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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 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.
12169 Proposed Alte	Pit, Below-Grade Tank, or	Dian Amplication
Type of action: Below Permi Closu Modi Closu or proposed alternative met <i>US-21147 Instructions: Please submit o</i> Please be advised that approval of this request does n	it of a pit or proposed alternative method re of a pit, below-grade tank, or proposed alternation fication to an existing permit/or registration re plan only submitted for an existing permitted or shod one application (Form C-144) per individual pit, below- ot relieve the operator of liability should operations result i	ive method RCUD AUG 25 '14 r non-permitted pit, below-grade tank, -grade tank or alternative request UIL CIMS DIU n pollution of surface water, ground water or the
1.	of its responsibility to comply with any other applicable go	BIOT O
	ny OGRID #:	//0
	n, NM 87401	
Facility or well name:Candelaria Gas Co	om 1	
API Number:3004521147	OCD Permit Number:	
U/L or Qtr/QtrKSection1	8Township29N Range9W0	County:San Juan
	72295Longitude107.82502	
Lined Unlined Liner type: Thickness	MAC P&A Multi-Well Fluid Management La mil LLDPE HDPE PVC Ot Volume:bbl	her
 Below-grade tank: Subsection I of 19.15.1 	7.11 NMAC Tank A pe of fluid:Produced water	
 Secondary containment with leak detection Visible sidewalls and liner Visible sidewalls 	□ Visible sidewalls, liner, 6-inch lift and automatic ov walls only ⊠ Other _Double walled/double bott il □ HDPE □ PVC □ Other	tomed; side walls not visible
4. Alternative Method: Submittal of an exception request is required. E	xceptions must be submitted to the Santa Fe Environme	ntal Bureau office for consideration of approval.

Page 1 of 6

24

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 5. Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks) Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school institution or church) Four foot height, four strands of barbed wire evenly spaced between one and four feet Alternate. Please specify	, hospital,			
 6. <u>Netting</u>: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks) Screen Netting Other Monthly inspections (If netting or screening is not physically feasible) 				
7. Signs: Subsection C of 19.15.17.11 NMAC 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers Signed in compliance with 19.15.16.8 NMAC				
 8. <u>Variances and Exceptions:</u> Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance. <i>Please check a box if one or more of the following is requested, if not leave blank:</i> Variance(s): Requests must be submitted to the appropriate division district for consideration of approval. Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. 				
^{9.} <u>Siting Criteria (regarding permitting)</u> : 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acce material are provided below. Siting criteria does not apply to drying pads or above-grade tanks.	ptable source			
General siting				
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank	□ Yes □ No □ NA			
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA			
 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			
Society; Topographic map Within a 100-year floodplain. (Does not apply to below grade tanks) - FEMA map				
Below Grade Tanks				
 Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site 	🗌 Yes 🗍 No			
 Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No			
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)				
 Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) Topographic map; Visual inspection (certification) of the proposed site 	Yes No			

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

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^{12.} <u>Permanent Pits Permit Application Checklist</u> : Subsection B of 19.15.17.9 NMAC <i>Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the</i>	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 F	Fluid 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	
closure plan. Please indicate, by a check mark in the box, that the documents are attached. Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	
15. <u>Siting Criteria (regarding on-site closure methods only)</u> : 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable sour provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. I 19.15.17.10 NMAC for guidance.	
Ground water is less than 25 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
 Ground water is more than 100 feet below the bottom of the buried waste. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells 	☐ Yes ☐ No ☐ NA
 Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No
 Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	Yes No
 Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application. NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No
Written confirmation or verification from the municipality, Written approval obtained from the municipality	🗌 Yes 🗌 No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	🗌 Yes 🗌 No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	

adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	Yes No
 Within the area overlying a subsurface mine. Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division 	🗌 Yes 🗌 No
 Within an unstable area. Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 	
Within a 100-year floodplain.	Yes 🗌 No
- FEMA map	Yes No
 16. On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15. Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC Maste 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 ca 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 	17.11 NMAC 19.15.17.11 NMAC
17.	
Operator Application Certification:	
L hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and h	pelief
I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and b Name (Print):	
Name (Print): Title:	
Name (Print): Title:	
Name (Print): Title:	
Name (Print):	W20H Owner Northice was
Name (Print):	12014 Owner Network
Name (Print):	120H Owner Northerson ing the closure report. not 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: Area Environmental Advisor					
Signature: Aff Pare	Date:August 25, 2014					
e-mail address:peace.jeffrey@bp.com	Telephone:(505) 326-9479					

BP AMERICA PRODUCTION COMPANY SAN JUAN BASIN, NORTHWEST NEW MEXICO

BELOW-GRADE TANK CLOSURE PLAN

<u>Candelaria Gas Com 1</u> <u>API No. 3004521147</u> <u>Unit Letter K, Section 18, T29N, R9W</u>

This plan will address the standard protocols and procedures for closure of below-grade tanks (BGTs) on BP America Production Company (BP) well sites. As stipulated in Paragraph A of 19.15.17.13 NMAC, BP shall close a BGT within the time periods provided in 19.15.17.13 NMAC, or by an earlier date that the New Mexico Oil Conservation Division (NMOCD) requires because of imminent danger to fresh water, public health, safety or the environment. If deviations from this plan are necessary, any specific changes will be included on form C-144 and approved by the NMOCD. BP shall close an existing BGT that does not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or is not included in Paragraph (5) of Subsection I of 19.15.17.11 NMAC within five years after June 16, 2008, if not retrofit with a BGT that complies with the BP NMOCD approved BGT design attached to the BP Design and Construction Plan. BP shall close an existing BGT that does not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC, if not previously retrofitted to comply with the BP NMOCD approve BGT Design attached to the BP Design and Construction Plan, prior to any sale or change in operator pursuant to 19.15.9.9 NMAC. BP shall close the permitted BGT within 60 days of cessation of the BGTs operation or as required by the transitional provisions of Subsection B, D, or E of 19.15.17.17 NMAC.

General Closure Plan

- BP shall notify the surface owner by certified mail that it plans to close a BGT. Evidence of mailing of the notice to the address of the surface owner shown in the county tax records demonstrates compliance with this requirement.
 No notice was sent. This BGT was removed as part of plug and abandon operations for this well and was not done by the BGT project group. Sufficient notice of the BGT removal by the plug and abandon group was not given to the BGT group in order to get the notice sent as required.
- 2. BP shall notify the division District III office verbally or by other means at least 72 hours, but not more than one (1) week, prior to any closure operation. The notice shall include the operator's name, and the location to be closed by unit letter, section, township and range. If the BGT closure is associated with a particular well, then the notice shall also include the well's name, number and API number.

No notice was sent. This BGT was removed as part of plug and abandon operations for this well and was not done by the BGT project group. Sufficient notice of the BGT removal by the plug and abandon group was not given to the BGT group in order to get the notice sent as required.

- 3. BP shall remove liquids and sludge from the BGT prior to implementing a closure method and dispose of the liquids and sludge in a NMOCD's division-approved facility. The facilities to be used are:
 - a. BP Crouch Mesa Landfarm, Permit NM-02-003 (Solids)
 - b. JFJ Landfarm, Permit NM-01-010(B) (Solids and Sludge)
 - c. Basin Disposal, Permit NM-01-0005 (Liquids)
 - d. Envirotech Inc Soil Remediation Facility, Permit NM-01-0011 (Solids and Sludge)
 - e. BP Operated E.E. Elliott SWD #1, API 30-045-27799 (Liquids)
 - f. BP Operated 13 GCU SWD #1, API 30-045-28601 (Liquids)
 - g. BP Operated GCU 259 SWD, API 30-045-20006 (Liquids)
 - h. BP Operated GCU 306 SWD, API 30-045-24286 (Liquids)
 - i. BP Operated GCU 307 SWD, API 30-045-24248 (Liquids)
 - j. BP Operated GCU 328 SWD, API 30-045-24735 (Liquids)
 - k. BP Operated Pritchard SWD #1, API 30-045-28351 (Liquids)

All liquids and sludge in the BGT were removed and sent to one of the above NMOCD approved facilities for disposal.

4. BP shall remove the BGT and dispose of it in a NMOCD approved facility or recycle, reuse, or reclaim it in a manner that the NMOCD approves. If a liner is present and must be disposed of it will be cleaned by scraping any soils or other attached materials on the liner to a de minimus amount and disposed at a permitted solid waste facility, pursuant to Subparagraph (m) of Paragraph (1) of Subsection C of 19.15.35.8 NMAC. Documentation as to the final disposition of the removed BGT will be provided in the final closure report.

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

BP shall remove any on-site equipment associated with a BGT unless the equipment is required for well production.

All equipment associated with the BGT has been removed.

6. BP shall test the soils beneath the BGT to determine whether a release has occurred. BP shall collect at a minimum: a five (5) point composite sample and individual grab samples from any area that is wet, discolored or showing other evidence of a release and analyze for BTEX, TPH and chlorides. The testing methods for those constituents are as follows;

Constituents	Testing Method	Release Verification	Sample
	95 bbl BGT	(mg/Kg)	results
Benzene	US EPA Method SW-846 8021B or 8260B	0.2	ND
Total BTEX	US EPA Method SW-846 8021B or 8260B	50	ND
TPH	US EPA Method SW-846 418.1	100	ND
Chlorides	US EPA Method 300.0 or 4500B	250 or background	ND

Notes: mg/Kg = milligram per kilogram, BTEX = benzene, toluene, ethylbenzene, and total xylenes, TPH = total petroleum hydrocarbons. Other EPA methods that the division approves may be applied to all constituents listed. Chloride closure standards will be determined by which ever concentration level is greatest.

Soil under the BGT was sampled and TPH, BTEX and chloride levels were below the stated limits. Groundwater was also sampled since it was found beneath the BGT. BTEX levels were below standards. Sampling data is attached.

- 7. BP shall notify the division District III office of its results on form C-141. C-141 is attached.
- If it is determined that a release has occurred, then BP will comply with 19.15.30 NMAC and 19.15.29 NMAC, as appropriate.
 Sampling results indicate no release occurred.
- 9. If the sampling demonstrates that a release has not occurred or that any release does not exceed the concentrations specified above, then BP shall backfill the excavation, with compacted, non-waste containing, earthen material; construct a division-prescribed soil cover, re-contour and re-vegetate the location. The location will be reclaimed if it is not with in the active process area

The area under the BGT was backfilled with clean soil and will be reclaimed with the rest of the site since the well has been plugged and abandoned.

10. BP shall reclaim the BGT location and all areas associated with the BGT including associated access roads to a safe and stable condition that blends with the surrounding undisturbed area. BP shall substantially restore the impacted surface area to the condition that existed prior to oil and gas operations by placement of the soil cover as provided in Subsection H of 19.15.17.13 NMAC, re-contour the location and associated areas to a contour that approximates the original contour and blends with the surrounding topography and re-vegetate according to Subsection I of 19.15.17.13 NMAC.

The area over the BGT will be reclaimed with the rest of the site as part of final reclamation since the well has been plugged and abandoned.

11. The soil cover for closures where the BGT has been removed or remediated to the NMOCD's satisfaction shall consist of the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater. The soil cover will be constructed to the site's existing grade and all practicable efforts will be made to prevent ponding of water and erosion of the cover material.

The area over the BGT will be reclaimed with the rest of the site as part of final reclamation since the well has been plugged and abandoned.

12. BP shall seed the disturbed area the first growing season after closure of the BGT. Seeding will be accomplished by drilling on the contour whenever practical or by other division-approved methods. Vegetative cover will be, at a minimum, 70% of the native perennial vegetative cover (un-impacted by overgrazing, fire or other intrusion damaging to native vegetation), consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintenance of that

cover through two successive growing seasons. During the two growing seasons that prove viability, there shall be no artificial irrigation of the vegetation.

The area over the BGT will be reclaimed with the rest of the site as part of final reclamation since the well has been plugged and abandoned.

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

BP will seed the area as part of final reclamation since the well has been plugged and abandoned.

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

BP will notify NMOCD when re-vegetation is successful.

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

Closure report on C-144 form is included.

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

Certification section of C-144 has been completed.

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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

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

			Rel	ease Notific		and \mathbf{C}		ction		
					cation	OPERAT			ıl Report	Final Report
Name of Co	mnany: B	P				Contact: Jef				
			ington N	M 87401		Telephone No.: 505-326-9479				
Address: 200 Energy Court, Farmington, NM 87401 Facility Name: Candelaria Gas Com 1							e: Natural gas v			
							8		. 300452114′	7
Surface Owner: Private Mineral Owner					Jwner. I			AFINO	. 500452114	/
		·				NOF REI			•	
Unit Letter K	Section 18	Township 29N	Range 9W	Feet from the 1,730	North/ South	South Line	Feet from the 625	East/West Line West	County: San	Juan
		Lat	itude3	6.72295			e107.82502			
				NAT	URE	OF RELI				
Type of Relea		1 4 1	05111				Release: N/A		ecovered: N/A	
Source of Rel	lease: below	w grade tank -	- 95 661			Date and H N/A	our of Occurrenc	ce: Date and	Hour of Disco	very: N/A
Was Immedia	ate Notice (Yes 🗌] No 🖾 Not R	equired	If YES, To	Whom?			
By Whom?	· · ·					Date and H	our			
Was a Watero	course Read	ched?	Yes 🛛	l No		If YES, Vo	lume Impacting t	the Watercourse.		
	se of Probl	em and Reme	dial Actio	n Taken.* Sampli				ne during removal t		
				and chlorides belo v standards. Anal				ampled and analyze	d since water	was found
				en.* BGT was re with the rest of th				T was sampled. Thabandoned.	ne area under t	he BGT was
regulations al public health should their o	l operators or the envi perations h ment. In a	are required t ronment. The nave failed to a addition, NMC	o report an acceptanc adequately OCD accep	nd/or file certain r e of a C-141 repo investigate and r	elease no ort by the emediate	otifications ar NMOCD ma contaminati	nd perform correc arked as "Final R on that pose a thre	nderstand that purs tive actions for rele eport" does not reli eat to ground water responsibility for co	eases which ma eve the operate , surface water	ay endanger or of liability , human health
Signature:	Joly	Place	e				OIL CONS	SERVATION	DIVISION	Ī
Printed Name	: Jeff Peac	e			/	Approved by	Environmental S	pecialist:		
Title: Area Ei	nvironment	al Advisor			/	Approval Dat	e:	Expiration I	Date:	
E-mail Addre	ss: peace.je	effrey@bp.co	m		(Conditions of	Approval:		Attached [
Date: August	t 25, 2014		Phone	: 505-326-9479						

* Attach Additional Sheets If Necessary

÷.

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Lab ID:

Project: CANDELARIA GC #1

1407617-001

Lab Order 1407617 Date Reported: 7/18/2014

Client Sample ID: 4PC-SW @ 2'-4' (95) Collection Date: 7/14/2014 2:00:00 PM Matrix: SOIL

Received Date: 7/15/2014 7:50:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE	ORGANICS				Analyst	BCN
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	7/15/2014 10:47:01 AN	1 14218
Surr: DNOP	82.2	57.9-140	%REC	1	7/15/2014 10:47:01 AM	1 14218
EPA METHOD 8015D: GASOLINE RAN	IGE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.2	mg/Kg	·1	7/15/2014 11:09:45 AM	R19893
Surr: BFB	104	80-120	%REC	1	7/15/2014 11:09:45 AM	I R19893
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.042	mg/Kg	1	7/15/2014 11:09:45 AM	R19893
Toluene	ND	0.042	mg/Kg	1	7/15/2014 11:09:45 AM	R19893
Ethylbenzene	ND	0.042	mg/Kg	1	7/15/2014 11:09:45 AM	R19893
Xylenes, Total	ND	0.085	mg/Kg	1	7/15/2014 11:09:45 AM	R19893
Surr: 4-Bromofluorobenzene	119	80-120	%REC	1	7/15/2014 11:09:45 AM	R19893
EPA METHOD 300.0: ANIONS					Analyst	JRR
Chloride	ND	30	mg/Kg	20	7/15/2014 11:48:37 AM	14229
EPA METHOD 418.1: TPH					. Analyst	: JME
Petroleum Hydrocarbons, TR	ND	20	mg/Kg	1	7/15/2014 12:00:00 PM	14219

gged QC data and preservation information. Ret

Refe	r to tł	e QC Summary report and sample login checkli	st for flagg	ged QC data and preservation in
Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Me
	Е	Value above quantitation range	Н	Holding times for preparation or analy
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2.
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

Page 1 of 9

- Reporting Detection Limit

Analyte detected in the associated Method Blank

Holding times for preparation or analysis exceeded

Analytical Report Lab Order 1407617

Date Reported: 7/18/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg EngineeringProject: CANDELARIA GC #1Lab ID: 1407617-002	Client Sample ID: GW @ 5' (95) Collection Date: 7/14/2014 1:50:00 PM Matrix: AQUEOUS Received Date: 7/15/2014 7:50:00 AM					
Analyses	Result	RL Qua	I Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	JRR
Chloride	45	5.0	mg/L	10	7/15/2014 1:53:12 PM	R19913
EPA METHOD 8260: VOLATILES SHO	ORT LIST	·			Analyst	: KJH
Benzene	ND	1.0	µg/L	1	7/15/2014 12:52:11 PM	R19889
Toluene	ND	1.0	µg/L	1	7/15/2014 12:52:11 PM	R19889
Ethylbenzene	ND	1.0	µg/L	1	7/15/2014 12:52:11 PM	R19889
Xylenes, Total	ND	2.0	µg/L	1	7/15/2014 12:52:11 PM	R19889
Surr: 1,2-Dichloroethane-d4	87.7	70-130	%REC	1	7/15/2014 12:52:11 PM	R19889
Surr: 4-Bromofluorobenzene	90.5	70-130	%REC	1	7/15/2014 12:52:11 PM	R19889
Surr: Dibromofluoromethane	90.9	70-130	%REC	1	7/15/2014 12:52:11 PM	R19889
Surr: Toluene-d8	95.4	70-130	%REC	1	7/15/2014 12:52:11 PM	R19889

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

	Value exceeds Maximum Contaminant Level.		В	Analyte detected in the associated Metho	od Blank
E	Value above quantitation range		Н	Holding times for preparation or analysis	s exceeded
J	Analyte detected below quantitation limits		ND	Not Detected at the Reporting Limit	Page 2 of 9
0	RSD is greater than RSDlimit		Р	Sample pH greater than 2.	1 age 2 01 7
R	RPD outside accepted recovery limits		RL	Reporting Detection Limit	
S	Spike Recovery outside accepted recovery limits				
	J	J Analyte detected below quantitation limitsO RSD is greater than RSDlimitR RPD outside accepted recovery limits	J Analyte detected below quantitation limitsO RSD is greater than RSDlimitR RPD outside accepted recovery limits	JAnalyte detected below quantitation limitsNDORSD is greater than RSDlimitPRRPD outside accepted recovery limitsRL	JAnalyte detected below quantitation limitsNDNot Detected at the Reporting LimitORSD is greater than RSDlimitPSample pH greater than 2.RRPD outside accepted recovery limitsRLReporting Detection Limit

QU SUIVIIVIARI KEPURI	WO#:	
Hall Environmental Analysis Laboratory, Inc.	_	1

Client: Blagg Engineering CANDELARIA GC #1 **Project:**

Sample ID MB-14229	SampType: MBLK	TestCode: EPA Method	300.0: Anions		
Client ID: PBS	Batch ID: 14229	RunNo: 19915			
Prep Date: 7/15/2014	Analysis Date: 7/15/2014	SeqNo: 578776	Units: mg/Kg		
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit	Qual
Chloride	ND 1.5				
Chloride Sample ID LCS-14229	ND 1.5 SampType: L CS	TestCode: EPA Method	300.0: Anions		
Chloride Sample ID LCS-14229 Client ID: LCSS		TestCode: EPA Method RunNo: 19915	300.0: Anions		
Sample ID LCS-14229	SampType: LCS		300.0: Anions Units: mg/Kg		
Sample ID LCS-14229 Client ID: LCSS	SampType: LCS Batch ID: 14229 Analysis Date: 7/15/2014	RunNo: 19915		RPDLimit	Qual

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- Value above quantitation range Ē
- Analyte detected below quantitation limits J
- RSD is greater than RSDlimit 0
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- В Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit
- р Sample pH greater than 2.
- RL Reporting Detection Limit

Page 3 of 9

18-Jul-14

1407617

WO#: 1407617

18-Jul-14

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Hall Environmental Analysis Laboratory, Inc.

Client:Blagg EngineeringProject:CANDELARIA GC #1

Sample ID MB	SampType	MBLK	TestC	ode: EPA Method	300.0: Anions	5		
Client ID: PBW	Batch ID:	R19913	Rur	nNo: 19913				
Prep Date:	Analysis Date:	7/15/2014	Sec	qNo: 578716	Units: mg/L			
Analyte	Result P	QL SPK value	SPK Ref Val	%REC LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND							
	ND ().50						
Sample ID LCS	ND (SampType		TestC	ode: EPA Method	300.0: Anions	;		
		LCS		code: EPA Method nNo: 19913	300.0: Anions	;		<u> </u>
Sample ID LCS	SampType	LCS R19913	Rur		300.0: Anions Units: mg/L	3		
Sample ID LCS Client ID: LCSW	SampType Batch ID: Analysis Date:	LCS R19913 7/15/2014	Rur Sec	nNo: 19913		%RPD	RPDLimit	Qual

Qualifiers:

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

Page 4 of 9

QC	SUMMARY I	REPOR	Γ	
Hall	Environmental	Analysis	Laboratory,	, Inc.

WO#: 1407617

18-Jul-14

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Client: Blagg Engineering

Project: CAND	ELARIA GC #1			
Sample ID MB-14219	SampType: MBLK	TestCode: EPA Method	418.1: TPH	
Client ID: PBS	Batch ID: 14219	RunNo: 19872		
Prep Date: 7/15/2014	Analysis Date: 7/15/2014	SeqNo: 577782	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Petroleum Hydrocarbons, TR	ND 20			
Sample ID LCS-14219	SampType: LCS	TestCode: EPA Method	418.1: TPH	<u>_</u>
Client ID: LCSS	Batch ID: 14219	RunNo: 19872		
Prep Date: 7/15/2014	Analysis Date: 7/15/2014	SeqNo: 577783	Units: mg/Kg	,
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Petroleum Hydrocarbons, TR	90 20 100.0	0 89.8 80	120	
Sample ID LCSD-14219	SampType: LCSD	TestCode: EPA Method	418.1: TPH	· · · ·
Client ID: LCSS02	Batch ID: 14219	RunNo: 19872		
Prep Date: 7/15/2014	Analysis Date: 7/15/2014	SeqNo: 577784	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Petroleum Hydrocarbons, TR	91 20 100.0	0 91.2 80	120 1.46	20

Qualifiers:

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

Page 5 of 9

1 4.50 5 61

Hall Environmental Analysis	s Laboratory, Inc.
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WO#: 1407617

18-Jul-14

Client: Blagg Engineering **Project:**

CANDELARIA GC #1

Sample ID MB-14218	SampT	Гуре: МІ	3LK	Tes	tCode: El	PA Method	8015D: Dies	el Range (Drganics	
Client ID: PBS	Batcl	h ID: 14	218	F	RunNo: 1	9870				
Prep Date: 7/15/2014	Analysis E	Date: 7/	15/2014	S	SeqNo: 5	77863	Units: mg/K	ξg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO) Surr: DNOP	ND 7.7	10	10.00		77.0	57.9	140			
Sample ID LCS-14218	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015D: Diese	el Range C	Drganics	
Client ID: LCSS	Batch	n ID: 14	218	F	RunNo: 1	9870				
Prep Date: 7/15/2014	Analysis D)ate: 7 /	15/2014	S	SeqNo: 5	77864	Units: mg/K	g		
				SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Analyte	Result	PQL	SPK value	SPK Rei vai		Lonenne	riigiieinii		TH DEITH	Quai
Analyte Diesel Range Organics (DRO)	Result 49	PQL 10	50.00	O D	97.3	68.6	130			Qua

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- Е Value above quantitation range
- Analyte detected below quantitation limits J
- RSD is greater than RSDlimit Ο
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits S
- В Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit
- р Sample pH greater than 2.
- Reporting Detection Limit RL

Page 6 of 9

Hall Environmenta	l Analysis	Laboratory, Inc.
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WO#: 1407617

18-Jul-14

Client:Blagg EngineeringProject:CANDELARIA GC #1

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Sample ID MB-14213 MK	Samp	Туре: М	BLK	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	e	
Client ID: PBS	Batc	h ID: R1	9893	F	RunNo: 1	9893				
Prep Date:	Analysis [Date: 7/	15/2014	S	SeqNo: 5	78416	Units: mg/H	۲g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 1000	5.0	1000		101	80	120			
Sample ID LCS-14213 MK	Samp	Type: LC	S	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Batc	h ID: R1	9893	F	RunNo: 1	9893				
Prep Date:	Analysis [Date: 7/	15/2014	S	SeqNo: 5	78417	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
		= 0	05.00	0	91.7	71.7	134			
Gasoline Range Organics (GRO)	23	5.0	25.00	0	51.7	71.7	1.04			

Qualifiers:

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

Hall Environmenta	l Analysis	Laboratory, I	nc.
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Client: Blagg Engineering

Project: CANDELARIA GC #1

Sample ID MB-14213 MK	Samp	Type: ME	BLK	, Test	Code: El	PA Method	8021B: Volat	tiles		
Client ID: PBS	Batc	h ID: R1	9893	R	tunNo: 1	9893				
Prep Date:	Analysis [Date: 7/	15/2014	S	eqNo: 5	78456	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-Bromofluorobenzene	1.2		1.000		117	80	120			
Sample ID LCS-14213 MK	Samp	Type: LC	S	Test	Code: El	PA Method	8021B: Volat	tiles		
Client ID: LCSS	Batc	h ID: R1	9893	R	unNo: 1	9893				
Prep Date:	Analysis (Date: 7/	15/2014	S	eqNo: 5	78457	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Quai
Benzene	0.00	0.050	1 0 0 0				100			
DONZONG	0.88	0.050	1.000	0	87.8	80	120			
Toluene	0.88 0.86	0.050 0.050	1.000 1.000	0 0	87.8 86.2	80 80	120 120			
Toluene				-						
Toluene Ethylbenzene	0.86	0.050	1.000	0	86.2	80	120			
	0.86 0.88	0.050 0.050	1.000 1.000	0	86.2 87.6	80 80	120 120			

Qualifiers:

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

Page 8 of 9

1407617 *18-Jul-14*

WO#:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

RPD outside accepted recovery limits Spike Recovery outside accepted recovery limits S

Value above quantitation range

RSD is greater than RSDlimit

Value exceeds Maximum Contaminant Level.

Analyte detected below quantitation limits

Qualifiers:

*

Е

J

0

R

Client: Blagg Engineering CANDELARIA GC #1 **Project:**

Sample ID SampType: MBLK TestCode: EPA Method 8260: Volatiles Short List														
Client ID: PBW	Batcl	n ID: R1	9889	R	RunNo: 19889									
Prep Date:	Analysis Date: 7/15/2014			S	eqNo: 5	78608	Units: µg/L							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Benzene	ND	1.0												
Toluene	ND	1.0												
Ethylbenzene	ND	1.0												
Xylenes, Total	ND	1.5												
Surr: 1,2-Dichloroethane-d4	8.9	•	10.00		88.9	70	130							
Surr: 4-Bromofluorobenzene	9.0		10.00		90.1	70	130							
Surr: Dibromofluoromethane	8.8		10.00		88.3	70	130							
Surr: Toluene-d8	9.3		10.00		92.6	70	130							
Sample ID 100ng Icsc	Samp1	ype: LC	S	Tes	Code: Ef	PA Method	8260: Volatile	es Short L	.ist					
Sample ID 100ng Icsc Client ID: LCSW	•	Type: LC			Code: Ef		8260: Volatile	es Short L	.ist					
	•	n ID: R1	9889	R		9889	8260: Volatile Units: μg/L	es Short L	ist					
Client ID: LCSW	Batcl	n ID: R1	9889 15/2014	R	unNo: 1	9889		s Short L %RPD	.ist RPDLimit	Qual				
Client ID: LCSW Prep Date: Analyte	Batcl Analysis [n ID: R1 Date: 7 /	9889 15/2014	R	unNo: 19 eqNo: 5	9889 78609	Units: µg/L			Qual				
Client ID: LCSW Prep Date:	Batcl Analysis D Result	Di ID: R1 Date: 7 /	9889 15/2014 SPK value	R S SPK Ref Val	unNo: 19 eqNo: 5 %REC	9889 78609 LowLimit	Units: µg/L HighLimit			Qual				
Client ID: LCSW Prep Date: Analyte Benzene	Batcl Analysis E Result 22	Date: 7/ PQL 1.0	9889 15/2014 SPK value 20.00	R S SPK Ref Val 0	unNo: 1 9 eqNo: 5 7 %REC 112	9889 78609 LowLimit 70	Units: µg/L HighLimit 130			Qual				
Client ID: LCSW Prep Date: Analyte Benzene Toluene	Batcl Analysis E Result 22 22	Date: 7/ PQL 1.0	9889 15/2014 SPK value 20.00 20.00	R S SPK Ref Val 0	unNo: 19 eqNo: 5 %REC 112 110	2889 78609 LowLimit 70 80	Units: µg/L HighLimit 130 120			Qual				
Client ID: LCSW Prep Date: Analyte Benzene Toluene Surr: 1,2-Dichloroethane-d4	Batch Analysis E Result 22 22 8.9	Date: 7/ PQL 1.0	9889 15/2014 SPK value 20.00 20.00 10.00	R S SPK Ref Val 0	unNo: 19 eqNo: 5 %REC 112 110 88.8	2889 78609 LowLimit 70 80 70	Units: µg/L HighLimit 130 120 130			Qual				

В Analyte detected in the associated Method Blank

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit ND

р Sample pH greater than 2.

Reporting Detection Limit RL

Page	9	of 9
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1407617 18-Jul-14

WO#:

HALL ENVIRONMENTAL ANALYSIS LABORATORY

J

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name:	BLAGG	Work Order Number	er: 1407	617		ReptNo: 1					
Received by/da	ate: M07/	15/14		-							
Logged By:	Anne Thorne	7/15/2014 7:50:00 A	м		Anne /	ha					
Completed By:	Anne Thorne	7/15/2014			Avne 's Avne 's	1					
Reviewed By:	MG	Onli5/14									
Chain of Cu	stody	<u> </u>									
1. Custody se	ais intact on sample bottle	s?	Yes		No]	Not Present				
2. Is Chain of	Custody complete?		Yes	\checkmark	No [Not Present				
3. How was th	ne sample delivered?		<u>Cou</u>	<u>rier</u>							
<u>Log In</u>											
4. Was an att	tempt made to cool the sa	mples?	Yes		No [NA 🗆				
5. Were all sa	mples received at a temp	erature of >0° C to 6.0°C	Yes		No []	NA 🗌				
6. Sample(s)	in proper container(s)?		Yes		No [
7. Sufficient s	ample volume for indicate	d test(s)?	Yes	✓	No 🗌]					
8. Are sample	s (except VOA and ONG)	properly preserved?	Yes	\checkmark	No 🗌]					
9. Was preser	rvative added to bottles?		Yes		No 🗹		NA 🗌				
10.VOA vials h	nave zero headspace?		Yes		No []	No VOA Vials 🗌				
11. Were any s	sample containers receive	d broken?	Yes		No 🖻		# of preserved bottles checked				
	rwork match bottle labels? epancies on chain of custo		Yes		No 🗌	-	for pH:	>12 unless noted)			
-	es correctly identified on C		Yes		No [ן נ	Adjusted?				
	hat analyses were reques	-	Yes		No 🗌	ן נ	. —				
15. Were all ho	lding times able to be met v customer for authorization	?	Yes		No 🗌	ן נ	Checked by:				
Special Hand	dling (if applicable)										
	notified of all discrepancie	s with this order?	Yes		No 🗌]	NA 🗹				
Perso	n Notified:	Date									
By W	/hom:	Via:	eMa	ail 🔲 I	Phone 🔲 Fi	ax [In Person				
Rega	rding:	· · · · · · · · · · · · · · · · · · ·	анан 14. на на н	· · · · · · ·		•••••					
Client	t Instructions:						····				
17. Additional	remarks:										

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By	•
1	1.9	Good	Yes				

Client:	BLAG	G ENGR.	Custody Record Same ENGR. / BP AMERICA Standard Rush Project Name: Project Name:				91 a. 91 a. 24 a.		A	N	al'	LYSIS LABORATORY							
Mailing Ac	dress:	P.O. BO	K 87	CANDELARIA GC # 1 Project #:				49	01 H										
		BLOOM	FIELD, NM 87413				4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107												
Phone #: (505) 632-1199		-			Analysis Request														
email or F	ax#:			Project Manag	er:							·	-	()			न		
QA/QC Package:		NELSON VELEZ			(8021B)	Gas only)	1 miles			S)		04,SO	ŝ		er - 300.1)		sample		
Accreditation:		Sampler: NELSON VELEZ						ਜ	(त	SIM		02,6	8082		/ water				
	•	D Other		On Ice:	∕¥es	No .		Hd	/ DRO	418.1)	8	270		N, S, S,	~	বি	0.0/		e sa
	ype)			Sample Tempe	raturé (, G			L + 3	GRC	po 4	g	5 S	tals	N N N	A) (- 30	٩	osite
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEALNO 1407617	BTEX +-MTOE	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO	TPH (Method	EDB (Method 504.1)	PAH (8310 or 8270SIMS)	RCRA 8 Metals	Anions (F,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8260B (VOA)	8270 (Semi-VOA)	Chloride (soil - 300.0	Grab sample	4 pt. composite
7/14/14	1400	SOIL	4PC - SW @ 2' - 4' (95)	4 oz 1	Cool		۷		۷	۷							V		٧
7/14/14	1350	WATER	GW @ 5' (95)	40 ml VOA - 2	HCl & Cool	-202												V	
						tronisty	!					_							
7/14/14	1350	WATER	GW @ 5' (95)	500 ml - 1	Cool	TUB											V	V	
						· · · · · · · · · · · · · · · · · · ·													
																			ŀ
			· 																
•			· · · · · · · · · · · · · · · · · · ·																
							1											Ì	
Date:	Time:	Relinquish	ed by:	Received by:		Date Time	Ren	nark	s:										
7/14/14	1545	10	mul	Christia	Wate	1/11/14 1545	BILL DIRECTLY TO BP: Jeff Peace, 200 Energy Court, Farmington, NM 87401 Work Order: NIS375697 Paykey: ZFEIRKOSJS												
Date:	Time:	Relinquishe	ed by: (/	Received by:	1	Date Time													
714/14	1910	1 Thi	Halts ubmitted to Hall Environmental may be s		071	15/KF0750)		UFK U	ruer	. <u>P</u>	<u> </u>		0/		гауке	/:			

