. District I 1625 N. French Dr., Hobbs, NM 88240 District II Bill 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

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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 April 3, 2017

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

Pit, Below-Grade Tank, or
Proposed Alternative Method Permit or Closure Plan Application
Type of action: Below grade tank registration OIL CONS. DIV DIST. 3 Permit of a pit or proposed alternative method
Closure of a pit, below-grade tank, or proposed alternative method Modification to an existing permit/or registration Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank,
or proposed alternative method
Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternative request
Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.
Derator: BP America Production Company OGRID #: 778
Address: 200 Energy Court, Farmington, NM 87401
Facility or well name: NEBU 037
API Number: 3004513344 OCD Permit Number: U/L or Qtr/Qtr B Section 06 Township 30N Range 07W Center of Proposed Design: Latitude 36.847837 Longitude -107.610081
Center of Proposed Design: Latitude 36.847837 Longitude -107.610081 NAD83
Surface Owner: 🔳 Federal 🗌 State 🗌 Private 🗌 Tribal Trust or Indian Allotment
2.
Pit: Subsection F, G or J of 19.15.17.11 NMAC
Temporary: Drilling Workover
Permanent Emergency Cavitation P&A Multi-Well Fluid Management Low Chloride Drilling Fluid yes no
Lined Unlined Liner type: Thickness mil LLDPE HDPE PVC Other
String-Reinforced
Liner Seams: Welded Factory Other Volume: bbl Dimensions: L x W x D
3. TANK A
Volume: 35 bbl Type of fluid: Produced Water
Tank Construction material: Steel
Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
□ Visible sidewalls and liner □ Visible sidewalls only ■ Other Double wall/ Double bottom; sidewalls not visible
Liner type: Thickness mil HDPE PVC Other
4.
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.
Sublinital of an exception request is required. Exceptions must be sublinited to the Santa Fe Environmental Bureau office for consideration of approval.
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, hospital,
institution or church)
Four foot height, four strands of barbed wire evenly spaced between one and four feet
Alternate. Please specify

Oil Conservation Division

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6. 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)							
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.							
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. 							
9. Siting Criteria (regarding permitting): 19.15.17.10 NMAC							
Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acce	ptable 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	Yes No						
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells							
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 							
Within the area overlying a subsurface mine. (Does not apply to below grade tanks)	Yes No						
- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division							
 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 	Yes No						
Society; Topographic map							
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).	Yes No						
- Topographic map; Visual inspection (certification) of the proposed site							
 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.)	🗌 Yes 🗌 No						
- Topographic map; Visual inspection (certification) of the proposed site							
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						
The office of the blace Engineer - I was have database search, visual inspection (certification) of the proposed site							

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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 Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the dot 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 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.10 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 Previously Approved Design (attach copy of design) API Number:	cuments are 9 NMAC 15.17.9 NMAC
11.	
Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the dot attached.	
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 attached.</i>	documents are
 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. Proposed Closure: 19.15.17.13 NMAC	
Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.	
Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Multi-well F	luid 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 	
14. Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be	attached to the
closure plan. Please indicate, by a check mark in the box, that the documents are attached. 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	anachea to the
15.	
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable sour provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. F 19.15.17.10 NMAC for guidance.	
 Ground water is less than 25 feet below the bottom of the buried waste. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells 	□ Yes □ No □ NA
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
 Ground water is more than 100 feet below the bottom of the buried waste. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells 	□ Yes □ No □ NA
 Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No
 Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	🗌 Yes 🗌 No
 Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application. NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	🗌 Yes 🗌 No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	Yes No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	
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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 	Yes No
Within a 100-year floodplain. - 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 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. Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC 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 5.17.11 NMAC
17. Operator Application Certification: I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and beli Name (Print): Title:	
Signature: Date:	
e-mail address: Telephone:	
18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature:	2018
19. <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. Closure Completion Date: <u>11/9/2017</u>	
 20. Closure Method: Waste Excavation and Removal On-Site Closure Method Alternative Closure Method Waste Removal (Closed-lo If different from approved plan, please explain. 	op systems only)
 21. Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please intermark in the box, that the documents are attached. Proof of Closure Notice (surface owner and division) Proof of Deed Notice (required for on-site closure for private land only) Plot Plan (for on-site closures and temporary pits) Confirmation Sampling Analytical Results (if applicable) Waste Material Sampling Analytical Results (required for on-site closure) Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique 	licate, by a check

Oil Conservation Division

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): Erin Garifalos

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22.

Signature:

Title: Field Environmental Coordinator

erin garifalos

Date: January 9, 2018

e-mail address: erin.garifalos@bp.com

Telephone: (832) 609-7048

BP AMERICA PRODUCTION COMPANY SAN JUAN BASIN, NORTHWEST NEW MEXICO

BELOW-GRADE TANK CLOSURE PLAN

NEBU 037

API No. 3004513344

Unit Letter B Section 06 T 30N R 07W

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

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1. BP shall notify the surface owner by certified mail that it plans to close a BGT. Evidence of mailing of the notice to the address of the surface owner shown in the county tax records demonstrates compliance with this requirement.

Notice is attached.

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.

Notice was provided and is attached.

- 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 for recycling.

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

All equipment associated with the BGT has been removed.

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

Constituents	Testing Method	Release Verification	Sample
	35 bbl BGT	(mg/Kg)	results
Benzene	US EPA Method SW-846 8021B or 8260B	10	< 0.022
Total BTEX	US EPA Method SW-846 8021B or 8260B	50	< 0.086
TPH	US EPA Method SW-846 418.1 or 8015 extended	100	<46
Chlorides	US EPA Method 300.0 or 4500B	620	<30

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 for chloride, TPH and BTEX with all concentrations below the stated limits. The field report and laboratory reports are attached.

BP shall notify the division District III office of its results on form C-141.
 C-141 is attached.

BP BGT Closure Plan 04-01-2010

8. If it is determined that a release has occurred, then BP will comply with 19.15.30 NMAC and 19.15.29 NMAC, as appropriate.

Sampling results indicate a release has not occurred. Attached is a laboratory report and C-141.

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

Sampling results indicate a release has not occurred. Attached is a laboratory report and field report. The location will be reclaimed when the well is 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 has been backfilled and a 105 BBL shallow low profile above-grade tank set atop BGT location. The location will be reclaimed once the well is 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 has been backfilled and a 105 BBL shallow low profile above-grade tank set atop BGT location. The location will be reclaimed once the well is 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 has been backfilled and a 105 BBL shallow low profile above-grade tank set atop BGT location. The location will be reclaimed once the well is 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.

The area has been backfilled and a 105 BBL shallow low profile above-grade tank set atop BGT location. The location will be reclaimed once the well is plugged and abandoned.

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

The area has been backfilled and a 105 BBL shallow low profile above-grade tank set atop BGT location. The location will be reclaimed once the well is plugged and abandoned.

- 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 including photos of reclamation completion.

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 April 3, 2017

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.

Release Notification and Corrective Action

						OPERA	ГOR		🗌 Initia	al Report		Final Report	
Name of Co			Contact Erin Garifalos										
Address 20			Telephone No. (832) 609-7048										
Facility Nat	neNEBU	037				Facility Type: Natural Gas Well							
Surface Ow	ner: Fed	eral		Mineral C)wner:	Federal			API No	.300451	3344		
				LOCA	TIO	N OF RE	LEASE						
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/	West Line	County		1	
В	06	30N	07W	420	Nor	th	1,900	Eas	st	5	an	Juan	
			Latitud	e ^{36.847837}	Le	ongitude1	07.610081	NAD	83				
				NAT	URE	OF REL	EASE						
Type of Rele	ase:: none	Э					Release: : unkn			Recovered: :			
Source of Re	lease: belo	ow grade ta	nk - 35	bbl		Date and H	Iour of Occurren	ce:	Date and n/a	Hour of Dis	covery:		
Was Immedia		Given?		No 🗌 Not Ro	equired	If YES, To	Whom?		1.0.0				
By Whom?					-	Date and H	Iour						
Was a Water	course Read					If YES, Vo	olume Impacting	the Wat	ercourse.				
			Yes 🗸	No									
If a Watercou	irse was Im	pacted, Descr	ibe Fully. [*]										
Describe Cau	use of Probl	em and Reme	dial Action	Sam Soil a	analys	is resulte	beneath the d for Chloric Field reports	des, T	PH and	BTEX b	elow	BGT	
Describe Are	a Affected	and Cleanup A	Action Tak	No furth		tion nece n is requ	ssary. Fina ired.	l labo	ratory ar	nalysis d	eterr	nined no	
regulations a public health should their o or the environ	Il operators or the envi operations h mment. In a	are required to ronment. The nave failed to a	o report an acceptance adequately OCD accep	is true and comp d/or file certain r e of a C-141 repo investigate and r tance of a C-141	elease no ort by the emediate	otifications and NMOCD m e contaminati	nd perform corre arked as "Final F on that pose a th	ctive act Report" of reat to g	tions for rele does not reli round water	eases which eve the oper , surface wa	may en ator of ter, hur	danger liability nan health	
							OIL CON	SERV	ATION	DIVISIC	N		
l	rung	Wilfald	4										
Signature:	0	U				Approved by	Environmental S	Specialis	st:				
Printed Name	Signature: Printed Name: Erin Garifalos												
		onmenta		rdinator		Approval Dat	te:		Expiration 1	Date:			
E-mail Addre	ess: erin.	garifalos	@bp.	com		Conditions of	f Approval:			Attached			
Date: Janua	ary 9, 20	18	Phone:	(832) 609-70	048	Attached							

* Attach Additional Sheets If Necessary

bp



BP America Production Company 200 Energy Court Farmington, NM 87401

November 3, 2017

Bureau of Land Management Whitney Thomas 6251 College Suite A Farmington, NM 87402

VIA EMAIL

Re: Notification of plans to close/remove a below grade tank Well Name: NORTHEAST BLANCO UNIT 37 API #: 3004513344

Dear Mrs. Thomas,

As part of the NM "Pit Rule": 19.15.17.13 Closure Requirements, Paragraph J. BP America Production Company (BP) is required to notify the surface owner of BP's plans to close/remove a below grade tank. BP wishes to inform you of our plans to close/remove the below grade tank on its well pad located on your surface. BP plans to commence this work on or about November 7, 2017. If there aren't any unforeseen problems, the work should be completed within 10 working days.

As a point of clarification, BP will be closing the below grade tank and either operating without one or replacing it with an above ground tank, the well site will continue to operate.

If witnessing of the tank removal is required please contact me for a specific time (832)-609-7048.

Sincerely,

Erin Garifalos

BP America Production Company

From: To: Cc: Subject: Date:

×

Buckley, Farrah (CH2M HILL) Smith, Cory, EMNRD; Fields, Vanessa, EMNRD (Vanessa, Fields@state.nm.us) jeffcblagg@aol.com; blagg_njv@yahoo.com; Garifalos, Erin BP Pit Close Notification - NORTHEAST BLANCO UNIT 37 Friday, November 03, 2017 10:49:14 AM

> BP America Production Company 200 Energy Court Farmington, NM 87401 Phone: (505) 326-9200

SENT VIA E-MAIL TO: <u>CORY.SMITH@STATE.NM.US;</u> <u>VANESSA.FIELDS@STATE.NM.US</u>

November 3, 2017

New Mexico Oil Conservation Division 1000 Rio Brazos Road Aztec, New Mexico 87410

RE: Notice of Proposed Below-Grade Tank (BGT) Closure

NORTHEAST BLANCO UNIT 37 API 30-045-13344 (B) Section 6 – T30N – R07W San Juan County, New Mexico

Dear Mr. Cory Smith and Mrs. Vanessa Fields,

In regards to the captioned subject and requirements of the NMOCD pit rule, this letter is notification that BP is planning to close a 95bbl BGT that will no longer be operational at this well site. We anticipate this work to start on or around November 7, 2017.

Should you have any questions, please feel free to contact BP at our Farmington office.

Sincerely,

Erin Garifalos

Field Environmental Coordinator – San Juan Cell: 832-609-7048

Farrah Buckley BGT Project Support 970-946-9199 -cell

je.

This email and any attachments are intended only for the addressee(s) listed above and may contain confidential, proprietary, and/or privileged information. If you are not an intended recipient, please immediately advise the sender by return email, delete this email and any attachments, and destroy any copies of same. Any unauthorized review, use, copying disclosure or distribution of this email and any attachments is prohibited.

CLIENT: BP	API #: 3004513344									
	(505) 632-1199									
FIELD REPORT:	(circle one): BGT CONFIRMATI	ON / RELEASE INVESTIGATION /	OTHER:	PAGE #: _1 of _1						
SITE INFORMATION	SITE NAME: NEB	U # 37		DATE STARTED: 11/07/17						
QUAD/UNIT: B SEC: 6 TWP:	30N RNG: 7W	PM: NM CNTY: SJ	ST: NM	DATE FINISHED:						
1/4 -1/4/FOOTAGE: 420'N / 1,90)'E NW/NE LEA	ASE TYPE: FEDERAL / STATE	/ FEE / INDIAN	ENVIRONMENTAL						
LEASE #: SF079042	PROD. FORMATION:	CONTRACTOR: BP - J. G	ONZALES	SPECIALIST(S): NJV						
REFERENCE POINT	WELL HEAD (W.H.)	GPS COORD.: 36.8478	55 X 107.609869	GL ELEV.: 6,165'						
1) 35 BGT (DW/DB) - A	GPS COORD .:	36.847837 X 107.610081	DISTANCE/BEA	RING FROM W.H.: 63', S84W						
2)	GPS COORD .:		DISTANCE/BEA	RING FROM W.H.:						
3)	GPS COORD .:		DISTANCE/BEA	RING FROM W.H.:						
4)	GPS COORD.:		DISTANCE/BEA							
SAMPLING DATA:	CHAIN OF CUSTODY RECORD			OVM READING (ppm)						
1) SAMPLE ID: 5PC - TB @ 4'		1/07/17 SAMPLE TIME: 1315		15B/8021B/300.0 (CI) 0.0						
2) SAMPLE ID: 3) SAMPLE ID:										
4) SAMPLE ID:										
5) SAMPLE ID:	SAMPLE DATE:	SAMPLE TIME:	LAB ANALYSIS:							
SOIL DESCRIPTION SOIL COLOR: MODE COHESION (ALL OTHERS): NON COHESIVE (SLIGHTL CONSISTENCY (NON COHESIVE SOILS): CO MOISTURE: DRY (SLIGHTLY MOIST) MOIST / W SAMPLE TYPE: GRAB (COMPOSITE) # DISCOLORATION/STAINING OBSERVED: YES SITE OBSERVATION APPARENT EVIDENCE OF A RELEASE OBSERVE EQUIPMENT SET OVER RECLAIMED AREA: OTHER: MOCO OR BLM REPS. NOT PR	RATE BROWN COHESIVE COHESIVE / HIGHLY COHE DOSE FIRM DENSE / VERY DEN ET / SATURATED / SUPER SATURATE OF PTS	PLASTICITY (CLAYS): NON PLAS SME DENSITY (COHESIVE CLAYS HC ODOR DETECTED: YES M ANY AREAS DISPLAYING WETN MENT: YES NO EXPLANATION- EXPLANATION: BBL SHALLOW LOW PROFIL	TIC (SLIGHTLY PLASTIC C & SILTS): SOFT (FIRM) D EXPLANATION IESS: YES NO EXPLAI	NATION						
EXCAVATION DIMENSION ESTIMATION:	NA ft. X N	Aft. XNAft.	EXCAVATION EST	TIMATION (Cubic Yards) : NA						
DEPTH TO GROUNDWATER: >100' N	EAREST WATER SOURCE: >1,	,000' NEAREST SURFACE WATER	R: <1,000' NMOC	CD TPH CLOSURE STD: 1,000 ppm						
BEF FENCE NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATIO	PROD. TANK	B = BELOW; T.H. = TEST HOLE; ~ = APPRO>		D ppm = parts per million BGT Sidewalls Visible: Y / N BGT Sidewalls Visible: Y / N BGT Sidewalls Visible: Y / N						
T.B. = TANK BOTTOM; PBGTL = PREVIOUS BEL APPLICABLE OR NOT AVAILABLE; SW - SINGLI			IG WALL; NA - NOT	lagnetic declination: 10° E						
NOTES: GOOGLE EARTH IMAG		ONSITE: <u>11/07</u>	//17							

Hall Environmental Anal	ysis Laborat	ory, Inc.			Lab Order 1711382 Date Reported: 11/9/201	17
CLIENT: Blagg EngineeringProject: NEBU #37Lab ID: 1711382-001	Matrix: S	OIL	Collection I	Date: 11/	C-TB @ 4' (35) 7/2017 1:15:00 PM 8/2017 7:00:00 AM	
Analyses	Result	PQL Q	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	
Chloride EPA METHOD 8015M/D: DIESEL RA	ND NGE ORGANICS	30	mg/Kg	20	11/8/2017 1:09:00 PM Analyst:	34889 TOM
Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP	ND ND 85.9	9.3 46 70-130	mg/Kg mg/Kg %Rec	1 1 1	11/8/2017 9:54:26 AM 11/8/2017 9:54:26 AM 11/8/2017 9:54:26 AM	34882 34882 34882
EPA METHOD 8015D: GASOLINE R Gasoline Range Organics (GRO) Surr: BFB	ANGE ND 109	4.3 15-316	mg/Kg %Rec	1 1	Analyst: 11/8/2017 11:13:27 AM 11/8/2017 11:13:27 AM	34869
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene	ND ND ND 109	0.022 0.043 0.043 0.086 80-120	mg/Kg mg/Kg mg/Kg mg/Kg %Rec	1 1 1 1	11/8/2017 11:13:27 AM 11/8/2017 11:13:27 AM 11/8/2017 11:13:27 AM 11/8/2017 11:13:27 AM 11/8/2017 11:13:27 AM	34869 34869

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 1 of 6
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report

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Se	0181 C121	Date: Time:	LhS1 4/4	Date; Time:							CLSI 1 11-11		"/1/17 1315	Date Time	EDD (Type)	O NELAP	Accreditation:	 Standard 	email or Fax#:	Phone #:		Mailing Address:		Client: BLAC	Chain-
ary, samples	Kin	Relinquished by:	2	Relinquished							3016-		SOIL	Matrix		Other				(505) 6	BLOON	P.O. BOX 87		GENGR	of-Cu
ary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.	Martin I Jarla	1	Mr. V	ing by:							JPC-180 11 (10)		5PC - TB @ 4/ ' (35)	Sample Request ID				Level 4 (Full Validation)		(505) 632-1199	BLOOMFIELD, NM 87413	X 87		BLAGG ENGR. / BP AMERICA	Chain-of-Custody Record
ubcontracted to other	Char	Received by:	Christ	Received by:							100-1		4 oz 1	Type and #	Sample Temp	On Ice	Sampler:		Project Manager:		Project #:		Project Name:	Standard	Turn-Around Time:
accredited laboratories	111	N.	u la hard								Corr		Cool	Preservative Type	Sample Temperatore 2 9-04 (0-15	a ves	NELSON VELEZ	NELSON VELEZ	jer.			NEBU # 37	1	Rush	lime:
. This serves as notice of	11/80/11 0700		547	Date Time							Sm-		102	HEAL No.		O No	LEZ NY	LEZ				7		DAY	SAME
this po	Refe		8	Remarks:									<	BTEX +MTBI		FME	H (8	021B)							-
ssibility	Reference #	<	CONTACT:	arks:							+	_		BTEX + MTB		-					Tel.	490			-
. Any	#	VID: VI		8	 	-		-			₽	-		TPH 8015B (- Hardenberger	_		MRO)		505	1 Hav			-
sub-co	-	OXIH	REFER	LDIR	-+	-	 		-	_	+	-		TPH (Metho EDB (Metho							-345	vkin.	V		I
ntracte	P - 902	VHIXONEV11	ARIF	ECITA			 			_		-	$\left - \right $	PAH (8310				(15)			Tel. 505-345-3975	4901 Hawkins NE -	ww.		
ad data		H	#WH	TO BI	-	_				_	╋			RCRA 8 Me	-	_				Ana	G	- A	halle	51	10
will bu			& REFERENCE # WHEN APPLICABLE; ERIN GARIFALOS / VANCE HIXON	NISD .	+					-	+			Anions (F,C		_	1O ₂ ,	PO4,S	D ₄ }	Analysis Request	Fax	bud	nvira	YSIS	Z
e clear			ANCE	IG THE										8081 Pestic						s Re	505	uerq	onmo	S	1
rty nota			HIX	CON									\square	8260B (VO	1.1.				_	que	-34	lue, l	enta	57	
ated or			N	BILL DIRECTLY TO BP USING THE CONTACT WITH CORRESPONDING VID	+	-								8270 (Semi		A)				st	Fax 505-345-4107	Albuquerque, NM 87109	www.hallenvironmental.com	ABORATORY	ENVIRONMENTAL
1 the a				WITH							k			Chloride (soi	-		/ wat	ter - 30	0.1)		07	8710	Ц	R	
nalytic				CORR							T											0			Z
al repo				ESPON										Grab sampl	e									9;	
art				IDING			 				K		<	5 pt. compo	osit	e sa	mpl	е						2 i	
				VID							•			Air Bubbles (YO	N)							4		ĸ

WO#: 1711382

09-Nov-17

Hall Environmental	Analysis	Laboratory,	Inc.
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Client: Blagg Engineering Project: NEBU #37

v - p

Sample ID MB-34889	SampType: mblk	TestCode: EPA Method		
Client ID: PBS	Batch ID: 34889	RunNo: 46970		
Prep Date: 11/8/2017	Analysis Date: 11/8/2017	SeqNo: 1499332	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			
Sample ID LCS-34889	SampType: Ics	TestCode: EPA Method	300.0: Anions	
Sample ID LCS-34889 Client ID: LCSS		TestCode: EPA Method RunNo: 46970	300.0: Anions	
	SampType: Ics		300.0: Anions Units: mg/Kg	
Client ID: LCSS	SampType: Ics Batch ID: 34889 Analysis Date: 11/8/2017	RunNo: 46970		RPDLimit Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Page 3 of 6

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Blagg Engineering Project: NEBU #37

Sample ID LCS-34882	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 34882			RunNo: 46959						
Prep Date: 11/8/2017	Analysis Date: 11/8/2017			SeqNo: 1498202			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	88.4	73.2	114			
Surr: DNOP	4.0		5.000		79.8	70	130			
Sample ID MB-34882	SampT	уре: МЕ	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: PBS	Batch	D: 34	882	F	RunNo: 4	6959				
Prep Date: 11/8/2017	Analysis D	ate: 11	/8/2017	S	SeqNo: 1	498203	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.5		10.00		84.9	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
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WO#: 1711382

09-Nov-17

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Blagg Engineering Project: NEBU #37

Sample ID MB-34869	SampType:	Tes	TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID:	RunNo: 46964							
Prep Date: 11/7/2017	Analysis Date:	11/8/2017	S	SeqNo: 1	499080	Units: mg/K	g		
Analyte	Result PQI	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND 5	0							
Surr: BFB	1100	1000		108	15	316			
Sample ID LCS-34869	SampType:	CS	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Sample ID LCS-34869 Client ID: LCSS	SampType: I Batch ID: 3			tCode: El RunNo: 4		8015D: Gaso	line Rang	e	
	Batch ID:		F		6964	8015D: Gaso Units: mg/K	Ū	e	
Client ID: LCSS	Batch ID:	34869 11/8/2017	F	RunNo: 4	6964		Ū	e RPDLimit	Qual
Client ID: LCSS Prep Date: 11/7/2017	Batch ID: 3	34869 11/8/2017 . SPK value	F S SPK Ref Val	RunNo: 4 GeqNo: 14	6964 499081	Units: mg/K	g		Qual
Client ID: LCSS Prep Date: 11/7/2017 Analyte	Batch ID: 3 Analysis Date: Result PQI	34869 11/8/2017 . SPK value	F S SPK Ref Val	RunNo: 4 SeqNo: 1 %REC	6964 499081 LowLimit	Units: mg/K HighLimit	g		Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
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WO#: 1711382

09-Nov-17

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Blagg Engineering Project: NEBU #37

Sample ID MB-34869	SampType: MBLK			Tes	Code: El					
Client ID: PBS	Batc	Batch ID: 34869			RunNo: 46964					
Prep Date: 11/7/2017	Analysis Date: 11/8/2017			S	eqNo: 1	499090	Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
		0 10								
Xylenes, Total	ND	0.10								
Xylenes, Total Surr: 4-Bromofluorobenzene	ND 1.1	0.10	1.000		107	80	120			
,	1.1	0.10		Tes			120 8021B: Volat	tiles		
Surr: 4-Bromofluorobenzene	1.1 SampT		S			PA Method		tiles		
Surr: 4-Bromofluorobenzene Sample ID LCS-34869	1.1 SampT	Type: LC	S 869	R	Code: EF	PA Method				
Surr: 4-Bromofluorobenzene Sample ID LCS-34869 Client ID: LCSS	1.1 SampT Batcl	Type: LC	S 869 1/8/2017	R	Code: EF	PA Method	8021B: Volat		RPDLimit	Qual
Surr: 4-Bromofluorobenzene Sample ID LCS-34869 Client ID: LCSS Prep Date: 11/7/2017	1.1 SampT Batcl Analysis D	Type: LC h ID: 34 Date: 11	S 869 1/8/2017	R	Code: EF cunNo: 40 ceqNo: 14	PA Method 5964 499091	8021B: Volat	ģ	RPDLimit	Qual
Surr: 4-Bromofluorobenzene Sample ID LCS-34869 Client ID: LCSS Prep Date: 11/7/2017 Analyte	1.1 SampT Batch Analysis D Result	Type: LC h ID: 34 Date: 11 PQL	S 869 1/8/2017 SPK value	R S SPK Ref Val	Code: Ef tunNo: 40 eqNo: 14 %REC	PA Method 5964 499091 LowLimit	8021B: Volat Units: mg/K HighLimit	ģ	RPDLimit	Qual
Surr: 4-Bromofluorobenzene Sample ID LCS-34869 Client ID: LCSS Prep Date: 11/7/2017 Analyte Benzene	1.1 Samp1 Batcl Analysis E Result 1.0	Type: LC h ID: 34 Date: 11 PQL 0.025	S 869 1/8/2017 SPK value 1.000	R S SPK Ref Val 0	Code: EF tunNo: 44 teqNo: 14 %REC 104	PA Method 5964 499091 LowLimit 77.3	8021B: Volat Units: mg/K HighLimit 128	ģ	RPDLimit	Qual
Surr: 4-Bromofluorobenzene Sample ID LCS-34869 Client ID: LCSS Prep Date: 11/7/2017 Analyte Benzene Toluene	1.1 SampT Batcl Analysis E Result 1.0 1.1	Type: LC h ID: 344 Date: 11 PQL 0.025 0.050	S 869 1/8/2017 SPK value 1.000 1.000	R S SPK Ref Val 0 0	Code: EF aunNo: 40 seqNo: 14 %REC 104 106	PA Method 5964 499091 LowLimit 77.3 79.2	8021B: Volat Units: mg/K HighLimit 128 125	ģ	RPDLimit	Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
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- W Sample container temperature is out of limit as specified

WO#: 1711382

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Page 6 of 6

*							
HALL ENVIRONMEN ANALYSIS LABORATORY	TAL TE	ll Environmental . Albu L: 505-345-3975 Website: www.ha	4901 iquerqu FAX: 5	Hawkins NI e, NM 87109 05-345-4107	Samp	ble Log-In	Check List
Client Name: BLAGG	Work	Order Number:	17113	382		Rcp	tNo: 1
Received By: Anne Th	iome 11/8/20	017 7:00:00 AM			anne Ham	-	
Completed By: Anne Th	orne 11/8/20	17 7:22:49 AM			am Im	_	
Reviewed By:	11/8/17	1					
Chain of Custody							
1. Custody seals intact on	sample bottles?		Yes		No 🗌	Not Present	
2. Is Chain of Custody con	mplete?	3	Yes	\checkmark	No 🗌	Not Present	
3. How was the sample de			Cour	ler			
Log In							
4. Was an attempt made	to cool the samples?		Yes		No 🗌	NA	
5. Were all samples recei	ved at a temperature of >0° (C to 6.0°C	Yes		No 🗌	NA	
6. Sample(s) in proper co	ntainer(s)?		Yes		No 🗌		
7. Sufficient sample volum	ne for indicated test(s)?		Yes		No 🗆		
8. Are samples (except VC	DA and ONG) properly preser	ved?	Yes	\checkmark	No 🗌		
9. Was preservative adde	d to bottles?		Yes		No 🗹	NA	
10.VOA vials have zero he	adspace?		Yes		No 🗆	No VOA Vials	
11. Were any sample conta	ainers received broken?		Yes		No 🗹	# of preserved bottles checked	4
12. Does paperwork match (Note discrepancies on			Yes		No 🗆	for pH:	(<2 or >12 unless note
	dentified on Chain of Custody	7	Yes	\checkmark	No 🗆	Adjusted	?
14. Is it clear what analyses			Yes		No 🗌		
15. Were all holding times a (If no, notify customer for			Yes	V	No 🗆	Checked I	by:
Constal Uppediate (# a							
Special Handling (if a)	DDIICADIE) I discrepancies with this order	17	Yes		No 🗌	NA	
Person Notified:	Putter and a second sec	an pair		Man with Andrew Million			
By Whom:		Date Via:	eMa	il 🗌 Pho	ne 🗌 Fax	In Person	
Regarding:		via.					-
Client Instructions					allado nacional a contracti a contracto da		-
17. Additional remarks:	,						
18. Cooler Information							
Cooler No Temp		Seal No S	Seal Da	ite Si	igned By		
1 1.4	Good Yes			10-10-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	*****		

Page 1 of 1



