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.

Proposed Alternative Method Pe								
Type of action: Below grade tank registration 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) Please be advised that approval of this request does not relieve the operator of liabilitienvironment. Nor does approval relieve the operator of its responsibility to comply w	y should operations result in pollution of surface water, ground water or the							
I. Operator: BP America Production Company Address: 200 Energy Court, Farmington, NM 87401 Facility or well name: HUBBARD GC A 001	OGRID #:_778							
) Parmit Number							
API Number: 3004527907 OC U/L or Qtr/Qtr H Section 30 Township 32N	Range 11W County: San Juan							
Center of Proposed Design: Latitude 36.959090 Lo	ngitude -108.024251 NAD83							
Surface Owner: 🗌 Federal 🗌 State 🔳 Private 🗌 Tribal Trust or Indian Allo	and a second							
Pit: Subsection F, G or J of 19.15.17.11 NMAC Temporary: Drilling Workover Permanent Emergency Cavitation P&A Multi-Well Fluid M Lined Unlined Liner type: Thicknessmil LLDPE String-Reinforced Liner Seams: Welded Factory Other	HDPE PVC Other							
3. TAN Below-grade tank: Subsection I of 19.15.17.11 NMAC TAN Volume: 21 bbl Type of fluid: Produced Water Tank Construction material: Steel	inch lift and automatic overflow shut-off wall/ Single bottom; sidewalls visible							
 <u>Alternative Method</u>: Submittal of an exception request is required. Exceptions must be submitted to a submitted to	o the Santa Fe Environmental Bureau office for consideration of approval.							
 5. Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, tem Chain link, six feet in height, two strands of barbed wire at top (Required if institution or church) Four foot height, four strands of barbed wire evenly spaced between one an Alternate. Please specify	located within 1000 feet of a permanent residence, school, hospital,							

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)

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.

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 acceptable source material are provided below. Siting criteria does not apply to drying pads or above-grade tanks.						
General siting						
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank	□ Yes □ No □ NA					
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA					
 Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. (Does not apply to below grade tanks) Written confirmation or verification from the municipality; Written approval obtained from the municipality 	Yes No					
 Within the area overlying a subsurface mine. (Does not apply to below grade tanks) Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division 	🗌 Yes 🗌 No					
 Within an unstable area. (Does not apply to below grade tanks) Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 	Yes No					
Within a 100-year floodplain. (Does not apply to below grade tanks) - FEMA map						
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. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	🗌 Yes 🗌 No					
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 						
 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 						
 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 						
 Within 500 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site 						
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 Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC Previously Approved Design (attach copy of design) API 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 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 19.15.17.9 NMAC Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Previously Approved Design (attach copy of design) API Number: or Permit Number:	15.17.9 NMAC					

Proposed Closure: 19.15.17.13 NMAC Instructions: Prease 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 Fluid Management Pit Proposed Closure Method: Waste Excavation and Removal Waste Excavation (Cosed-Doop systems only) On-site Closure Method (Ouly for temporary pits and closed-loop systems) Implace Berlai On-site Closure Method Ouly for temporary pits and closed-loop systems) Implace Berlai On-site Closure Method Ouly for temporary pits and closed-loop systems) Implace a chock mark in the box, that the documents or attacked. Portocols and Procedures- based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC Confirmation Sampling Plant (frapplicable) - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Implace a chock mark in the box, that the appropriate requirements of Subsection H of 19.15.17.13 NMAC Sites Criteria (regarding on-site closure methods only: 19.15.17.10 NMAC Implace a chock mark in engines a chock mark in the appropriate requirements of Subsection H of 19.15.17.13 NMAC Bistructions: Exciteria (regarding on-site closure methods only: 19.15.17.10 NMAC Instructions: East sing crite	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 Preeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Remergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Errosion Control Plan	documents are						
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C 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 Pacility Name and Permit Number (for fuguids, drilling fluids and drill cuttings) Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection N of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each stimg criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. Please refer to 19.15.17.10 NMAC/for guidance. Ground water is less than 25 feet below the bottom of the buried waste.	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 Alternative 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 Method Method On-site Trench Burial	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 Fluid Management Pit Alternative 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						
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 source material are provided below. Requests regarding changes to certain siting criteria require jusifications and/or demonstrations of equivalency. Please refer to 19.15.17.10 NMAC for guidance. Ground water is less than 25 feet below the bottom of the buried waste.	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							
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells NA Ground water is between 25-50 feet below the bottom of the buried waste Yes No - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells Yes No Ground water is more than 100 feet below the bottom of the buried waste. Yes No - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells Yes No 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). Yes No - 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. Yes No - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site; Aerial photo; Satellite image Yes No Within 300 feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application. Yes No - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site Yes No Within 300 feet of a wetland. Yes No Yes No US Fish and Wildlife Wetland Identification map; To	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							
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 NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells 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 Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application. NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site 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 	- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells							
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US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance		🗌 Yes 🗌 No						
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance		🗌 Yes 🗌 No						
	Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance							

adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality Yes 🗌 N							
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division Image: Provide the state of							
 Within an unstable area. Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 							
Within a 100-year floodplain.							
- FEMA map							
16. On-Site 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.							
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 believed and be	ief.						
Name (Print): Title:							
Signature: Date:							
Signature: Date:							
Signature: Date: e-mail address: Telephone:							
e-mail address:							
e-mail address:	23/18 g the closure report.						
e-mail address:	23/18 g the closure report.						
e-mail address:	the closure report.						

Operator Closure Certification:

22.

Signature:_

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

Title: Field Environmental Coordinator

erin garibalos

Date: May 14, 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

HUBBARD GC A 001

API No. 3004527907

Unit Letter H Section 30 T 32N R 11W

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
	21 bbl BGT	(mg/Kg)	results
Benzene	US EPA Method SW-846 8021B or 8260B	10	< 0.017
Total BTEX	US EPA Method SW-846 8021B or 8260B	50	< 0.067
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.

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 BGT location's surface condition is clear, but within the site's operational area.. 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 BGT location's surface condition is clear, but within the site's operational area.. 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 BGT location's surface condition is clear, but within the site's operational area.. 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 BGT location's surface condition is clear, but within the site's operational area.. 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 BGT location's surface condition is clear, but within the site's operational area.. 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

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- 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.

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											
1	OPERATOR Initial Report Final Report											
	Name of Company BP America Production Company Contact Erin Garifalos											
Address 200 Energy Court, Farmington, NM 87401Telephone No. (832) 609-7048Facility Name HUBBARD GC A 001Facility Type: Natural Gas Well												
Facility Na	neHUBB	ARD GC A	4 00 1			Facility Typ	e: Natural Ga	as we	911			
Surface Ow	ner: Fee			Mineral (Owner:	Fee			API No	.300452	27907	7
				LOC	ATIO	N OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the		/South Line	Feet from the		West Line	County		l
H	30	32N	11W	1,600	Noi	rth	1,110	Eas	st	5	San	Juan
			Latitud	e 36.959090		ongitude ⁻¹	08.024251	NAD	83			
						OF REL						
Type of Rele	ase:: none	9					Release: : unkno	own	Volume F	Recovered: :	N/A	
Source of Re	lease: belo	w grade ta	nk - 21 b	bl			lour of Occurrence	ce:		Hour of Dis	scovery	:
Was Immedi						n/a If YES, To	Whom?		n/a			
			Yes 🗸	No 🗌 Not R	equired							
By Whom?						Date and H						
Was a Water	course Read		Yes 🗸	No		If YES, Vo	olume Impacting t	the Wat	ercourse.			
If a Watercou	irse was Im	pacted, Descri	ibe Fully *									
		puerea, Deseri	loo r ungr									
Describe Cau	ise of Probl	em and Remed	dial Action	Taken.* Sam	nling	of the soil	beneath the	RGT	was do	no durir	a ron	noval
							d for Chloric				0	
					-		Field reports					
Describe Are	a Affected	and Cleanup A	Action Tak				iona reporte		aborator	ly roound		
Describe Are	a Anecieu			No actic	n nec	essary. F	inal laborate	ory ai	nalysis d	determin	ied no	0
				remedia	l actio	on is requ	ired.					
I hereby certi	fy that the i	information gi	ven above	is true and comp	olete to t	he best of my	knowledge and u	indersta	nd that purs	uant to NM	OCD ru	ules and
regulations a	ll operators	are required to	o report an	d/or file certain i	release n	otifications an	nd perform correc arked as "Final R	ctive act	ions for rele	eases which	may en	idanger
							on that pose a thr					
	or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other											
iederai, state,	federal, state, or local laws and/or regulations.											
4	OIL CONSERVATION DIVISION											
Signature: Approved by Environmental Specialist:												
Printed Name: Erin Garifalos Approved by Environmental Specialist:												
		onmenta	l Coor	dinator		Ammanual Dat				Deter		
		garifalos				Approval Dat			Expiration I			
						Conditions of Approval: Attached						
Date: May	14, 2018		Phone:	(832) 609-70	048	48						

* Attach Additional Sheets If Necessary



BP America Production Company 380 Airport Rd Durango, CO 81303 Phone: (970) 247 6800

March 9, 2018

bp

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: HUBBARD GC A 001 API #: 3004527907

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 March 13, 2018. 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:	Buckley, Farrah (CH2M HILL)
То:	Smith, Cory, EMNRD; Fields, Vanessa, EMNRD (Vanessa.Fields@state.nm.us)
Cc:	jeffcblagg@aol.com; blagg_njv@yahoo.com; Garifalos, Erin_
Subject:	BP Pit Close Notification - HUBBARD GC A 001
Date:	Friday, March 09, 2018 11:56:45 AM

BP America Production Company 380 Airport Rd Durango, CO 81303 Phone: (970) 247 6800

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

March 9, 2018

2

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

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

HUBBARD GAS COM A 001 API 30-045-27907 (H) Section 30 – T32N – R11W 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 and a 21bbl BGT that will no longer be operational at this well site. We anticipate this work to start on or around March 13, 2018.

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

Sincerely,

Erin Garifalos

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



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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:	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199					907
FIELD REPORT:	(circle one): BGT CONFIRMAT	ION / RELEASE INVESTIG	ation / other:		PAGE #: of	f 1
SITE INFORMATION	SITE NAME: HUB	BARD GC A	# 1		DATE STARTED: 03/1	3/18
QUAD/UNIT: H SEC: 30 TWP:	32N RNG: 11W	PM: NM CNTY	: SJ ST:	NM	DATE FINISHED:	
1/4 -1/4/FOOTAGE: 1,600'N / 1,1	10'E SE/NE LE	ASE TYPE: FEDERAL	/ STATE FEE/	INDIAN	ENVIRONMENTAL	
	PROD. FORMATION: FT		RIKE			JV
REFERENCE POINT	WELL HEAD (W.H.)	GPS COORD .:	36.95912 X 1	08.02397	GL ELEV.: 6	.526'
1) 21 BGT (SW/SB) - A						
2)					RING FROM W.H.:	
3)						
-,	GPS COORD.:					
SAMPLING DATA:	CHAIN OF CUSTODY RECORD(S) # OR LAB LISED		0011102021		OVM READING
	1) - A SAMPLE DATE:(TIALE	801	5B/8021B/300.0 (CI)	(ppm) NA
	SAMPLE DATE:					
	SAMPLE DATE:					
4) SAMPLE ID:	SAMPLE DATE:					
5) SAMPLE ID:	SAMPLE DATE:					
SOIL DESCRIPTION: SOIL TYPE: SAND SILTY SAND SILT / SILTY CLAY / CLAY / GRAVEL / OTHER SOIL COLOR: DARK YELLOWISH ORANGE PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC COHESION (ALL OTHERS): NON COHESIVE SUGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC CONSISTENCY (NON COHESIVE SOILS): LOOSE FIRM DENSE / VERY DENSE PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / VERY STIFF / HARD MOISTURE: DRY / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATED SAMPLE TYPE: GRAB COMPOSITE # OF PTS. 5 DISCOLORATION/STAINING OBSERVED: YES NO EXPLANATION - ANY AREAS DISPLAYING WETNESS: YES NO EXPLANATION - STEE OBSERVATIONS: LOST INTEGRITY OF EQUIPMENT: YES NO EXPLANATION - APPARENT EVIDENCE OF A RELEASE OBSERVED AND/OR OCCURRED : YES NO EXPLANATION : EQUIPMENT SET OVER RECLAIMED AREA: YES NO EXPLANATION : OTHER: NMOCD BLM REP. NOT PRESENT TO WITNESS CONFIRMATION SAMPLING.						
EXCAVATION DIMENSION ESTIMATION:		A ft. X NA			IMATION (Cubic Yards) :	NA
		,000' NEAREST SURFAC		NMOC	D TPH CLOSURE STD: 5,00	00 ppm
SITE SKETCH	BGT Located : off on (21)-A PBGTL T.B. ~ 3 B.G. BERM	TO W.H.	AN circle: at		MISCELL. NOT O: EF #: P-944 D: VHIXONEVB2 J #: ermit date(s): 06/14 CD Appr. date(s): 05/02 k OVM = Organic Vapor Met ppm = parts per million BGT Sidewalls Visible: Y	1/10 1/10
NOTES: BGT = BELOWAGRADE TANK; E.D. = EXCAVATIO T.B. = TANK BOTTOM; PBGTL = PREVIOUS BELO APPLICABLE OR NOT AVAILABLE; SW- SINGLE NOTES: GOOGLE EARTH IMAGE	DW-GRADE TANK LOCATION; SPD = SAM WALL; DW - DOUBLE WALL; SB - SINGL	IPLE POINT DESIGNATION; R.W. E BOTTOM; DB - DOUBLE BOTTO	= RETAINING WALL; NA	ELL HEAD;	BGT Sidewalls Visible: Y / I BGT Sidewalls Visible: Y / I agnetic declination: 10	N

Analytical Report	
Lab Order 1803743	
Date Reported: 3/15/201	8

Hall Environmental Analysis Laboratory, Inc.

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CLIENT: Blagg EngineeringClient Sample ID: 5PC-TB @ 3' (21)-AProject: HUBBARD GC A 1Collection Date: 3/13/2018 1:30:00 PMLab ID: 1803743-001Matrix: SOILReceived Date: 3/14/2018 7:35:00 AM

Chloride	ND	30			Analyst:	0.18
Chlorido	ND	30				033
Chionde		00	mg/Kg	20	3/14/2018 9:26:45 AM	37006
PA METHOD 8015D MOD: GASOLINE	RANGE				Analyst:	AG
Gasoline Range Organics (GRO)	ND	3.4	mg/Kg	1	3/14/2018 10:11:28 AM	G49772
Surr: BFB	120	70-130	%Rec	1	3/14/2018 10:11:28 AM	G49772
PA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst:	TOM
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	3/14/2018 10:14:52 AM	37005
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	3/14/2018 10:14:52 AM	37005
Surr: DNOP	92.1	70-130	%Rec	1	3/14/2018 10:14:52 AM	37005
PA METHOD 8260B: VOLATILES SHO	ORT LIST				Analyst:	AG
Benzene	ND	0.017	mg/Kg	1	3/14/2018 10:11:28 AM	R49772
Toluene	ND	0.034	mg/Kg	1	3/14/2018 10:11:28 AM	R49772
Ethylbenzene	ND	0.034	mg/Kg	1	3/14/2018 10:11:28 AM	R49772
Xylenes, Total	ND	0.067	mg/Kg	1	3/14/2018 10:11:28 AM	R49772
Surr: 4-Bromofluorobenzene	111	70-130	%Rec	1	3/14/2018 10:11:28 AM	R49772
Surr: Toluene-d8	91.1	70-130	%Rec	1	3/14/2018 10:11:28 AM	R49772

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	E	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 1 of 7
	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

CI	hain-o	of-Cus	stody Record	Turn-Around T	Time:	SAME	Ι.				44		F		/TE	20	NE	ME	NT	• Гаі	
Client:		and the second se	/ BP AMERICA	Standard	(Rush _	DAY)												RA			
				Project Name:	-											ental					
Mailing Ad	dress:	P.O. BO	X 87	ни	BBARD GC	A #1		40	01 L										,		
			FIELD, NM 87413	Project #:	DDAILD GC	N n k												37109	,		
	_	(505) 63						IE	91. 50	15-34	45-3					-345 ques		/			
Phone #: email or F	av#.	(505) 05		Project Manag	ler.							. '		yara	I CO	ques				-	
QA/QC Pac									6					504)	3's			- 300.1)			
Standa			Level 4 (Full Validation)		ERIN GARI	FALOS	(8021B)	+ TPH (Gas only)	MRO)			S)		Anions (F,Cl,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	PCB's			er - 3			a)
Accreditat				Sampler: NELSON VELEZ		8	(Gas	DRO /	न	1)	PAH (8310 or 8270SIMS)		0 ₂ ,F	8082			Chloride (soil - 300.0 / water			composite sample	
)	D Other		On Ice;	K Yes	⊡ No 921		H	-	418.	504.	3270		0 ₃ ,N			(A)	0.00			e sa
	ype)			Sample Temp	erature: 1.0			+	(GRC	pol	pou	or	etals	CI'N	cide	(A)	i-VC	il - 3(le	osit
				Container	Preservative		I	+ MTBE	TPH 8015B (GRO	TPH (Method 418.1)	EDB (Method 504.1)	3310	RCRA 8 Metals	5 (F,(Pesticides	8260B (VOA)	8270 (Semi-VOA)	e (so		sample	dmo
Date	Time	Matrix	Sample Request ID	Type and #	Туре	HEAL No.	BTEX +	BTEX +	H 80	H (N	B (N	3) H)	RA	ion	8081	60B	70 (lorid		Grab s	5 pt. c
alistia				MOHKA		1803-143		BT		Ħ	E	PA	1 M	Ar	8	82	82				
3/13/18	1330	SOIL	5РС-ТВ@ З′(21)-А	4 oz 1	Cool	-201	V		۷									۷	_	\rightarrow	۷
																				$ \rightarrow $	
3(13/18		SOIL	EPC TR (05) B	4	Geol	202	+		*									¥		_	*
																				T	
																				1	
															-					+	
							-			-										+	-
							\vdash								-	-				-+	+
							-			-								\vdash	-	+	-
W							-						-	-			-		-		
Date:	Time:	Relinquish	ed by:	Received by:	[Date Time	Ren	harks	:	BILL	DIREC	TLY T	O BP	USING	G THE	CONT	ACT V	MITH C	ORRE	SPON	DING
3/13/18		9	/ her y	P. L. I	nL	3/13/18 1418				& RE	FERE	NCE #	WHE	N APP	LICA	BLE;					
Date:	1418 Time:	Relinguish	ed by:	Received by:	no		C				n ga Xon			/ VA	NCE	HIX	DN				
3/13/18	1824	An	tuals (lehan.	03/14/1	5 Courses	Re	feren			P -										

Client: Blagg Engineering Project: HUBBARD GC A 1

Sample ID MB-37006	SampType: mblk	TestCode: EPA Method	300.0: Anions	
Client ID: PBS	Batch ID: 37006	RunNo: 49765		
Prep Date: 3/14/2018	Analysis Date: 3/14/2018	SeqNo: 1611765	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			
Sample ID LCS-37006	SampType: Ics	TestCode: EPA Method	300.0: Anions	
Client ID: LCSS	Batch ID: 37006	RunNo: 49765		
Prep Date: 3/14/2018	Analysis Date: 3/14/2018	SeqNo: 1611766	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Analyte				

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 7

15-Mar-18

WO#: 1803743

WO#: 1803743

15-Mar-18

66	ngineering ARD GC A 1								
Sample ID LCS-37005	SampType: I	cs	Tes	tCode: EF	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: LCSS	Batch ID:	37005	F	RunNo: 4	9769				
Prep Date: 3/14/2018	Analysis Date:	3/14/2018	5	SeqNo: 1	610502	Units: mg/K	g		
Analyte	Result PQL	. SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47 1	0 50.00	0	94.0	70	130			
Surr: DNOP	4.1	5.000		82.7	70	130			
Sample ID MB-37005	SampType:	IBLK	Tes	tCode: EF	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: PBS	Batch ID:	7005	F	RunNo: 49	9769				
Prep Date: 3/14/2018	Analysis Date:	3/14/2018	5	SeqNo: 10	610503	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND 1	0							
Motor Oil Range Organics (MRO)	ND 5	0							
Surr: DNOP	8.8	10.00		88.4	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

Page 4 of 7

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WO#:

1803743 15-Mar-18

Client: Project:		ngineering ARD GC A	1										
Sample ID	100ng Ics	Samp	Гуре: LC	S4	Tes	tCode: E	PA Method	8260B: Vola	tiles Shor	List			
Client ID:	BatchQC	Batc	h ID: R4	9772	F	RunNo: 4	9772						
Prep Date:		Analysis [Date: 3/	14/2018		SeqNo: 1	610522	Units: mg/ł	٢g				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene		0.98	0.025	1.000	0	98.2	80	120					
Toluene		0.99	0.050	1.000	0	98.6	80	120					
Ethylbenzene		0.99	0.050	1.000	0	99.1	80	120					
Xylenes, Total		3.0	0.10	3.000	0	99.7	80	120					
Surr: 4-Brom	nofluorobenzene	0.47		0.5000		93.5	70	130					
Surr: Toluen	e-d8	0.46		0.5000		91.4	70	130					
Sample ID	rb	Samp	Гуре: МЕ	BLK	Tes	tCode: E	PA Method	8260B: Vola	tiles Short	List			
Client ID:	PBS	Batc	h ID: R4	9772	F	RunNo: 4	9772						
Prep Date:		Analysis [Date: 3/	14/2018		SeqNo: 1	610526	Units: mg/h	٢g				
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-Brom	nofluorobenzene	0.54		0.5000		107	70	130					
Surr: Toluen	e-d8	0.46		0.5000		91.3	70	130					
Sample ID	1803743-002ams	Samp	Type: MS	54	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID:	5PC-TB @ 5' (95)	-B Batcl	h ID: R4	9772	F	RunNo: 4	9772						
Prep Date:		Analysis [Date: 3/	14/2018	5	SeqNo: 1	611298	Units: mg/h	(g				
Analyte		Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene		0.71	0.018	0.7369	0	95.7	80	120					
Toluene		0.71	0.037	0.7369	0.004348	95.2	80	120					
Ethylbenzene		0.72	0.037	0.7369	0	97.6	80	120					
Xylenes, Total		2.2	0.074	2.211	0.01780	96.7	80	120					
	nofluorobenzene	0.35		0.3684		95.9	70	130					
Surr: Toluen	e-d8	0.33		0.3684		88.2	70	130					
	1803743-002ams		ype: MS		Tes	tCode: El	PA Method	8260B: Vola	tiles Short	List			
Client ID:	5PC-TB @ 5' (95)		n ID: R4		F	RunNo: 4	9772						
Prep Date:		Analysis D	Date: 3/	14/2018	S	SeqNo: 1	611299	Units: mg/k	٢g				
Analyte		Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene		0.68	0.018	0.7369	0	92.4	80	120	3.52	0			
Toluene		0.69	0.037	0.7369	0.004348	92.7	80	120	2.66	0			
Ethylbenzene		0.70	0.037	0.7369	0	94.8	80	120	2.95	0			
Xylenes, Total		2.1	0.074	2.211	0.01780	95.2	80	120	1.60	0			
-													

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
- Tunge
- Page 5 of 7

Client:Blagg EngineeringProject:HUBBARD GC A 1

Sample ID 1803743-002a	amsd SampT	ype: MS	SD4	Test	Code: El	PA Method	8260B: Vola	tiles Short	List	
Client ID: 5PC-TB @ 5'	(95)-B Batch	ID: R4	9772	R	unNo: 4	9772				
Prep Date:	Analysis D	ate: 3	14/2018	S	eqNo: 1	611299	Units: mg/h	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.35		0.3684		95.0	70	130	0	0	
Surr: Toluene-d8	0.33		0.3684		89.4	70	130	0	0	

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

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Client:Blagg EngineeringProject:HUBBARD GC A 1

Sample ID 2.5ug gro Ics	TestCode: EPA Method 8015D Mod: Gasoline Range										
Client ID: LCSS	Batch	n ID: G4	9772	RunNo: 49772							
Prep Date: Analysis Date: 3/			14/2018	S	SeqNo: 1	610 <u>5</u> 19	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	29	5.0	25.00	0	118	70	130				
Surr: BFB	540		F00 0		107	70	130				
Suit. BI B	540		500.0		107	70	130				
Sample ID rb		ype: ME		Tes			8015D Mod:	Gasoline	Range		
	SampT	ype: ME	3LK			PA Method		Gasoline	Range		
Sample ID rb	SampT	n ID: G4	3LK	F	tCode: El	PA Method			Range		
Sample ID rb Client ID: PBS	SampT Batch	n ID: G4	3LK 9772 14/2018	F	tCode: El RunNo: 4	PA Method	8015D Mod:		Range RPDLimit	Qual	
Sample ID rb Client ID: PBS Prep Date:	SampT Batch Analysis D	n ID: G4 ate: 3/	3LK 9772 14/2018	F	tCode: El RunNo: 4 SeqNo: 1	PA Method 9772 610520	8015D Mod: Units: mg/K	ζg	U	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

ENVIRONMENTAL ANALYSIS		01 Hawkins NE que, NM 87109 505-345-4107	Sam	ple Log-In C	heck List
Client Name: BLAGG Wo	ork Order Number: 180	3743		RcptNo:	1
Received By: Anne Thorne 3/14/	2018 7:35:00 AM	a	in Im	_	
Completed By: Anne Thorne 3/14/	2018 7:45:09 AM	a	me Han		
Reviewed By: SRC 03/14/18					
Labeled By: AT	~				
Chain of Custody					
1. Is Chain of Custody complete?	Yes		lo 🗌	Not Present	
2. How was the sample delivered?	Cou	rier			
Log In 3. Was an attempt made to cool the samples?	Yes	N N	lo 🗌		
4. Were all samples received at a temperature of >0°	C to 6.0°C Yes	✓ N	lo 🗆	NA 🗌	
5. Sample(s) in proper container(s)?	Yes	✓ N	lo 🗋		
6. Sufficient sample volume for indicated test(s)?	Yes	✓ N	•		
7. Are samples (except VOA and ONG) properly prese	rved? Yes	✓ N	•		
8. Was preservative added to bottles?	Yes		•	NA 🗌	
9. VOA vials have zero headspace?	Yes	N	•	No VOA Vials 🗹	
10. Were any sample containers received broken?	Yes		•	# of preserved bottles checked	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes	✓ N	•	for pH:	>12 unless noted)
12. Are matrices correctly identified on Chain of Custody	y? Yes	✓ No		Adjusted?	
13. Is it clear what analyses were requested?	Yes		• 🗆		
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes	✓ N	•	Checked by:	
Special Handling (if applicable)					
15. Was client notified of all discrepancies with this order	er? Yes		o 🗌	NA 🗹	
Person Notified:	Date	CR. T. T. T. T. D. C. A. C. S. M. D. B. B. B. B.			
By Whom:	Via: eM	ail [] Phone [Fax	In Person	
Regarding:			National State of the State of the State	California Station and an and	
Client Instructions:		R. TALARA I SAMUAL IN A Dealer a survey course on one of the			14.1
16. Additional remarks:					
17. <u>Cooler Information</u>					
Cooler No Temp °C Condition Seal Intac	t Seal No Seal D	ate Signed	By	•	
1 1.0 Good Yes					

