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

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· A.

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.

	And in case of the local division of the loc	the second s	the second s			4
				Grade Tank, or		1
0167	<u>P1</u>	roposed Alterna	tive Method I	Permit or Closur	e Plan Ar	oplication
		Closure of Modification	a pit or proposed alt a pit, below-grade on to an existing pe	tank, or proposed alter rmit/or registration		d mitted pit, below-grade tank,
	Instructions	: Please submit one ap	plication (Form C-1-	44) per individual pit, be	low-grade tan	k or alternative request
						of surface water, ground water or the l authority's rules, regulations or ordinances
1. Operator: BP	America Pro	duction Company		OGRID #	[#] .778	OIL CONS. DIV DIST, 3
		t, Farmington, NM 8	37401			
		ANCE H 037				NOV 28 2017
			(CD Permit Number:		
U/L or Otr/Otr	Н	Section 06	Township 30N	OCD Permit Number: Range	County:	San Juan
Center of Prope	osed Design: L	atitude 36.842612	10 montp	Longitude -107.71109	99	NAD83
Surface Owner	: Federal	State Private III	ibal Trust or Indian A	nouncin		
Surface Owner		State Private II Iri	ibal Trust or Indian A	notinent		
2.		of 19.15.17.11 NMAC				
2. <u>Pit</u> : Subse		of 19.15.17.11 NMAC				
2. <u>Pit</u> : Subset Temporary:	ection F, G or J] Drilling 🔲 W	of 19.15.17.11 NMAC Vorkover			Low Chlorid	de Drilling Fluid 🗌 yes 🗌 no
2. Pit: Subsection: Temporary: Permanent	ection F, G or J] Drilling 🔲 W] Emergency	of 19.15.17.11 NMAC Vorkover Cavitation P&A	. 🗌 Multi-Well Fluid	d Management		de Drilling Fluid 🗌 yes 🗌 no
2. Pit: Subsection: Temporary: Permanent	ection F, G or J] Drilling 🔲 W] Emergency Unlined Liner	of 19.15.17.11 NMAC Vorkover Cavitation P&A	. 🗌 Multi-Well Fluid	d Management		
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Oil Conservation Division

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

Screen Netting Other

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

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

Variances and Exceptions:

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

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

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

Siting Criteria (regarding permitting): 19.15.17.10 NMAC

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

General siting								
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank								
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) Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division 	🗌 Yes 🗌 No							
 Within an unstable area. (Does not apply to below grade tanks) Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 	🗌 Yes 🗌 No							
Within a 100-year floodplain. (Does not apply to below grade tanks) - FEMA map	🗋 Yes 🗌 No							
Below Grade Tanks								
 Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site 	Yes No							
 Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No							
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)								
 Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) Topographic map; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No							
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 	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 								
 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 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 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 19.1 and 19.15.17.13 NMAC Previously Approved Design (attach copy of design) API Number: or Permit Number: or Permit Number: 	nmac 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 doc 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 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:	15.17.9 NMAC							

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12. Permanent Pits Permit Application 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 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 Quality Control/Quality Assurance Construction and Installation Plan Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Muisance or Hazardous Odors, including H2S, Prevention Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Errosion Control Plan Closure Plan - based upon the appropriate requirements of 19.15.17.9 NMAC and 19.15.17.13 NMAC	documents are
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	
 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.	
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. In 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	
Form C-144 Oil Conservation Division Page 4 o	f 6

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 plane 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 19.15.17.13 NMAC Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards canned Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC 	11 NMAC 15.17.11 NMAC
17. <u>Operator Application Certification:</u> 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) OCD Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature:	2/2017
 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>9/29/2017</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.	

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Oil Conservation Division

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): Erin Garifalos

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Signature:

Title: Field Environmental Coordinator

erin garifalos

Date: November 27 2017

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

FLORANCE H 037

API No. 3004560189

Unit Letter H Section 06 T 30N R 08W

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

General Closure Plan

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

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)

BP BGT Closure Plan 04-01-2010

- 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
	95 bbl BGT	(mg/Kg)	results
Benzene	US EPA Method SW-846 8021B or 8260B	10	< 0.018
Total BTEX	US EPA Method SW-846 8021B or 8260B	50	< 0.070
TPH	US EPA Method SW-846 418.1 or 8015 extended	100	<47
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.

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.

BP did not meet the 60 closure completion requirement due to an error in internal tracking. 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.

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe. NM 87505 Form C-141 Revised April 3, 2017

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

Release Notification and Corrective Action													
			Rele	ease Notifi	catio	n and C	orrective A	ctio	1				
						OPERATOR Initial Report						Final Repor	
		America Produc		ny		Contact Erin Garifalos							
		t, Farmington, N	IM 87401				No. (832) 609-7048						
Facility Na	me FLORAN	CE H 037				Facility Ty	be: Natural Gas We						
Surface Ov	ner: Federa	I		Mineral (Owner	: Federal			API No	.3004560189			
				LOC	ATIO	N OF RE	LEASE						
Unit Letter	Section	Township	Range	Feet from the	North	h/South Line	Feet from the	East/	West Line	County		1	
H	06	30N	08W	1,650	No	rth	990	Ea	st	5	an	Juan	
			Latitud	e 36.842612	I	ongitude -1	07.711099	NAD	83				
			Datitud						0.5				
Type of Rele	ase: nonc			NAI	URE	Volume of	EASE Release: : unkn	OWD	Volume R	ecovered::	ΝΙ/Δ		
Source of Re	1		1 0 5				Hour of Occurrent			Hour of Dis			
	Delo	w grade ta	nk - 95	Idd		n/a			n/a				
Was Immed	ate Notice (Yes [] No 🗌 Not R	equired	If YES, To	Whom?						
By Whom?						Date and I							
Was a Water	course Read	ched?	Yes	L NI-		If YES, V	olume Impacting	the Wat	ercourse.				
		pacted, Descr											
Describe Ca	use of Proble	em and Reme	dial Action	Sam Soil a	analy	sis resulte	beneath the d for Chloric Field reports	des, E	TEX, an	d TPH b	elow	BGT	
Describe Are	a Affected	and Cleanup	Action Tak					carrier .	aborator	<i>j</i> . e e a			
Describe Ait	a Anecteu			No actio		cessary. F on is requ	Final laborat ired.	ory a	nalysis c	letermin	ed no	D	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.									danger liability man health				
							OIL CON	SERV	ATION	DIVISIC	N		
Signature:	oring	wilfald	24										
Signature: Approved by Environmental Specialist:													
		onmenta		rdinator		Approval Da	te:		Expiration I	Date:			
E-mail Addr	ess: erin.	garifalos	@bp.	com		Conditions o			Attached				
Date: Nover	mber 27 20	17	Phone:	(832) 609-7048									

* Attach Additional Sheets If Necessary

bp



BP America Production Company 200 Energy Court Farmington, NM 87401

September 22, 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: FLORANCE H 37 API #: 3004560189

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 September 25, 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

Garifalos, Erin

From: Sent: To: Cc: Subject: Buckley, Farrah (CH2M HILL) Friday, September 22, 2017 12:22 PM 'Smith, Cory, EMNRD'; 'Fields, Vanessa, EMNRD (Vanessa.Fields@state.nm.us)' 'jeffcblagg@aol.com'; 'blagg_njv@yahoo.com'; Garifalos, Erin BP Pit Close Notification - FLORANCE H 37

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

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

September 22, 2017

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

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

FLORANCE H 37 API 30-045-60189 (H) Section 6– T30N – R08W 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 September 25, 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

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.

	PLAC	G ENGINEERIN	G INC	API # 30045601	00			
CLIENT: BP								
		(505) 632-1199		(if applicble):				
FIELD REPORT:	(circle one): BGT CONFIRM	NATION / RELEASE INVESTIGA	TION / OTHER:	PAGE #: _1 of	_1_			
SITE INFORMATION	I: SITE NAME: FL	ORANCE H # 37		DATE STARTED: 09/25	/17			
QUAD/UNIT: H SEC: 6 TWP:	30N RNG: 8W	PM: NM CNTY:	SJ ST: NM	DATE FINISHED:				
1/4 -1/4/FOOTAGE: 1,650'N / 99 LEASE #: NM09717		LEASE TYPE: FEDERAL/		ENVIRONMENTAL SPECIALIST(S):	/			
		V CONTRACTOR: BP						
REFERENCE POINT				91 GL ELEV.: 6,0				
1) 95 BGT (SW/DB) - A		36.842612 X 107.7		EARING FROM W.H.: 82', S4.5	VV			
2)	GPS COORD.:			EARING FROM W.H.:				
3)	GPS COORD.:			EARING FROM W.H.:				
	GPS COORD.:			EARING FROM W.H.:	OVM			
SAMPLING DATA:	CHAIN OF CUSTODY RECO		HALL		(ppm)			
1) SAMPLE ID: 5PC - TB @ 5' (\$ 2) SAMPLE ID:		09/25/17 SAMPLE TIME:		015B/8021B/300.0 (CI)	0.2			
2) SAMPLE ID: 3) SAMPLE ID:			LAB ANALYSIS:					
4) SAMPLE ID:	SAMPLE DATE:	SAMPLE TIME:	LAB ANALYSIS:					
5) SAMPLE ID:	SAMPLE DATE:	SAMPLE TIME:	LAB ANALYSIS:					
SOIL DESCRIPTION	SOIL TYPE: SAND SILTY	SAND SILT / SILTY CLAY / CLAY	Y / GRAVEL OTHER BEDR	OCK (SANDSTONE)				
	YELLOWISH ORANGE			COHESIVE / MEDIUM PLASTIC / HIGHLY	PLASTIC			
COHESION (ALL OTHERS): NON COHESIVE SLIGHTL			CLAYS & SILTS): SOFT / FIRM					
CONSISTENCY (NON COHESIVE SOILS): LC			YES NO EXPLANATION -					
SAMPLE TYPE: GRAB COMPOSITE +				ANATION - @ BGT FOOTPRINT O				
DISCOLORATION/STAINING OBSERVED: YES			owenied. They no exit					
SITE OBSERVATION	S: LOST INTEGRITY OF EC	UIPMENT: YES NO EXPLANATIO	DN -					
APPARENT EVIDENCE OF A RELEASE OBSERVE	DAND/OR OCCURRED : YES	NO EXPLANATION:						
EQUIPMENT SET OVER RECLAIMED AREA:	YES NO EXPLANATION -	105 BBL SHALLOW LOW P	ROFILE ABOVE-GRADE T	ANK TO BE SET ATOP BGT LO	CATION.			
USING GOOGLE EARTH PRO.	WITNESS CONFIRMATIO	DN SAMPLING. BEDROCK	- COMPETENT, FRIADLE.	GPS COORDINATES OBTAINE				
EXCAVATION DIMENSION ESTIMATION:	NA ft. X	NA ft. X NA	ft. EXCAVATION ES	STIMATION (Cubic Yards) :	NA			
DEPTH TO GROUNDWATER: N	EAREST WATER SOURCE:	>1,000' NEAREST SURFACE	WATER: <1,000' NMC	DCD TPH CLOSURE STD: 1,000	ppm			
SITE SKETCH		on site PLOT PLA	N circle: attached	/M CALIB. READ. = 100.0 ppm	RF =1.00			
	⊕ ₩.H.			/M CALIB. GAS = 100 ppm	11 -1.00			
			N	ME: 2:05 am(pm) DATE: 09/2	25/17			
				MISCELL. NOTE	S			
				WO:				
				REF #: P-863				
	FENCE			VID: VHIXONEV11				
(95) PBG				PJ #:				
T.B. ² B.C				Permit date(s): 06/10/	10			
D.($(\mathbf{x}\mathbf{x}\mathbf{x})$	COMPRESSOR		OCD Appr. date(s): 07/02/				
		$\langle \cdot \rangle$	T	ank OVM = Organic Vapor Meter ID ppm = parts per million				
		\sim		A BGT Sidewalls Visible: Y / N				
	BERM	SEPARATOR	X - S.P.D.	BGT Sidewalls Visible: Y / N				
NOTES: BGT = BELOWAGRADE TANK; E.D. = EXCAVATIO		ADE; B = BELOW; T.H. = TEST HOLE; ~ =	APPROX.; W.H. = WELL HEAD;	BGT Sidewalls Visible: Y / N				
T.B. = TANK BOTTOM; PBGTL = PREVIOUS BEL APPLICABLE OR NOT AVAILABLE; SW-SINGLE	WALL; DW-DOUBLE WALL; SB-S	NGLE BOTTOM; DB - DOUBLE BOTTON	RETAINING WALL; NA - NOT I.	Magnetic declination: 10°	E			
NOTES: GOOGLE EARTH IMAGE	ERY DATE: 10/5/2016	ONSITE:	09/25/17					
revised: 11/26/13				BEI1005	E-6 SKE			

Analytical Report	
Lab Order 1709E11	

Date Reported: 9/29/2017

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: 5PC-TB @ 5' (95)-A **CLIENT:** Blagg Engineering FLORANCE H #37 Collection Date: 9/25/2017 1:05:00 PM **Project:** Received Date: 9/26/2017 7:15:00 AM Lab ID: 1709E11-001 Matrix: SOIL PQL Qual Units **DF** Date Analyzed Batch Result Analyses Analyst: MRA EPA METHOD 300.0: ANIONS 9/26/2017 10:27:20 AM 34063 Chloride ND 30 mg/Kg 20 EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: TOM Diesel Range Organics (DRO) ND 9.4 mg/Kg 1 9/26/2017 9:17:10 AM 34069 9/26/2017 9:17:10 AM 34069 Motor Oil Range Organics (MRO) ND 47 mg/Kg 1 34069 Surr: DNOP %Rec 9/26/2017 9:17:10 AM 99.7 70-130 1 EPA METHOD 8015D: GASOLINE RANGE Analyst: NSB 9/26/2017 9:57:07 AM Gasoline Range Organics (GRO) ND 3.5 mg/Kg 1 34054

5 5 ()			0 0			
Surr: BFB	107	54-150	%Rec	1	9/26/2017 9:57:07 AM	34054
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.018	mg/Kg	1	9/26/2017 9:57:07 AM	34054
Toluene	ND	0.035	mg/Kg	1	9/26/2017 9:57:07 AM	34054
Ethylbenzene	ND	0.035	mg/Kg	1	9/26/2017 9:57:07 AM	34054
Xylenes, Total	ND	0.070	mg/Kg	1	9/26/2017 9:57:07 AM	34054
Surr: 4-Bromofluorobenzene	115	66.6-132	%Rec	1	9/26/2017 9:57:07 AM	34054

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
Quanners.	-		-	-
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	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

Chain-of-Custody Record			Turn-Around T	Time:	SAME	Ι.				14		F		TE	20		ME	MT			
Client:	BLAG	G ENGR.	/ BP AMERICA	Standard	Rush	DAY)			F									RA			
																	.com				-
Mailing A	Mailing Address: P.O. BOX 87				ORANCE H	# 37		49	01									37109)		
		BLOOM	FIELD, NM 87413	Project #:	A		1			05-34							-410				
Phone #:	Phone #: (505) 632-1199															ques	-				
email or F	ax#:			Project Manag	ger:									2				â			
QA/QC Part	-		Level 4 (Full Validation)		NELSON VI	ELEZ	148's (8021B)	+ TPH (Gas only)	MRO)			IS)		04,504	PCB's			er - 300.1)			0
Accreditat	tion:			Sampler:	NELSON VI	LEZ nr	1 (8)	(Gas	DRO /	,	1)	SIM		02,F	3082			water			mpl
	2	D Other		On lice	XYes	No -		HUT	0/0	418.	504.	8270	10	O3,N	s/ 8		(A)	0.00			e sa
	Type)	1		Sample Temp	erarute 😒			+ 38	GRO	por	pou	or	etals	CI,N	icide	(A)	i-VC	oil - 3		e	osit
Date	Time	Matrix	Sample Request ID	Type and #	Preservative Type	HEAL NO.	BTEX + MTH	BTEX + MTBE	TPH 8015B (GRO /	TPH (Method 418.1)	EDB (Method 504.1)	PAH (8310 or 8270SIMS)	RCRA 8 Metals	Anions (F,Cl,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides / 8082	8260B (VOA)	8270 (Semi-VOA)	Chloride (soil - 300.0 /		Grab sample	5 pt. composite sample
9/25/17	1205	SOIL	5РС-ТВ@ 5 (95)-А	4 oz 1	Cool	1010	V	-	V	-	w	4	æ	A	00	80	00	V	+	0	V
120111	1305		Je de general de la companya de	TOLT		001	- V	-	-		_	-	-					-	+	-	-
91/-1-	12 -	0	EDC TR A - W/ (21) P	1 00 1	Cool	162	-1		-1										+	_	-
1011	1323		1.5								_					-			\neg		-
					-		-				_			-				\vdash	-	+	-+
																		\vdash	-+		
																			_	_	_
																			\rightarrow		
							_												_		
-																					
Date: 9/25/(7 Date:	Time: 711 Time:	Relinquish	Unit	Received by:	hast	Date Time 9/25/17 1711 Date Time	Rem	ONT	ACT:	BILL & RE ERIN VHD	FEREN GA	RIFA	WHE	N APP	LICA	BLE;		WITH C	ORRE	SPON	DING
Date: Time: Relinguished by: U			Clan	1 09,	Date Time [2[d][] 07(5	Ret		nce #			863										

WO#: **1709E11** 29-Sep-17

Hall Environmenta	l Analysis	Laboratory,	Inc.
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Client:Blagg EngineeringProject:FLORANCE H #37

Sample ID MB-34063	SampType: mblk	TestCode: EPA Method	300.0: Anions	
Client ID: PBS	Batch ID: 34063	RunNo: 45881		
Prep Date: 9/25/2017	Analysis Date: 9/26/2017	SeqNo: 1459275	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			
Sample ID LCS-34063	SampType: Ics	TestCode: EPA Method	300.0: Anions	
Sample ID LCS-34063 Client ID: LCSS	SampType: Ics Batch ID: 34063	TestCode: EPA Method RunNo: 45881	300.0: Anions	
	1 31		300.0: Anions Units: mg/Kg	
Client ID: LCSS	Batch ID: 34063 Analysis Date: 9/26/2017	RunNo: 45881		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

Limit

Hall Environmental Analysis Laboratory, Inc.

Client:Blagg EngineeringProject:FLORANCE H #37

Sample ID LCS-34069	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics									
Client ID: LCSS	Batch	ID: 34	069	F	5872					
Prep Date: 9/26/2017	Analysis D	ate: 9/	26/2017	S	SeqNo: 1	457748	Units: mg/M	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	89.4	73.2	114			
Surr: DNOP	4.7		5.000		94.8	70	130			
Sample ID MB-34069	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: PBS	Batch	ID: 34	069	F	RunNo: 4	5872				
Prep Date: 9/26/2017	Analysis Da	ate: 9/	26/2017	S	SeqNo: 1	457749	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	9.7		10.00		97.3	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
- W Sample container temperature is out of limit as specified

1709E11

29-Sep-17

WO#:

Page 4 of 6

WO#: 1709E11

Hall Environmenta	l Analysis	La	bora	tory,	Inc.
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Client:Blagg EngineeringProject:FLORANCE H #37

Sample ID MB-34054	SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range									
Client ID: PBS	Batch	ID: 34	054	RunNo: 45888						
Prep Date: 9/25/2017	Analysis D	ate: 9/	26/2017	S	SeqNo: 1	458653	Units: mg/M	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		110	54	150			
Sample ID LCS-34054	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Sample ID LCS-34054 Client ID: LCSS		ype: LC			tCode: ER		8015D: Gaso	oline Rang	e	
		D: 34	054	F		5888	8015D: Gaso Units: mg/K	0	e	
Client ID: LCSS	Batch	D: 34	054 26/2017	F	RunNo: 4	5888		0	e RPDLimit	Qual
Client ID: LCSS Prep Date: 9/25/2017	Batch Analysis D	ate: 9/	054 26/2017	F	RunNo: 4 SeqNo: 14	5888 458654	Units: mg/K	(g		Qual
Client ID: LCSS Prep Date: 9/25/2017 Analyte	Batch Analysis D Result	ate: 9/	054 26/2017 SPK value	R S SPK Ref Val	RunNo: 44 SeqNo: 14 %REC	5888 458654 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
- 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 5 of 6

29-Sep-17

Hall Environmental Analysis Laboratory, Inc.

Client: Blagg Engineering FLORANCE H #37 **Project:**

Sample ID MB-34054	SampType: MBLK TestCode: EPA Method				8021B: Vola	tiles				
Client ID: PBS	Batc	Batch ID: 34054 RunNo: 45888								
Prep Date: 9/25/2017	Analysis E	Analysis Date: 9/26/2017			SeqNo: 1458669			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								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.2		1.000		120	66.6	132			
Sample ID LCS-34054	SampT	ype: LC	S	Tes	tCode: E	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batch	n ID: 34	054	F	RunNo: 4	5888				
Prep Date: 9/25/2017	Analysis E	ate: 9/	26/2017	S	SeqNo: 1	458670	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	102	80	120			
Toluene	1.1	0.050	1.000	0	106	80	120			
Ethylbenzene	1.1	0.050	1.000	0	113	80	120			
Xylenes, Total	3.4	0.10	3.000	0	114	80	120			
Surr: 4-Bromofluorobenzene	1.2		1.000		122	66.6	132			

Qualifiers:

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

Page 6 of 6

29-Sep-17

WO#: 1709E11

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental A Albuq TEL: 505-345-3975 I Website: www.hall	4901 Ha querque, FAX: 505	awkins NE NM 87109 -345-4107	Sam	ple Log-In Cl	neck List
Client Name: BLAGG	Work Order Number:	1709E1	1		RcptNo:	1
	9/26/2017 7:16:00 AM 9/26/2017 7:20:00 AM]		Ŭ.	Im I-	-	ъ.
 <u>Chain of Custody</u> 1. Custody seals intact on sample bottles? 2. Is Chain of Custody complete? 3. How was the sample delivered? 		Yes Yes Courier		No 🗌 No 🗌	Not Present 🗹	
Log In				No 🗌	NA 🗆	
4. Was an attempt made to cool the samples?		Yes		NO	NA 🗀	
5. Were all samples received at a temperature of	of >0° C to 6.0°C	Yes 🔽	•	No 🗌	NA 🗌	
6. Sample(s) in proper container(s)?		Yes		No 🗌		
7. Sufficient sample volume for indicated test(s)	?	Yes		No 🗌		
8. Are samples (except VOA and ONG) properly	preserved?	Yes V		No 🗌		
9. Was preservative added to bottles?		Yes [No 🗹	NA 🗔	
10.VOA vials have zero headspace?		Yes [No 🗌	No VOA Vials 🗹	
11. Were any sample containers received broker	1?	Yes		No 🗹	# of preserved	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🖌	2	No 🗌	bottles checked for pH:	>12 unless noted)
13. Are matrices correctly identified on Chain of C	Custody?	Yes		No 🗌	Adjusted?	
14. Is it clear what analyses were requested?		Yes		No 🗌		
15. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes	2	No 🗌	Checked by:	
Special Handling (if applicable)						
16. Was client notified of all discrepancies with th	is order?	Yes [No 🗆	NA 🗹	
Person Notified:	Date	Tes				
By Whom: Regarding: Client Instructions:	Via:] eMail	Phone	Fax	In Person	
17. Additional remarks:						
18. <u>Cooler Information</u> <u>Cooler No</u> Temp °C Condition Sea 1 1.3 Good Yes Page 1 of 1	I Intact Seal No S	eal Date	Sign	ed By		

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