<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, 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

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 Filterinan vo ividinal Formit of Clobard Film Fighteenion
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.
Operator: BP AMERICA PRODUCTION COMPANY OGRID #: 778
Address: 380 North Airport Road, Durango, CO 81303
Facility or well name: GELBKE COM 001
API Number: 3004520157 OCD Permit Number:
U/L or Qtr/Qtr L Section 11.0 Township 31.0N Range 11W County: San Juan County
Center of Proposed Design: Latitude 36.910722 Longitude -107.964476 NAD: ☐1927 × 1983
Surface Owner: X Federal State Private Tribal Trust or Indian Allotment
- NUMBER
Pit: Subsection F or G of 19.15.17.11 NMAC
Temporary: Drilling Workover JAN 15 2019
remporary. Briting a workover
Dermanant Emerganov Covitation D&A
Permanent Emergency Cavitation P&A
Lined Unlined Liner type: Thicknessmil LLDPE HDPE PVC Other
Lined Unlined Liner type: Thicknessmil LLDPE HDPE PVC Other
□ Lined □ Unlined Liner type: Thicknessmil □ LLDPE □ PVC □ Other □ String-Reinforced Liner Seams: □ Welded □ Factory □ Other
Lined Unlined Liner type: Thicknessmil LLDPE HDPE PVC Other String-Reinforced Liner Seams: Welded Factory Other Volume:bbl Dimensions: Lx Wx D 3.
Lined Unlined Liner type: Thicknessmil LLDPE HDPE PVC Other String-Reinforced Liner Seams: Welded Factory Other Volume:bbl Dimensions: Lx Wx D Closed-loop System: Subsection H of 19.15.17.11 NMAC
Lined Unlined Liner type: Thicknessmil LLDPE HDPE PVC Other String-Reinforced Liner Seams: Welded Factory Other Volume:bbl Dimensions: Lx Wx D 3.
Lined Unlined Liner type: Thicknessmil
Lined Unlined Liner type: Thicknessmil LLDPE HDPE PVC Other String-Reinforced Liner Seams: Welded Factory Other
Lined Unlined Liner type: Thicknessmil
Lined Unlined Liner type: Thicknessmil
Lined Unlined Liner type: Thicknessmil
Lined Unlined Liner type: Thicknessmil LLDPE
□ Lined □ Unlined Liner type: Thicknessmil □ LLDPE □ HDPE □ PVC □ Other □ String-Reinforced Liner Seams: □ Welded □ Factory □ Otherva Wx D String-Reinforced Liner Seams: □ Welded □ Factory □ Otherva Wx D 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: Thicknessmil □ LLDPE □ HDPE □ PVC □ Other Liner Seams: □ Welded □ Factory □ Other
Lined Unlined Liner type: Thickness mil LLDPE HDPE PVC Other String-Reinforced Liner Seams: Welded Factory Other Volume: bbl Dimensions: L x W x D 3.
Lined Unlined Liner type: Thickness mil
Lined Unlined Liner type: Thickness mil LLDPE HDPE PVC Other String-Reinforced Liner Seams: Welded Factory Other Volume: bbl Dimensions: L x W x D 3. 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. Mallow-grade tank: Subsection I of 19.15.17.11 NMAC Tank ID: A Volume: 95.0 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

Alternative Method:

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

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			
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			
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. Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	office for		
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. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate 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.			
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). - 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. (Applies to temporary, emergency, or cavitation pits and below-grade tanks) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	Yes No		
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applies to permanent pits) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	Yes No		
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock 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	Yes No		
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	Yes No		
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) 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; USGS; NM Geological Society; Topographic map	Yes No		
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 19.15.17.12 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: or Permit Number:
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: 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 Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Climatological Factors Assessment Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC Quality Control/Quality Assurance Construction and Installation Plan Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Nuisance or Hazardous Odors, including 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 G of 19.15.17.13 NMAC

Waste Removal Closure For Closed-loop Systems That Utilize Above Ground S Instructions: Please indentify the facility or facilities for the disposal of liquids, diffacilities are required.				
	Disposal Facility Permit Number:			
	Disposal Facility Permit Number:			
Will any of the proposed closed-loop system operations and associated activities occur on or in areas that <i>will not</i> be used for future service and operations? Yes (If yes, please provide the information below) No				
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 H of 19.15.17.13 NMAC Re-vegetation Plan - 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				
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 may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.				
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 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				
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other sign lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	ficant watercourse or lakebed, sinkhole, or playa	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 private, domestic fresh water well or spring that less watering purposes, or within 1000 horizontal feet of any other fresh water well or sp. NM Office of the State Engineer - iWATERS database; Visual inspection (c	ring, in existence at the time of initial application.	Yes No		
Within incorporated municipal boundaries or within a defined municipal fresh water adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval		Yes No		
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual	inspection (certification) of the proposed site	☐ Yes ☐ No		
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining a	and Mineral Division	Yes No		
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology Society; Topographic map	& Mineral Resources; 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 be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17.11 NMAC Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.13 NMAC 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 Waste Material Sampling Plan - 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 or in case on-site closure standards cannot be achieved) Soil Cover Design - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC				

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19. 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: 12412019 Title: 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: 11/19/2018			
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 Permit Number: Were the closed-loop system operations and associated activities performed on or in areas that will not be used for future service and operations? Yes (If yes, please demonstrate compliance to the items below) 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: Date: 1/14/2019			
e-mail address: steven.moskal@bpx.com Telephone: 505-330-9179			

22.			
Operator Closure Certification:			
I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.			
Name (Print):	Title:		
Signature:	Date:		
e-mail address:	Telephone:		

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

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-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	778		
Contact Name Steve Moskal				Contact To	elephone (505) 330-9179
Contact email Steven.Moskal@bpx.com			com	Incident #	(assigned by OCD)
Contact mail	ing address	380 North Air	port Road, Durai	ngo, CO 813	303
Location of Release Source					
Latitude					
Site Name GELBKE COM 001				Site Type	Natural Gas Well
Date Release	Discovered			API# (if app	plicable) 30-045-20157
Unit Letter	Section	Township	Range	Cour	nty
L	11	31N	11W	San J	
Nature and Volume of Release Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)					
Crude Oil		Volume Release			Volume Recovered (bbls)
Produced	Water	Volume Released (bbls)			Volume Recovered (bbls)
		Is the concentration of dissolved chloride in the produced water >10,000 mg/l?		ide in the	Yes No
Condensa	ite	Volume Released (bbls)			Volume Recovered (bbls)
☐ Natural G	ias	Volume Released (Mcf)			Volume Recovered (Mcf)
Other (de	Other (describe) Volume/Weight Released (provide units)		ts)	Volume/Weight Recovered (provide units)	

Form C-141 Page 2

State of New Mexico Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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 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.	
☐ The impacted area has	s been secured to protect human health and	the environment.
Released materials ha	we been contained via the use of berms or d	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	mediation immediately after discovery of a release. If remediation fforts have been successfully completed or if the release occurred ease 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:		Date:
email: Steven.Mos	kal@bpx.com	Telephone: (505) 330-9179
OCD Only		
Received by:		Date:

BP AMERICA PRODUCTION COMPANY

SAN JUAN BASIN, NORTHWEST NEW MEXICO

BELOW-GRADE TANK CLOSURE PLAN

Gelbke Com # 1 - Tank ID: A

API #: 3004520157

Unit Letter L, Section 11, T31N, R11W

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.
- 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/or sludge within the BGT were removed and sent to one of the above NMOCD approved facilities for disposal.

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.

Closure report on C-144 form is included & contains a photo of the 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.

From: Farrah Buckley

Sent: Thursday, November 8, 2018 1:54:28 PM

To: Smith, Cory, EMNRD; Fields, Vanessa, EMNRD (Vanessa.Fields@state.nm.us)

Cc: jeffcblagg@aol.com; blagg_njv@yahoo.com; Steven.Moskal@BPX.COM; Matthew Baca

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

November 8, 2018

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

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

GELBKE COM 001 API 30-045-20157 (L) Section 11 – T31N – 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 that will no longer be operational at this well site. We anticipate this work to start on or around November 15, 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

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

CLIENT: BP		NGINEERING, INC.	440	API#: 3004520157			
CLIENT:		BLOOMFIELD, NM 874 05) 632-1199	413	TANK ID (if applicble):			
FIELD REPORT:	(circle one): BGT CONFIRMATION	/ RELEASE INVESTIGATION / OTHER:		PAGE #:1 of	1_1_		
SITE INFORMATIO	V: SITE NAME: GELBA	E COM #1		DATE STARTED: 11/1	5/18		
QUAD/UNIT: L SEC: 11 TW	: 31N RNG: 11W PM	: NM CNTY: SJ ST:	NM	DATE FINISHED:			
1/4 -1/4/FOOTAGE: 1,710'S / 1		TYPE: FEDERAL STATE / FEE / KELLEY O.F.S.	INDIAN	ENVIRONMENTAL SPECIALIST(S):	IV		
LEASE #: SF078040		CONTRACTOR: BP - M. BACA	AT 4444				
REFERENCE POIN		s coord.: 36.91066 X 1					
		910722 X 107.964476		RING FROM W.H.: 95', N			
2)							
,							
			DISTANCE/BEA	RING FROM W.H.:	T OVM		
SAMPLING DATA:					READING (ppm)		
		5/18 SAMPLE TIME: 1335 LAB ANAL			NA		
		SAMPLE TIME: LAB ANAL' SAMPLE TIME: LAB ANAL'					
		SAMPLE TIME: LAB ANAL					
5) SAMPLE ID:	SAMPLE DATE:	SAMPLE TIME: LAB ANAL	YSIS:				
SOIL DESCRIPTIO	SOIL TYPE: SAND SILTY SAND	SILT / SILTY CLAY / CLAY / GRAVEL OTH	ER BEDRO	CK (SANDSTONE)			
SOIL COLOR: PALE Y		PLASTICITY (CLAYS): NON PLASTIC / SLIGH			LY PLASTIC		
COHESION (ALL OTHERS): NON COHESIVE SLIGI							
CONSISTENCY (NON COHESIVE SOILS): MOISTURE: DRY / SLIGHTLY MOIST MOIST		HC ODOR DETECTED: YES NO EXPLAN	IATION -				
SAMPLE TYPE: GRAB COMPOSITE		ANY AREAS DISPLAYING WETNESS: YES	NO EXPLAN	VATION -			
DISCOLORATION/STAINING OBSERVED: YES	NO EXPLANATION -		Requirement				
SITE OBSERVATIO	NS: LOST INTEGRITY OF EQUIPMEN	T: YES NO EXPLANATION -					
APPARENT EVIDENCE OF A RELEASE OBSER		LANATION:					
EQUIPMENT SET OVER RECLAIMED ARE/ OTHER: NMOCD OR BLM REPS. NOT		TION SAMPLING. GAS WELL IS PL	UGGED & A	BANDONED (P&A), BGT B	ОТТОМ		
ESSENTIALLY ON BEDROCK - COM	PETENT, SLIGHTLY FRIABLE. BO	GT - 15 FT. DIAMETER SHALLOW PRO	OFILE.				
EXCAVATION DIMENSION ESTIMATION		Management of the second of th		TIMATION (Cubic Yards) :	NA		
DEPTH TO GROUNDWATER: > 100'		00' NEAREST SURFACE WATER: 300' <	x < 1,000' i	NMOCD TPH CLOSURE STD: 2	,500_ppm		
SITE SKETCH	BGT Located: off on si	te PLOT PLAN circle: at	tached	CALIB. READ. = NA ppr	m RF=1.00		
				CALIB. GAS = NA ppr			
	PBGTL		N TIME	: NA am/pm DATE:	NA		
	T.B. ~6' B.G.		'	MISCELL. NOT	TES		
		NCE	Р	o#: 4301004787			
	(x ^ x)		R	EF #:			
			-	1D:			
		BERM	P	J#:			
ТО	PROD. TANK	DERWI	_	ermit date(s): 06/02			
P&A MARKER	IANK			CD Appr. date(s): 06/22 nk OVM = Organic Vapor Met			
			II.				
		V .	-	BGT Sidewalls Visible: Y /			
NOTES, DOT - DELOW ODADE TANK E.D EVOAN	TION DEDDECCION DO - DELONODADE D	X - S		BGT Sidewalls Visible: Y /			
	ELOW-GRADE TANK LOCATION; SPD = SAMPLE	POINT DESIGNATION; R.W. = RETAINING WALL; NA		Magnetic declination: 10			
	GLE WALL; DW - DOUBLE WALL; SB - SINGLE BC		110				
NOTES: GOOGLE EARTH IMA	DERT DATE: 3/15/2015.	ONSITE: 11/15/18					

rev

Analytical Report

Lab Order 1811873

Date Reported: 11/19/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: 5PC-TB @ 6' (95)

Project: GELBKE Com 1

Collection Date: 11/15/2018 1:35:00 PM

Lab ID: 1811873-001

Matrix: MEOH (SOIL) Received Date: 11/16/2018 7:50:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed Batch
EPA METHOD 300.0: ANIONS					Analyst: MRA
Chloride	ND	30	mg/Kg	20	11/16/2018 12:49:25 PM 41591
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				Analyst: Irm
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	11/16/2018 10:18:23 AM 41576
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	11/16/2018 10:18:23 AM 41576
Surr: DNOP	99.5	50.6-138	%Rec	1	11/16/2018 10:18:23 AM 41576
EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	6.4	mg/Kg	1	11/16/2018 10:44:22 AM 41574
Surr: BFB	97.8	73.8-119	%Rec	1	11/16/2018 10:44:22 AM 41574
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.032	mg/Kg	1	11/16/2018 10:44:22 AM 41574
Toluene	ND	0.064	mg/Kg	1	11/16/2018 10:44:22 AM 41574
Ethylbenzene	ND	0.064	mg/Kg	1	11/16/2018 10:44:22 AM 41574
Xylenes, Total	ND	0.13	mg/Kg	1	11/16/2018 10:44:22 AM 41574
Surr: 4-Bromofluorobenzene	110	80-120	%Rec	1	11/16/2018 10:44:22 AM 41574

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

- 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

Chain-of-Custody Record			Turn-ground	Time.	Tame	vientiment veige						, <u>,</u>						10. H			
Client:	BLAC	E &	JER BP AMERICA	M Standard	Rush	DAY	and the same of th												NTA		,
						1	and a second				www.	/.hall	lenvi	ironr	ment	al.co	om				
Mailing	Address	P.O.	80x 87	GELL	BKE COL	m# (4901 Hawkins NE - Albuquerque, NM 87109													
			Nm 87413	Project #:			Tel. 505-345-3975 Fax 505-345-4107														
Phone #			320-3489					Live B.				AND DESCRIPTION OF THE PERSON NAMED IN	naly	sis	Req	uest	*		7	7.19	
email or				Project Mana	iger:			oty)	(0)					04)						BRIDGE HOUSE	
QA/QC Package: Standard					OZKUL.	(8021)	TPH (Gas only)	O / MF	and the second s		SIMS)		O4,SC	PCB's			0.00		出		
Accreditation			Sampler: N	GOC 3	VELEZ n	T) Hc	DR	£		0.8	and the same of	0,	082			(3		N		
□ NELAP □ Other		On Ice: X Yes No				+	30/	18.1	04	827		N. C	8/8		F	M		odwo	Or N		
□ EDD				Sample Tem	perature: 4.	7] #	BE	(G)	od 4	od 5	0 01	Stals	N.	ides	A)	9	30		0	2
		Matrix		Type and #	Preservative Type	1811873	BTEX	BTEX + MTBE	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.	EDB (Method 504.1)	PAH's (831	RCRA 8 Me	Anions (F,C	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	CHLORIDE		3 M.C	Bubbles
"(15/18	7535	SOIL	5PC-TB @ 6'(95)	4021	COOL	-601	Y		✓ 									✓ 		1	
									Tricker to			and Agent and Ag									
							and the second s														
Page / B	Time:	Relinquish	Mulf	Received by:	Wat	Pate Time		marki	F	TOR	8	BIL	01	RE	- (-	アード	7.0,	NQ	ZUIA	- E	
TIS	184U	Relinquish	ed by V	Received by	6 COURT	1/16/18		CON	170	et	•	SIF	503	= 1	JO.	5(4)	ac/	MA	THE	,	ð

Hall Environmental Analysis Laboratory, Inc.

WO#:

1811873 19-Nov-18

Client:

Blagg Engineering

Project:

GELBKE Com 1

Sample ID MB-41591

SampType: MBLK

TestCode: EPA Method 300.0: Anions

Client ID:

PBS

Batch ID: 41591

RunNo: 55707

Prep Date: 11/16/2018 Analysis Date: 11/16/2018

Units: mg/Kg

15

Result PQL SeqNo: 1857442

HighLimit

%RPD

%RPD

RPDLimit Qual

Analyte Chloride

ND 1.5

Sample ID LCS-41591

SampType: LCS

TestCode: EPA Method 300.0: Anions

Client ID: LCSS

Batch ID: 41591

RunNo: 55707

SeqNo: 1857443

Units: mg/Kg

Analyte

11/16/2018

Analysis Date: 11/16/2018

%REC LowLimit HighLimit

RPDLimit Qual

PQL SPK value SPK Ref Val

99.7

110

Chloride

Prep Date:

1.5

15.00

0

SPK value SPK Ref Val %REC LowLimit

90

- 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
- Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits
- P Sample pH Not In Range
- Reporting Detection Limit
- Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1811873

19-Nov-18

Client:

Blagg Engineering

Project:

GELBKE Com 1

Sample ID MB-41576	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 4	41576	F	RunNo: 55	694				
Prep Date: 11/16/2018	Analysis Date:	11/16/2018	8	SeqNo: 18	55696	Units: mg/K	g		
Analyte	Result PQI	L 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	50							
Surr: DNOP	9.3	10.00		92.8	50.6	138			
Sample ID LCS-41576	SampType: I	LCS	Tes	Code: EP	A Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch ID: 4	41576	F	RunNo: 55	694				
Prep Date: 11/16/2018	Analysis Date:	11/16/2018	S	SeqNo: 18	56499	Units: mg/K	g		
Analyte	Result PQI	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43 1	0 50.00	0	86.9	70	130			
Surr: DNOP	4.4	5.000		88.3	50.6	138			
Sample ID 1811873-001AMS	SampType: I	MS	Tes	tCode: EP	A Method	8015M/D: Die	esel Range	e Organics	
Client ID: 5PC-TB @ 6' (95)	Batch ID: 4	41576	F	RunNo: 55	694				
Prep Date: 11/16/2018	Analysis Date:	11/16/2018	8	SeqNo: 18	57261	Units: mg/K	g		
Analyte	Result PQI	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44 9	.9 49.41	0	90.0	53.5	126			
Surr: DNOP	4.8	4.941		97.1	50.6	138			

Sample ID	1811873-001AMSE) SampT	/pe: MS	D	Test	Code: El	PA Method	8015M/D: Die	esel Range	Organics	
Client ID:	5PC-TB @ 6' (95)	Batch	ID: 41	576	R	unNo: 5	5694				
Prep Date:	11/16/2018	Analysis D	ate: 11	/16/2018	S	eqNo: 1	857262	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range C	Organics (DRO)	45	9.8	49.12	0	92.6	53.5	126	2.24	21.7	
Surr: DNOP		4.8		4.912		98.3	50.6	138	0	0	

- 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

Hall Environmental Analysis Laboratory, Inc.

WO#:

1811873

19-Nov-18

Client:

Blagg Engineering

Project:

GELBKE Com 1

Sample ID	LCS-41574
Client ID:	LCSS

SampType: LCS

TestCode: EPA Method 8015D: Gasoline Range

LowLimit

Batch ID: 41574

RunNo: 55685

Prep Date: 11/15/2018 Analysis Date: 11/16/2018

107

%REC

Units: mg/Kg

Result PQL SPK value SPK Ref Val

5.0

SeqNo: 1855553

Analyte Gasoline Range Organics (GRO) Surr: BFB

1100

27

112

%RPD **RPDLimit** Qual HighLimit

123 80.1 73.8 119

Sample ID MB-41574 Client ID: PBS

SampType: MBLK

RunNo: 55685

TestCode: EPA Method 8015D: Gasoline Range

Prep Date: 11/15/2018

Batch ID: 41574 Analysis Date: 11/16/2018

SeqNo: 1856063

0

Units: mg/Kg

%RPD

Analyte

PQL Result

SPK value SPK Ref Val %REC LowLimit HighLimit

RPDLimit

Qual

Gasoline Range Organics (GRO)

ND 5.0

1000

25.00

1000

98.4

73.8

119

Surr: BFB

980

- 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
- Analyte detected below quantitation limits J
- P Sample pH Not In Range
- Reporting Detection Limit
- Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1811873

19-Nov-18

Client:

Blagg Engineering

Project:

GELBKE Com 1

Sample ID LCS-41574	Samp	ype: LC	s	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batcl	n ID: 41	574	F	RunNo: 5	5685				
Prep Date: 11/15/2018	Analysis [)ate: 1 1	1/16/2018	8	SeqNo: 1	855669	Units: mg/F	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	89.2	80	120			
Toluene	0.94	0.050	1.000	0	93.8	80	120			
Ethylbenzene	0.94	0.050	1.000	0	94.2	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.2	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		114	80	120			
Sample ID MB-41574	Samp1	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batch	n ID: 41	574	F	RunNo: 5	5685				
Prep Date: 11/15/2018	Analysis [ate: 1 1	1/16/2018	S	SeqNo: 1	856064	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		111	80	120			
Sample ID 1811873-001A MS	Samp1	ype: MS	3	Tes	Code: El	PA Method	8021B: Vola	tiles		
Client ID: 5PC-TB @ 6' (95)	Batch	n ID: 41	574	F	RunNo: 5	5685				
Prep Date:	Analysis D	ate: 11	1/16/2018	S	SeqNo: 1	856897	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.2	0.032	1.289	0	94.6	68.5	133			
Toluene	1.3	0.064	1.289	0	97.0	75	130			
Ethylbenzene	1.3	0.064	1.289	0	98.1	79.4	128			
Xylenes, Total	3.8	0.13	3.866	0	99.2	77.3	131			
Surr: 4-Bromofluorobenzene	1.5		1.289		116	80	120			

Sample ID 1811873-001A MS	D SampT	ype: MS	SD	TestCode: EPA Method 8021B: Volatiles								
Client ID: 5PC-TB @ 6' (95)	Batch	ID: 41	574	F	RunNo: 5							
Prep Date:	Analysis D	ate: 11	1/16/2018	8	SeqNo: 1	856898	Units: mg/h	(g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	1.2	0.032	1.289	0	92.0	68.5	133	2.68	20			
Toluene	1.2	0.064	1.289	0	95.9	75	130	1.19	20			
Ethylbenzene	1.2	0.064	1.289	0	95.3	79.4	128	2.83	20			
Xylenes, Total	3.8	0.13	3.866	0	97.5	77.3	131	1.72	20			
Surr: 4-Bromofluorobenzene	1.5		1.289		119	80	120	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



Hall Environmental Analysis Laboratory 4901 Hawkins NE 41buquergue, NM 87109 FEL 505-345-3975 FAX 805-345-4107

Website was halfens roumental com

Sample Log-In Check List

Client Name. BLAGG	Work Order Number.	1811	873		Rcpt	No: 1
Received By: Erin Molendrez	11/16/2018 7:50:00 AM			W. W.		
Completed By. Erin Metendrez	11/16/2018 7:57:34 AM			una	6	
Reviewed By:	1/16/18					
1.0: -						
Chain of Custody						
1. is Chain of Custody complete?		Yes	V	No	Not Present	
2. How was the sample delivered?		Cour	101			
		e-Prodhodini	otoffato.			
Log In			1724	A		
Was an attempt made to cool the samples?		Yes	V	No	NA L	_
Were all samples received at a temperature	ot >0° C to 6.0°C	Yes	~	No _	NA	
The same and provide a same and a same a	01 0 0 0 0 0	1 6.5	(3-3			
Sample(s) in proper container(s)?		Yes	~	No [
6 Sufficient sample volume for indicated test(s	12	Vas	4	No 🗔		
Sufficient sample volume for indicated resits Are samples (except VOA and ONG) propert		Yes	Process of	No 🗔		
	,	Yes		No V		4
Was preservative added to bettles?		Yes	L_!	NO IE	NA L	J
9 VOA vials have zero headspace?		Yes		No 🗌	No VOA Vials	P.
1() Were any sample containers received broke	n?	Yes		No V	No.	119
					# of preserved bottles checked	110/19
11. Does paperwork match bottle labels?		Yes	V	No [for pH:	114
(Note discrepancies on chain of custody)			# F 75	-	Set Action (2 by 12 unless noted;
12. Are matrices correctly identified on Chain of		Yes	77721	No _	Maldanack	
13. Is it clear what analyses were requested?		Yes		No L	Checked by	
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes	4	No	Checked by	r.
Special Handling (if applicable)			-7		T (2
15. Was client notified of all discrepancies with	This order?	Yes	1	No !	NA 8	
Person Notified:	Date:				-	
By Whom	Via.	eM	ail	Phone F	ax In Person	
Regarding:			warming recitor			
Client Instructions:						
16 Additional remarks						
17 Cooler Information						
1 1	eal Intact Seal No S	eal D	ale	Signed By		
1 4.7 Good Ye	S					



