District I 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 1220 S. St. Francis Dr., Santa Fe, NM 87505

Liner type: Thickness

Alternative Method:

State of New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office. For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Pit, Closed-Loop System, Below-Grade Tank, or
Proposed Alternative Method Permit or Closure Plan Application

1 toposed Attendative Method 1 ethilit of Closure I fair Application				
Type of action: Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method Modification to an existing permit Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method				
Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request				
Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the				
environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.				
1.				
Operator: BP AMERICA PRODUCTION COMPANY OGRID #: 778				
Address: 200 Energy Court, Farmington, NM 87401				
Facility or well name: HEATH GAS COM F 001				
API Number: 3004508552 OCD Permit Number:				
U/L or Qtr/Qtr E Section 8.0 Township 29.0N Range 09W County: San Juan County				
Center of Proposed Design: Latitude 36.741833 Longitude -107.807775 NAD: ☐1927 ▼ 1983				
Surface Owner: ▼ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment				
2. 5388.0.0				
Pit: Subsection F or G of 19.15.17.11 NMAC				
Temporary: Drilling Workover				
Permanent Emergency Cavitation P&A				
Lined Unlined Liner type: Thicknessmil LLDPE HDPE PVC Other				
☐ String-Reinforced				
Liner Seams: Welded Factory Other Volume: bbl Dimensions: L x W x D				
3,				
Closed-loop System: Subsection H of 19.15.17.11 NMAC				
Type of Operation: P&A Drilling a new well Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent)				
☐ Drying Pad ☐ Above Ground Steel Tanks ☐ Haul-off Bins ☐ Other				
Lined Unlined Liner type: Thickness mil LLDPE HDPE PVC Other				
Liner Seams: Welded Factory Other				
4.				
■ Below-grade tank: Subsection I of 19.15.17.11 NMAC Tank ID: A				
Volume: 21.0 bbl Type of fluid: Produced Water				
Tank Construction material: Steel				
Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off				
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other SINGLE WALLED DOUBLE BOTTOMED SIDEWALLS NOT VISIBLE				

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

mil HDPE PVC Other

Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)				
Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)				
Four foot height, four strands of barbed wire evenly spaced between one and four feet				
Alternate. Please specify				
7.				
Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)				
Screen Netting Other Monthly importing (Foothing accessing in set physically foothing)				
Monthly inspections (If netting or screening is not physically feasible)				
8. 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				
9				
Administrative Approvals 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:				
Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau consideration of approval.	office for			
Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.				
10.				
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 acceptance of the compliance for each siting criteria below in the application.	otable source			
material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appro-	priate district			
office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying pads or				
above-grade tanks associated with a closed-loop system.	□ Vas □ Na			
Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No			
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).	Yes No			
- Topographic map; Visual inspection (certification) of the proposed site				
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	☐ Yes ☐ No ☐ NA			
 (Applies to temporary, emergency, or cavitation pits and below-grade tanks) Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	L NA			
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes No			
(Applies to permanent pits) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	∐ NA			
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock	☐ Yes ☐ No			
watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, 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 incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	☐ Yes ☐ No			
adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality				
Within 500 feet of a wetland.	☐ Yes ☐ No			
- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	165 100			
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.	Yes No			
 Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 				
Within a 100-year floodplain FEMA map	☐ Yes ☐ No			

Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment 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 documents are 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 19.15.17.11 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 19.15.17.9 NMAC and 19.15.17.13 NMAC
Closed-loop Systems Permit Application Attachment 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 documents are attached. Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9 Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC 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 Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
Previously Approved Design (attach copy of design) API Number:
Previously Approved Operating and Maintenance Plan API Number: (Applies only to closed-loop system that use
above ground steel tanks or haul-off bins and propose to implement waste removal for closure)
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 documents are attached. Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC Sitting 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 19.15.17.12 NMAC Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Nuisance or Hazardous Odors, including H ₂ S, Prevention Plan Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Erosion Control Plan Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
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 Closed-loop System 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 (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)
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 F 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 I of 19.15.17.13 NMAC

Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-of Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill		
facilities are required. Disposal Facility Name: Disposal Facility Permi	it Number:	
Disposal Facility Name: Disposal Facility Permi		
Will any of the proposed closed-loop system operations and associated activities occur on or in areas that w		vice and aperations?
Yes (If yes, please provide the information below) No	the first of the disease of the first serv	rice and operations?
Required for impacted areas which will not be used for future service and operations: Soil Backfill and Cover Design Specifications based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC Site Reclamation Plan - based upo		C
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. Recomm provided below. Requests regarding changes to certain siting criteria may require administrative approves considered an exception which must be submitted to the Santa Fe Environmental Bureau office for considerations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.	val from the appropriate distr	rict office or may be
Ground water is less than 50 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby to the state of the State Engineer - iWATERS database search; USGS; Data obtained from nearby to the state of the State Engineer - iWATERS database search; USGS; Data obtained from nearby to the state of the State Engineer - iWATERS database search; USGS; Data obtained from nearby to the state of the State Engineer - iWATERS database search; USGS; Data obtained from nearby to the state Engineer - iWATERS database search; USGS; Data obtained from nearby to the state Engineer - iWATERS database search; USGS; Data obtained from nearby to the state Engineer - iWATERS database search; USGS; Data obtained from nearby to the state Engineer - iWATERS database search; USGS; Data obtained from nearby to the state Engineer - iWATERS database search; USGS; Data obtained from nearby to the state Engineer - iWATERS database search; USGS; Data obtained from nearby to the state Engineer - iWATERS database search; USGS; Data obtained from nearby to the state of the state o	wells	☐ Yes ☐ No ☐ NA
Ground water is between 50 and 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
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 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	lakebed, sinkhole, or playa	Yes No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	of initial application.	☐ Yes ☐ No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households u watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the projection (certification) of th	e time of initial application.	Yes No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered und 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 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification)	on) of the proposed site	☐ 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; Society; Topographic map	USGS; NM Geological	☐ Yes ☐ No
Within a 100-year floodplain FEMA map		☐ Yes ☐ No
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must 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 Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19.15.17.10 Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 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 Subsection Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.1 Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case of 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 G of 19.15.17.13 NMAC	0 NMAC 17.13 NMAC of 19.15.17.11 NMAC propriate requirements of 19.10 of F of 19.15.17.13 NMAC 7.13 NMAC on-site closure standards cannot	15.17.11 NMAC

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 belief.
Name (Print): Title:
Signature: Date:
e-mail address: Telephone:
OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: 1210(2018) OCD Permit Number:
Closure Report (required within 60 days of closure completion): Subsection K of 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. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed. Closure Completion Date: 10\04\2018
22.
Closure Method: Waste Excavation and Removal On-Site Closure Method Alternative Closure Method Waste Removal (Closed-loop systems only) If different from approved plan, please explain.
Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: Instructions: Please indentify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.
Disposal Facility Name: Disposal Facility Permit Number:
Disposal Facility Name: Disposal Facility Permit Number:
Were the closed-loop system operations and associated activities performed on or in areas that <i>will not</i> be used for future service and operations? Yes (If yes, please demonstrate compliance to the items below) No
Required for impacted areas which will not be used for future service and operations: Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique
Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached. □ Proof of Closure Notice (surface owner and division) □ Proof of Deed Notice (required for on-site closure) □ Plot Plan (for on-site closures and temporary pits) ☑ Confirmation Sampling Analytical Results (if applicable) □ Waste Material Sampling Analytical Results (required for on-site closure) ☑ Disposal Facility Name and Permit Number ☑ Soil Backfilling and Cover Installation □ Re-vegetation Application Rates and Seeding Technique ☑ Site Reclamation (Photo Documentation) On-site Closure Location: Latitude
25. 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): Steve Moskal Title: Field Environmental Coordinator
Signature:
e-mail address: steven.moskal@bpx.com Telephone: 505-330-9179

Operator Closure Certification:		
	with this closure report is true, accurate and complete to the best of my knowledg e closure requirements and conditions specified in the approved closure plan.	ge and
Name (Print):	Title:	
Signature:	Date:	
e-mail address:	Telephone:	

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party BP America Production Company		ogrid 7	OGRID 778		
Contact Name Steve Moskal Co		Contact Te	Contact Telephone (505) 330-9179		
Contact ema	Contact email Steven.Moskal@bpx.com Inc			Incident #	(assigned by OCD)
Contact mail	ing address	380 North Air	port Road, Dura	ingo, CO 813	303
Location of Release Source					
Latitude	36.	.741833	(NAD 83 in decima	Longitude _ al degrees to 5 decim	-107.807578 mal places)
Site Name H	IEATH G	AS COM N 00)1	Site Type	Natural Gas Well
Date Release	Discovered			API# (if app	plicable) 30-045-08552
Unit Letter	Section	Township	Range	Coun	nty
E	8	29N	09W	San Ju	uan
Crude Oil		T			justification for the volumes provided below)
Produced		Volume Release			Volume Recovered (bbls) Volume Recovered (bbls)
Froduced	water		tion of dissolved chlo	ride in the	Yes No
Condensa	nte	Volume Release	ed (bbls)		Volume Recovered (bbls)
Natural G	Gas	Volume Release	ed (Mcf)		Volume Recovered (Mcf)
Other (describe) Volume/Weight Released (provide units)		nits)	Volume/Weight Recovered (provide units)		
Cause of Rel	ease TPH,	BTEX, & chlo	oride all below b	elow-grade ta	tank (BGT) permit closure standards.

Form C-141 Page 2

State of New Mexico Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by	If YES, for what reason(s) does the respon	sible party consider this a major release?		
19.15.29.7(A) NMAC?				
☐ Yes ⊠ No				
If YES, was immediate no	otice given to the OCD? By whom? To wh	om? When and by what means (phone, email, etc)?		
Not required.				
	Initial Re	esponse		
The responsible p	party must undertake the following actions immediately	unless they could create a safety hazard that would result in injury		
The source of the rele	ease has been stopped.			
	s been secured to protect human health and	the environment.		
		ikes, absorbent pads, or other containment devices.		
All free liquids and re	ecoverable materials have been removed and	managed appropriately.		
If all the actions described	d above have <u>not</u> been undertaken, explain v	vhy:		
has begun, please attach a	a narrative of actions to date. If remedial e	emediation immediately after discovery of a release. If remediation efforts have been successfully completed or if the release occurred lease attach all information needed for closure evaluation.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.				
Printed Name: Steve	e Moskal	Title: Environmental Coordinator		
Signature:	Mey	Date:		
	kal@bpx.com			
OCD Only				
Received by:		Date:		

BP AMERICA PRODUCTION COMPANY

SAN JUAN BASIN, NORTHWEST NEW MEXICO

BELOW-GRADE TANK CLOSURE PLAN

Heath Gas Com F # 1 – Tank ID: A

API #: 3004508552
Unit Letter E, Section 8, T29N, R09W

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 documented in the attached email.

- 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)
 - i. BP Operated GCU 328 SWD, API 30-045-24735 (Liquids)
 - k. BP Operated Pritchard SWD #1, API 30-045-28351 (Liquids)

All liquids and/or sludge within 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
		(mg/Kg)	Results
Benzene	US EPA Method SW-846 8021B or 8260B	0.2	< 0.019
Total BTEX	US EPA Method SW-846 8021B or 8260B	50	< 0.077
TPH	US EPA Method SW-846 418.1	100	<49
Chlorides	US EPA Method 300.0 or 4500B	250 or background	<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 beneath the BGT was sampled for TPH, BTEX, and chloride. All test parameters were below the stated limits. A field and laboratory reports are attached.

- 7. 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 reveal no evidence of a release has occurred.

9. If the sampling demonstrates that a release has not occurred or that any release does not exceed the concentrations specified above, then BP shall backfill the excavation, with compacted, nonwaste 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.

<u>Sampling results reveal no evidence of a release has occurred.</u> Area was backfilled with clean, earthen material and is within the active well pad.

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 BGT area has been backfilled and will be reclaimed once the well has been plugged & 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 BGT area has been backfilled and will be reclaimed once the well has been plugged & 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 BGT area has been backfilled and will be reclaimed once the well has been plugged & 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 BGT area has been backfilled and will be reclaimed once the well has been plugged & 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 re-vegetation.

BP will notify NMOCD when re-vegetation is successfully completed.

- 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.

<u>Closure report on C-144 form is included & contains a photo of the reclamation completion.</u>

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.

BP Pit Close Notification - HEATH GAS COM F 001

Farrah Buckley <Farrah.Buckley@bpx.com>
 To:Smith, Cory, EMNRD,Fields, Vanessa, EMNRD (Vanessa.Fields@state.nm.us)
 Cc:jeffcblagg@aol.com,blagg_njv@yahoo.com,Erin Dunman,Steven Moskal

September 28, 2018

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

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

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

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

HEATH GAS COM F 001 API 30-045-08552 (E) Section 8 – T29N – R09W 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 21bbl BGT that will no longer be operational at this well site. We anticipate this work to start on or around October 2, 2018.

Should you have any questions, please feel free to contact BP.

Sincerely,

Steve Moskal BP Lower 48 – San Juan Field Environmental Coordinator Phone: (505) 330-9179

Farrah Buckley

BGT Project Support 970-946-9199 -cell



380 Airport Rd Durango, CO 81303 Phone: (970) 247 6800

September 28, 2018

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: HEATH GAS COM F 001 API# - 3004508552

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 October 2, 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 continu3e to operate.

If witnessing of the tank removal is required please contact me for a specific time (505)-330-9179.

Sincerely,

Steve Moskal BP Lower 48 – San Juan Field Environmental Coordinator

CLIENT: BP	BLAGG EN P.O. BOX 87, BL (505	41 3	API #: 300450 TANK ID (if applicble):)8552 A	
FIELD REPORT:	(circle one): BGT CONFIRMATION /	,		PAGE #: 1	of1
SITE INFORMATION	I. CITE NAME: HEATH	GC F #1		2475 0740750 10	/02/18
QUAD/UNIT: E SEC: 8 TWP	The second secon	NM CNTY: SJ ST:	NM	D. 112 0 11 2 11 2 2 1	102/10
				DATE FINISHED:	
1/4 - 1/4/FOOTAGE: 1,830'N / 1, LEASE #: SF076337	PROD. FORMATION: PC CO	CTDIKE		ENVIRONMENTAL SPECIALIST(S):	NJV
REFERENCE POIN		coord.: 36.741839 X 1		GLELEV.	5 648'
	GPS COORD.: 36.74				
2)					
3)					
4)			DISTANCE/BEA	KING FKOW W.H.:	OVM
SAMPLING DATA:				4 ED 10004 D 1000 0 100	READING (ppm)
1) SAMPLE ID: 5PC - TB @ 2					NA
SAMPLE ID: 3) SAMPLE ID:					
4) SAMPLE ID:					
5) SAMPLE ID:	SAMPLE DATE:	SAMPLE TIME: LAB ANAL	YSIS:		
SOIL DESCRIPTION	SOIL TYPE: SAND SILTY SAND SI	IT / SILTY CLAY / CLAY / GRAVEL / OTH	FR		
SOIL COLOR: MOD	And the state of t	PLASTICITY (CLAYS): NON PLASTIC / SLIGH		OHESIVE / MEDIUM PLASTIC / H	IGHLY PLASTIC
COHESION (ALL OTHERS): NON COHESIVE SLIGHT		DENSITY (COHESIVE CLAYS & SILTS):			IOILITEAOIIO
CONSISTENCY (NON COHESIVE SOILS): L	OOSE FIRM DENSE / VERY DENSE	HC ODOR DETECTED: YES NO EXPLAN			
MOISTURE: DRY/SLIGHTLY MOIST MOIST / N					
SAMPLE TYPE: GRAB COMPOSITE DISCOLORATION/STAINING OBSERVED: YES		ANY AREAS DISPLAYING WETNESS: YES	NO EXPLA	NATION -	
		VECTOD EXPLANATION			
SITE OBSERVATIOI APPARENT EVIDENCE OF A RELEASE OBSERV					
EQUIPMENT SET OVER RECLAIMED AREA:		MATION:			
OTHER: NMOCD OR BLM REPS. NOT P	RESENT TO WITNESS CONFIRMATI	ON SAMPLING.			
EXCAVATION DIMENSION ESTIMATION	I: NA ft. X NA	ft. X NA ft. EXC	N/ATION ES	TIMATION (Cubic Yards) :	NA
DEPTH TO GROUNDWATER: 50' < x <100		NEAREST SURFACE WATER: 300' <			100 ppm
SITE SKETCH					ррпі
SITE SKETOIT	BGT Located: off on site	PLOT PLAN circle: at		CALIB. READ. = NA	_ppm RF = 1.00
				CALIB. GAS = NA	ppm
			TIME	: NA am/pm DATE:	NA
			' [MISCELL. NO	DTES
			s	10#: 1900400054	02
FENCE	PBGTL	W.H.	R	EF#: P-1014	
	(x x x) ← T.B. ~2'	\oplus	V	ID: VHIXONEV1	11
BERM —	B.G.		P	J#:	
			P		21/18
			O		05/18
			10	ppm = parts per millio	n
			A	BGT Sidewalls Visible: Y	
X - S.P.D.				BGT Sidewalls Visible: Y	
NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVAT				BGT Sidewalls Visible: Y	
	:LOW-GRADE TANK LOCATION;		<u>N-NOI</u>	Magnetic declination:	10 E
NOTES: GOOGLE EARTH IMAG		ONSITE: 10/02/18			

Analytical Report

Lab Order 1810162

Date Reported: 10/4/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Project: HEATH GC F 1

Lab ID: 1810162-001

Matrix: SOIL

Client Sample ID: 5PC-TB @ 2' (21)

Collection Date: 10/2/2018 11:05:00 AM

Received Date: 10/3/2018 6:40:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	smb
Chloride	ND	30		mg/Kg	20	10/3/2018 10:47:43 AM	40771
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS					Analyst:	Irm
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/3/2018 11:03:39 AM	40763
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/3/2018 11:03:39 AM	40763
Surr: DNOP	125	50.6-138		%Rec	1	10/3/2018 11:03:39 AM	40763
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	NSB
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	10/3/2018 10:22:55 AM	40747
Surr: BFB	92.7	15-316		%Rec	1	10/3/2018 10:22:55 AM	40747
EPA METHOD 8021B: VOLATILES						Analyst:	NSB
Benzene	ND	0.019		mg/Kg	1	10/3/2018 10:22:55 AM	40747
Toluene	ND	0.038		mg/Kg	1	10/3/2018 10:22:55 AM	40747
Ethylbenzene	ND	0.038		mg/Kg	1	10/3/2018 10:22:55 AM	40747
Xylenes, Total	ND	0.077		mg/Kg	1	10/3/2018 10:22:55 AM	40747
Surr: 4-Bromofluorobenzene	90.2	80-120		%Rec	1	10/3/2018 10:22:55 AM	40747

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

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 Page 1 of 5
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Chain-of-Custody Record			Turn-Around 1	HALL ENVIRONMEN AL																	
Client:	BLAG	G ENGR.	/ BP AMERICA	Standard Project Name:	ANALYSIS LABORATORY www.hallenvironmental.com																
Mailing Ad	ddress:	P.O. BO	X 87	H	EATH GC I	F #1		490	01 H	awkir								9			
		BLOOM	FIELD, NM 87413	Project #:						5-345				505							
Phone #:		(505) 63	2-1199				Analysis Request														
email or F	ax#:			Project Manag	er:					T	T		4				1)				
QA/QC Pad Standa					STEVE MO	SKAL	(8021B)	only)	/ MRO)	-	100	íci	PO4,SO	2 PCB's			ter - 300.1)			a)	
Accreditat	ion:			Sampler:	NELSON VI	ELEZ	₩. (8)	(Gas	DRO/	1)	(1)	(CIVIICO 120	102,1	8082			/ water			sample	
□ NELAP)	□ Other		On Ice:	¥ Yes	□ No . 97V	1	TPH	-	418.	504.	77 ,	03,1	8/8		(A)	0.00			e sa	S
□ EDD (T	ype)	T		Sample Temp	erature: /6			, + 3E	(GRC	pod	pou	2 4	N.	cide	(A)	i-VC	il - 3(e	osit	> ≥
Date	Time	Matrix	Sample Request ID	10/03/18 Container Type and # May ka	Preservative Type	HEAL NO.	BTEX ← MITE	BTEX + MTBE + TPH	TPH 8015B (GRO	TPH (Method 418.1)	EDB (Method 504.1)	RCRA 8 Metals	Anions (F,Cl,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides	8260B (VOA)	8270 (Semi-VOA)	Chloride (soil - 300.0		Grab sample	5 pt. composite	Air Bubbles (Y or N)
10/4/8	1105	SOIL	5PC - TB @ 2 (21)	4 oz 1	Cool	100	٧		٧								٧			٧	
Date	Time	Relinquishe	acl by:	Received by:		Date Time	Rem	arks:		BILLDI	RECIL	/ TO BE	DUSIN	G THE	CONT	ACTV	WITH C	ORRE	SPON	DING	SVID
10/2/18	Dr.	Relinquishe	help		Walt	10/2/18 1549	Rem	ATAC	CT:	BILL DI & REFE STEVI	RENCE	# WH	EN AP	PLICA	BLE;		VITH C	ORRES	SPON	DING	VID
Date: Time: Relinquished by:			Received by:	-	Date	Ref	eren		VHIX	- 10:											

Hall Environmental Analysis Laboratory, Inc.

WO#:

1810162

04-Oct-18

Client:

Blagg Engineering

Project:

HEATH GC F 1

Sample ID MB-40771 SampType: mblk

TestCode: EPA Method 300.0: Anions

Client ID:

PBS

Batch ID: 40771

RunNo: 54611

Prep Date: 10/3/2018 Analysis Date: 10/3/2018

SeqNo: 1812102

Units: mg/Kg

HighLimit

%RPD **RPDLimit**

Qual

Analyte Chloride

PQL

Result ND

SampType: Ics

TestCode: EPA Method 300.0: Anions

LCSS

Batch ID: 40771

RunNo: 54611

Units: mg/Kg

Prep Date: 10/3/2018

Sample ID LCS-40771

Analysis Date: 10/3/2018

15

SeqNo: 1812103

SPK value SPK Ref Val %REC LowLimit

Analyte

Client ID:

SPK value SPK Ref Val

0

%REC LowLimit HighLimit

%RPD **RPDLimit**

Qual

Chloride

1.5

15.00

90

1.5

98.6

110

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

Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

В Analyte detected in the associated Method Blank

Е Value above quantitation range

J Analyte detected below quantitation limits

Page 2 of 5

Sample pH Not In Range

RL Reporting Detection Limit

Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1810162

04-Oct-18

Client:

Blagg Engineering

Project:

HEATH GC F 1

Project: HEATH	GCFI								
Sample ID LCS-40763	SampType: L	cs	Test	tCode: EP	A Method	8015M/D: Die	sel Range	Organics	
Client ID: LCSS	Batch ID: 4	0763	R	RunNo: 54	1604				
Prep Date: 10/3/2018	Analysis Date:	10/3/2018	S	SeqNo: 18	311178	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51 10	50.00	0	101	70	130			
Surr: DNOP	5.6	5.000		112	50.6	138			
Sample ID MB-40763	SampType: N	IBLK	Test	tCode: EP	A Method	8015M/D: Die	sel Range	Organics	
Client ID: PBS	Batch ID: 4	0763	R	RunNo: 54	1604				
Prep Date: 10/3/2018	Analysis Date:	10/3/2018	S	SeqNo: 18	311179	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	12	10.00		121	50.6	138			
Sample ID MB-40755	SampType: N	IBLK	Test	tCode: EP	A Method	8015M/D: Die	sel Range	Organics	
Client ID: PBS	Batch ID: 4	0755	R	RunNo: 54	604				
Prep Date: 10/2/2018	Analysis Date:	10/3/2018	S	SeqNo: 18	12024	Units: %Rec			
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11	10.00		113	50.6	138			
Sample ID LCS-40755	SampType: L	cs	Test	tCode: EP	A Method	8015M/D: Die	sel Range	Organics	
Client ID: LCSS	Batch ID: 4	0755	R	RunNo: 54	604				
Prep Date: 10/2/2018	Analysis Date:	10/3/2018	S	SeqNo: 18	12025	Units: %Rec			
Analyta	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Analyte	Nesult FQL	Of It value	Of It Itel var	70111	LOWLIIIII	riigiiciiiii	701 XI D	THE DEITHIC	Quai

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank

Value above quantitation range

Analyte detected below quantitation limits

Page 3 of 5

P Sample pH Not In Range

Reporting Detection Limit

Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1810162

04-Oct-18

Client:

Blagg Engineering

Project:

HEATH GC F 1

Sample ID MB-40747

SampType: MBLK

TestCode: EPA Method 8015D: Gasoline Range

Client ID:

PBS

Batch ID: 40747

RunNo: 54603

%RPD

Units: mg/Kg

Prep Date:

10/2/2018

Analysis Date: 10/3/2018

PQL

SeqNo: 1811508

Analyte

Result ND SPK value SPK Ref Val

RPDLimit Qual

Gasoline Range Organics (GRO) Surr: BFB

970

5.0 1000

96.9

%REC

316

HighLimit

Sample ID LCS-40747

SampType: LCS Batch ID: 40747 TestCode: EPA Method 8015D: Gasoline Range

RunNo: 54603

LowLimit

15

Prep Date:

Client ID: LCSS 10/2/2018

Analysis Date: 10/3/2018

SeqNo: 1811509

Units: mg/Kg

RPDLimit Qual

Analyte

Result

PQL SPK value SPK Ref Val

%REC LowLimit

75.9 15

HighLimit %RPD

131

316

Gasoline Range Organics (GRO) 23 5.0 25.00 0 92.7 Surr: BFB 1100 1000 108

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

Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank

E Value above quantitation range

Reporting Detection Limit

J Analyte detected below quantitation limits

Page 4 of 5

P Sample pH Not In Range

RL

Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1810162

04-Oct-18

Client: Project:

Blagg Engineering HEATH GC F 1

Sample ID MB-40747 TestCode: EPA Method 8021B: Volatiles SampType: MBLK Client ID: PBS Batch ID: 40747 RunNo: 54603 Prep Date: 10/2/2018 Analysis Date: 10/3/2018 SeqNo: 1811539 Units: mg/Kg Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** ND 0.025 Benzene Toluene ND 0.050 0.050 Ethylbenzene ND ND 0.10 Xylenes, Total Surr: 4-Bromofluorobenzene 0.93 1.000 93.1 80 120

Sample ID LCS-40747	SampType: LCS TestCode: EPA Method 8021B: Volatiles									
Client ID: LCSS	Batch	1D: 40	D: 40747 RunNo: 54603							
Prep Date: 10/2/2018	Analysis D	ate: 10	0/3/2018	SeqNo: 1811540 Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.025	1.000	0	86.9	77.3	128			
Toluene	0.91	0.050	1.000	0	90.8	79.2	125			
Ethylbenzene	0.90	0.050	1.000	0	90.1	80.7	127			
Xylenes, Total	2.7	0.10	3.000	0	91.0	81.6	129			
Surr: 4-Bromofluorobenzene	0.96		1.000		95.7	80	120			

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

Page 5 of 5

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name:	BLAGG		Work	Order Numb	er: 1810	162			Ro	ptNo:	1
Received By:	Anne Tho	me	10/3/20	18 6:40:00 A	M		an	A			
Completed By:	Anne Tho	me	10/3/20	18 6:51:40 A	M		Ann	A	_		
Labeled a	a, Ar	10/03/18									
Chain of Cus	,	10102110									
1. Is Chain of C	ustody comp	ete?			Yes	~	No		Not Present		
2. How was the	sample deliv	ered?			Cou	ier					
Log In											
3. Was an atten	npt made to o	ool the sample	es?		Yes	V	No		NA		
4. Were all sam	ples received	at a temperat	ure of >0° C t	o 6.0°C	Yes	v	No		NA		
5. Sample(s) in	proper contai	ner(s)?			Yes	~	No				
6. Sufficient san	nple volume fo	or indicated te	st(s)?		Yes	~	No				
7. Are samples	except VOA	and ONG) pro	perly preserve	d?	Yes	V	No				
8. Was preserva	tive added to	bottles?			Yes		No	✓	NA		
9. VOA vials hav	e zero heads	pace?			Yes		No		No VOA Vials	V	
10. Were any sar	mple containe	rs received br	oken?		Yes		No	V	# of preserved		-
44 -									bottles checked	b	
 11. Does paperwo (Note discrepant) 					Yes	✓	No		for pH:	<2 or	>12 unless noted)
12. Are matrices					Yes	V	No		Adjusted'		
3. Is it clear wha					Yes	~	No				
14. Were all holdi	ng times able	to be met?			Yes	Y	No		Checked I	oy:	
Special Handi											
15. Was client no			ith this order?		Yes		No		NA	V	
Person	Notified:	and the same of th	AND AND PROPERTY AND AND ADDRESS.	Date	TANKS HELDER SERVE		CARROLL STORES	www.			
By Who	3		CALLED AND AND AND AND AND AND AND AND AND AN	Via:	eMa	ail 🗆	Phone	Fax	In Person		
Regard	ing:		TAXABLE DE DE DE DE CONTROL DE CO	PONTO LA SUBLIMINA DE COMPONIO		243240000	CONTRACTOR OF THE PARTY OF THE	-	Little College		
Client I	nstructions:	MANAGER SELECTION STATE		PHOTOGRAPHICA, TO MEDICIDAD AND AND AND AND AND AND AND AND AND	and an internal sections	NAME OF THE OWNER OF THE OWNER.	A CONTRACTOR OF THE PROPERTY O		dadaman menengan peneralah dan peneralah dan peneralah dan peneralah dan peneralah dan peneralah dan peneralah	24-507	
16. Additional re	marks:			•							,
17. Cooler Infor	mation										
Cooler No		Condition	Seal Intact	Seal No	Seal D	ate	Signed	Ву			
1	1.0	Good	Yes]		



