys GC G #1R		Collection D	ate: 4/4/20	12 1:05:00 PM
CLIENT: Blagg Engineering		Client Sample	ID: 5PC-T	Ъ@ 6' (95 BGT)

EPA METHOD 8015B: DIESEL RANGE C	ORGANICS				Analyst: JMP
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	4/11/2012 10:44:10 AM
Surr: DNOP	91.8	77.4-131	%REC	1	4/11/2012 10:44:10 AM
EPA METHOD 8015B: GASOLINE RANG	ε				Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	4/13/2012 3:38:29 AM
Surr: BFB	115	69.7-121	%REC	1	4/13/2012 3:38:29 AM
EPA METHOD 8021B: VOLATILES				•	Analyst: NSB
Benzene	ND	0.050	mg/Kg	1	4/13/2012 3:38:29 AM
Toluene	ND	0.050	mg/Kg	1	4/13/2012 3:38:29 AM
Ethylbenzene	ND	0.050	mg/Kg	1	4/13/2012 3:38:29 AM
Xylenes, Total	ND	0.099	mg/Kg	1	4/13/2012 3:38:29 AM
Surr: 4-Bromofluorobenzene	101	80-120	%REC	1	4/13/2012 3:38:29 AM
EPA METHOD 300.0: ANIONS					Analyst: BRM
Chloride	ND	7.5	mg/Kg	5	4/12/2012 12:08:00 PM
EPA METHOD 418.1: TPH					Analyst: JMP
Petroleum Hydrocarbons, TR	ND	20	mg/Kg	1	4/13/2012

Qualifiers:

*/X Value exceeds Maximum Contaminant Level.

E Value above quantitation range

- J Analyte detected below quantitation limits
- 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
- RL Reporting Detection Limit

Client: Project:	Blagg Engi Keys GC C	-								
Sample ID	MB-1502	SampType:	MBLK	Tes	tCode: EPA	Method	300.0: Anion:	5		
Client ID:	PBS	Batch ID:	1502	F	RunNo: 210	9				
Prep Date:	4/12/2012	Analysis Date:	4/12/2012	S	SeqNo: 583	19	Units: mg/K	g		
Analyte Chloride			QL SPK value	SPK Ref Val	%REC L	_owLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID.	LCS-1502	SampType:	LCS	Tes	tCode: EPA	Method	300.0: Anion:	<u></u> 5		
Client ID:	LCSS	Batch ID:	1502	F	RunNo: 210	9				
Prep Date:	4/12/2012	Analysis Date:	4/12/2012	S	SeqNo: 583	20	Units: mg/K	g		
Analyte		Result PC	QL SPK value	SPK Ref Val	%REC L	owLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5 15.00	0	92.7	. 90	110			
Sample ID	1204365-001AMS	SampType:	MS	Tes	tCode: EPA	Method	300.0: Anion	 S		
Client ID:	5PC-TB @ 6' (95 BG	Batch ID:	1502	F	RunNo: 210	9				
Prep Date:	4/12/2012	Analysis Date:	4/12/2012	S	SeqNo: 583	24	Units: mg/K	g		
Analyte		Result PC	QL SPK value	SPK Ref Val	%REC L	_owLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	7.5 15.00	0	94.2	74.6	118			
Sample ID	1204365-001AMSD	SampType:	MSD	Tes	tCode: EPA	Method	300.0: Anion:	- <u>-</u>		
Client ID:	5PC-TB @ 6' (95 BC	Batch ID:	1502	F	RunNo: 210	9				
Prep Date:	4/12/2012	Analysis Date:	4/12/2012	e	GegNo: 583	25	Units: mg/K	g		
Analyte		Result PC	QL SPK value	SPK Ref Val	%REC L	.owLimit	HighLimit	%RPD	RPDLimit	Qual

0

96.0

74.6

118

1.85

20

Hall Environmental Analysis Laboratory, Inc.

7.5

15.00

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WO#: 1204365

16-Apr-12

*/X Value exceeds Maximum Contaminant Level.

Е Value above quantitation range

Qualifiers:

Chloride

- Analyte detected below quantitation limits J
- R RPD outside accepted recovery limits

- Analyte detected in the associated Method Blank В
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RL Reporting Detection Limit

	Engineering GC G #1R				
Sample ID MB-1485	SampType: MBLK	TestCode: EPA Method	418.1: TPH		
Client ID: PBS	Batch ID: 1485	RunNo: 2103	,		
Prep Date: 4/11/2012	Analysis Date: 4/13/2012	SeqNo: 58216	Units: mg/Kg		
Analyte Petroleum Hydrocarbons, TR	Result PQL SPK value ND 20	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit	Qual
Sample ID LCS-1485	SampType: LCS	TestCode: EPA Method	418.1: TPH		
Client ID: LCSS	Batch ID: 1485	RunNo: 2103			
Prep Date: 4/11/2012	Analysis Date: 4/13/2012	SeqNo: 58217	Units: mg/Kg		
Prep Date: 4/11/2012					
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit	Qual
	Result PQL SPK value	SPK Ref Val %REC LowLimit 0 101 87.8	HighLimit %RPD 115	RPDLimit	Qual
Analyte			115	RPDLimit	Qual
Analyte Petroleum Hydrocarbons, TR	100 20 100.0	0 101 87.8	115	RPDLimit	Qual

0

%REC

102

LowLimit

87.8

HighLimit

115

%RPD

1.34

RPDLimit

8.04

Qual

SPK value SPK Ref Val

100.0

Hall Environmental Analysis Laboratory, Inc.

Result

100

PQL

20

Qualifiers:

Analyte

Petroleum Hydrocarbons, TR

- */X Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- 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
- RL Reporting Detection Limit

WO#: 1204365

16-Apr-12

WO#:	1204365

16-Apr-12

Hall Environmental Analysis Laboratory, Inc.

Client: Project:	Blagg En Keys GC	gineering G #1R													
Sample ID	MB-1449	SampType	e: Me	BLK	TestCode: EPA Method 8015B: Diesel Range Organics										
Client ID:	PBS	Batch ID	: 144	49	F	RunNo:	1997								
Prep Date:	4/10/2012	Analysis Date	: 4/	10/2012	S	SeqNo:	55703		Units: mg/K	g					
Analyte		Result P	QL	SPK value	SPK Ref Val	%REC	LowL	_imit	HighLimit	%RPD	RPDLimit	Qual			
Diesel Range Surr: DNOP	Organics (DRO)	ND 9.6	10	10.00		96.5		77.4	131						
Sample ID	C LCS-1449 SampType: LCS TestCode: EPA Method 8015B: Diesel Range Organics														
Client ID:	LCSS	Batch ID	: 144	49	F	RunNo:	1997								
Prep Date:	4/10/2012	Analysis Date	: 4/	10/2012	SeqNo: 55855				Units: mg/K	g					
Analyte		Result P	QL	SPK value	SPK Ref Val	%REC	LowL	.imit	HighLimit	%RPD	RPDLimit	Qual			
-	Organics (DRO)	55	10	50.00	0	110) (62.7	139						
Surr: DNOP		4.5		5.000		90.6		77.4	131						
Sample ID	1204357-001AMS	SampType	: MS	;	Tes	tCode: I	EPA Me	thod a	8015B: Diese	el Range C	Organics				
Client ID:	BatchQC	Batch ID	: 144	49	F	RunNo:	2035								
Prep Date:	4/10/2012	Analysis Date	: 4/*	11/2012	5	SeqNo:	56728		Units: mg/K	g					
Analyte		Result P	QL	SPK value	SPK Ref Val	%REC	LowL	.imit	HighLimit	%RPD	RPDLimit	Qual			
Diesel Range (Drganics (DRO)	120	9.9	49.41	87.63	69.7	Ę	57.2	146						
Surr: DNOP		4.5		4.941		91.8	7	77.4	131	,					
Sample ID	1204357-001AMSI) SampType	: MS	D	Tes	tCode: I	EPA Met	thod 8	8015B: Diese	l Range C	rganics				
Client ID:	BatchQC	Batch ID	: 144	19	F	RunNo:	2035								
Prep Date:	4/10/2012	Analysis Date	: 4/1	11/2012	S	SeqNo:	56729		Units: mg/K	g					
Analyte		Result P	QL	SPK value	SPK Ref Val	%REC	LowL	.imit	HighLimit	%RPD	RPDLimit	Qual			
•	Organics (DRO)	140	10	50.35	87.63	110		57.2	146	16.0	26.7				
Surr: DNOP		4.7		5.035		93.1	7	77.4	131	0	. 0				

Qualifiers:

*/X Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

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
- RL Reporting Detection Limit

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WO#: 1204365

16-Apr-12

Client: Project:	Blagg En Keys GC	gineering G #1R												
Sample ID	D MB-1460 SampType: MBLK TestCode: EPA Method 8015B: Gasoline Range													
Client ID:	PBS	Batch	ID: 14	60	F	RunNo: 2	089							
Prep Date:	4/10/2012	Analysis D	ate: 4/	12/2012	5	SeqNo: 5	8688	Units: mg/ł	٢g					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Gasoline Rang Surr: BFB	e Organics (GRO)	ND 1,000	5.0	1,000		101	69.7	121			,			
Sample ID	Sample ID LCS-1460 SampType: LCS TestCode: EPA Method 8015B: Gasoline Range													
Client ID:	LCSS	Batch	ID: 14	60	F	RunNo: 2	089							
Prep Date:	4/10/2012	Analysis D	ate: 4/	12/2012	S	SeqNo: 5	8689	Units: mg/Kg						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Gasoline Rang	e Organics (GRO)	30	5.0	25.00	0	121 98.5		133						
Surr: BFB		1,100		1,000		112	69.7	121			·			
Sample ID	1204362-001AMS	SampT	ype: MS	3 ·	Tes	tCode: El	PA Method	8015B: Gaso	line Rang	e				
Client ID:	BatchQC	Batch	ID: 14	60	۴	RunNo: 2	089							
Prep Date:	4/10/2012	Analysis D	ate: 4/	12/2012	S	eqNo: 5	8709	Units: mg/Kg						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Gasoline Rang	e Organics (GRO)	30	4.7	23.74	1.448	119	85.4	147						
Surr: BFB		1,100		949.7		112	69.7	121						
Sample ID	1204362-001AMS	D SampT	ype: MS	SD	Test	tCode: El	PA Method	8015B: Gasc	line Rang	e	·			
Client ID:	BatchQC	Batch	ID: 14	60	F	tunNo: 2	089							
Prep Date:	4/10/2012	Analysis D	ate: 4/	12/2012	S	eqNo: 5	8710	Units: mg/M	(g					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
	e Organics (GRO)	30	4.7	23.70	1.448	120	85.4	147	0.922	19.2				
Surr: BFB		1,100		947.9		114	69.7	121	0	0				

Qualifiers:

*/X Value exceeds Maximum Contaminant Level.

E Value above quantitation range

- J Analyte detected below quantitation limits
- 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
- RL Reporting Detection Limit

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Hall Environmental	Analysis Lal	ooratory, Inc.	

Client: Blagg Engineering

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Project: Keys GC G #1R

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Sample ID	MB-1460 SampType: MBLK TestCode: EPA Method 8021B: Volatiles														
Client ID:	PBS	Batch ID: 1460			F	RunNo: 2									
Prep Date:	4/10/2012	Analysis E	Date: 4/	12/2012	SeqNo: 58717 Ur			Units: mg/Kg							
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		96.1	80	120							
Sample ID	LCS-1460	Samp1	Гуре: LC	Ś	Tes	tCode: El	PA Method	8021B: Vola	atiles						
Client ID:	LCSS	Batch	h ID: 14	60	F	RunNo: 2	089								
Prep Date:	4/10/2012	Analysis D	Date: 4/	12/2012	Ś	SeqNo: 5	8718	Units: mg /l	Kg						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Benzene		0.92	0.050	1.000	0	92.3	83.3	107							
Toluene		0.95	0.050	1.000	0	95.5	74.3	115							
Ethylbenzene		0.95	0.050	1.000	0	94.6	80.9	122							
Xylenes, Total		2.9	0.10	3.000	0	95.3	85.2	123							
Surr: 4-Brom	ofluorobenzene	1.0		1.000		102	80	120							
Sample ID	1204365-001AMS	SampT	Type: MS	3	Tes	tCode: El	PA Method	8021B: Vola	tiles						
Client ID:	5PC-TB @ 6' (95 B	BG Batch	h ID: 14	60	F	RunNo: 2	089								
Prep Date:	4/10/2012	Analysis D	Date: 4/	12/2012	S	SeqNo: 5	8737	Units: mg/l	Kg						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Benzene		0.88	0.047	0.9434	0	93.7	67.2	113							
Toluene		0.92	0.047	0.9434	0	97.6	62.1	116							
Ethylbenzene		0.92	0.047	0.9434	0.007545	96.4	67.9	127							
Xylenes, Total		2.7	0.094	2.830	0	97.0	60.6	134							
Surr: 4-Brom	ofluorobenzene	0.95		0.9434		101	80	120							
Sample ID	1204365-001AMSI	D SampT	ype: MS	SD	Tes	tCode: El	PA Method	8021B: Vola	tiles						
Client ID:	5PC-TB @ 6' (95 E	3G Batch	n ID: 14	60	F	RunNo: 2	089								
Prep Date:	4/10/2012	Analysis D	0ate: 4/	12/2012	5	SeqNo: 5	8738	Units: mg/l	Kg						
Analyte		Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Benzene		0.88	0.048	0.9560	0	92.4	67.2	113	0.00210	14.3					
Toluene		0.91	0.048	0.9560	0	95.5	62.1	116	0.843	15.9					
Ethylbenzene		0.92	0.048	0.9560	0.007545	95.0	67.9	127	0.114	14.4					
Xvlenes, Total		07	0.096	2.868	0	95.7	60.6	134	0.0544	12.6					
Ayleries, rolai		2.7	0.090		0				-						
	ofluorobenzene	0.97	0.090	0.9560	0	102	80	120	0.0011	0					

Qualifiers:

*/X Value exceeds Maximum Contaminant Level.

E Value above quantitation range

- 'J Analyte detected below quantitation limits
- 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
- RL Reporting Detection Limit

WO#: 1204365

16-Apr-12

HALL	
ENVIRO 📖	NMENTAL
ANALYS	;IS
LABORA	TORY

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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	We	ork Or	der l	Jum	ber:	1204365
Received by/da	ate:	nulidiz					
Logged By:	Lindsay/Mangin	4/10/2012 9:50:00 AM				(In	Ly Hlugo
Completed By:	Lindsay Mangin	4/10/2012 10:18:10 AM				(for	ng magu
Reviewed By:	IO 04/10/12					\mathcal{V}	S 0
Chain of Cu	sto <u>dy</u>						
1. Were seal			Yes		No		Not Present 🗸
	f Custody complete?		Yes	~	No		Not Present
3. How was t	he sample delivered?		<u>Cour</u>	ier			
<u>Log In</u>							
4. Coolers ar	e present? (see 19. for coole	er specific information)	Yes		No		NA
5. Was an at	tempt made to cool the sam	ples?	Yes	V	No		NA
6, Were all s	amples received at a temper	ature of >0° C to 6.0°C	Yes	✔.	No		NA
7. Sample(s)	in proper container(s)?		Yes	V	No		
8. Sufficient	sample volume for indicated	test(s)?	Yes		No	:	
9. Are sampl	es (except VOA and ONG) p	roperly preserved?	Yes	✓	No	:	
10. Was prese	ervative added to bottles?		Yes		N٥	✓	NA
11. VOA vials	have zero headspace?		Yes	1	No	:	No VOA Vials 🗸
12. Were any	sample containers received	broken?	Yes		No		
	erwork match bottle labels? repancies on chain of custod	y)	Yes	V	No		# of preserved bottles checked for pH:
14. Are matric	es correctly identified on Cha	ain of Custody?	Yes	✓	No		(<2 or >12 unless noted)
15. Is it clear v	what analyses were requeste	d?	Yes	V	No		Adjusted?
	olding times able to be met? Ty customer for authorization	.)	Yes		No		Checked by:
Special Han	dling (if applicable)						
17, Was client	notified of all discrepancies	with this order?	Yes	;	No		NA 🗸
Perso	on Notified:	Date:			*********		
By W	/hom:	Via:	eMa	il	Pl	one	Fax In Person
_	rding:						
	t Instructions:						
18. Additional	remarks:						
19. Cooler Inf							
Cooler I	No Temp ºC Condition	Seal Intact Seal No	eal Da	te		Sign	ed By

1 5.6 Good Yes

Page 1 of 1

Chain-of-Custody Record				Turn-Around		ŀ	46		FI	NM	TC	20	NR	4 F N								
Client: BLAGG ENGR. / BP AMERICA			Standard	🗌 Rush _			- HALL ENVIRONMENTA															
				Project Name:		www.hallenvironmental.com																
Mailing Ac	dress:	P.O. BO)	K 87	KEYS GC G # 1R					4901 Hawkins NE - Albuquerque, NM 87109													
		BLOOM	FIELD, NM 87413	Project #:				Tel. 505-345-3975 Fax 505-345-4107														
Phone #:		(505) 63	2-1199				•	1				۵	nal	/sis	Req	ues	t are					
email or F	ax#:			Project Manag	jer:			<u>(4</u>														
QA/QC Package: Image:		NELSON VELEZ																				
Accreditati	ion:			Sampler:	NELSON VE	ELEZ	9NV-	-E S	(Gas,					102,	82 P(sample		
		Other_		On ice:		🗔 No			158	18.1	(T-4)	Ê		Ъ,	/ 80		-			e sa		
	уре)	· · · · · · · · · · · · · · · · · · ·		Sample Temp	érature: 5, l	0		1 -	8	d 4]	d 5(r P	als	ž,	des		VOA	0.0	e	osit		
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO 121743/	-5	BTEX 4-MTBE	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F, Cl, NO3, NO2, PO4,	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Chloride (300.0)	Grab sample	5 pt. composite		
4/4/12	1305	SOIL	5PC-TB @ 6' (95 BGT)	4 oz 2	Cool	-C		V	V	V	<u> </u>		~~	4	~~	~		V		<u>ه</u>		
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11/2	1525	11/1	in v f	f Musltu	black .	Date Time			D IREC eace,				urt f	arm	ingto	n. Ni	M 87	401				
Date: 4/9/12	Time:						·		Orde									401 01GEN	1			

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