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-144 Revised April 3, 2017

For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office.

For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Proposed Alternative Method Permit or Closure Plan Application	NMOCD
Type of action: Below grade tank registration Permit of a pit or proposed alternative method Closure of a pit, below-grade tank, or proposed alternative method Modification to an existing permit/or registration Closure plan only submitted for an existing permitted or non-permitted pit, belo or proposed alternative method	MAY 2 2 2018 DISTRICT 111 ow-grade tank,
Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternative Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules	ground water or the
Operator: BP America Production Company Address: 200 Energy Court, Farmington, NM 87401 Facility or well name: GCU # 343	
API Number: 3004526105 OCD Permit Number:	
U/L or Qtr/Qtr A Section 26 Township 28N Range 12W County: San Juan	
Center of Proposed Design: Latitude 36.63794 Longitude -108.07724 NA	AD83
Surface Owner: ■ Federal □ State □ Private □ Tribal Trust or Indian Allotment	
Pit: Subsection F, G or J of 19.15.17.11 NMAC	
Below-grade tank: Subsection I of 19.15.17.11 NMAC Volume: 45	
4. Alternative Method: Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for constant.	sideration 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, sinstitution or church) Four foot height, four strands of barbed wire evenly spaced between one and four feet Alternate. Please specify	school, hospital,

`	
Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks) Screen Netting Other	
☐ Monthly inspections (If netting or screening is not physically feasible)	
Signs: Subsection C of 19.15.17.11 NMAC 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers Signed in compliance with 19.15.16.8 NMAC	
 8. Variances and Exceptions: Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance. Please check a box if one or more of the following is requested, if not leave blank: □ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval. □ Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. 	
9. Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptate are provided below. Siting criteria does not apply to drying pads or above-grade tanks.	ptable source
General siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank. - □ NM Office of the State Engineer - iWATERS database search; □ USGS; □ Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. (Does not apply to below grade tanks) - Written confirmation or verification from the municipality; Written approval obtained from the municipality	Yes No
Within the area overlying a subsurface mine. (Does not apply to below grade tanks) - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
 Within an unstable area. (Does not apply to below grade tanks) Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 	☐ Yes ☐ No
Within a 100-year floodplain. (Does not apply to below grade tanks) - FEMA map	Yes No
Below Grade Tanks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application.	☐ Yes ☐ No
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

Within 100 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit Non-low chloride drilling fluid	
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet of a wetland US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Permanent Pit or Multi-Well Fluid Management Pit	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 Natructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the docattached. 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 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. and 19.15.17.13 NMAC Previously Approved Design (attach copy of design) API Number: or Permit Number:	NMAC 15.17.9 NMAC
11. Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC	
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the docattached. Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC A List of wells with approved application for permit to drill associated with the pit. Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19 and 19.15.17.13 NMAC Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Previously Approved Design (attach copy of design) API Number:	.15.17.9 NMAC

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Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the attached. Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Climatological Factors Assessment Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC 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	documents are
Proposed Closure: 19.15.17.13 NMAC	
Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan. Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Multi-well Fallernative 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	luid Management Pit
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be closure plan. Please indicate, by a check mark in the box, that the documents are attached. □ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC □ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC □ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) □ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC □ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	
15.	
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable sour provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. In 19.15.17.10 NMAC for guidance.	
Ground water is less than 25 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	

 adopted pursuant to NMSA 1978, Section 3-27-3, as amended. Written confirmation or verification from the municipality; Written approval obtained from the municipality 	☐ Yes ☐ No
Within the area overlying a subsurface mine Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No
Within a 100-year floodplain FEMA map	Yes No
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17. Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19. Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	11 NMAC 15.17.11 NMAC
17. Operator Application Certification:	C
I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and beli	
Name (Print): Title:	
Signatura	
Signature: Date:	
e-mail address:	
e-mail address:	
e-mail address: Telephone:	
e-mail address:	the closure report.
e-mail address:	the closure report.

22. Operator Closure Certification:	
I hereby certify that the information and attachments submitted with	th this closure report is true, accurate and complete to the best of my knowledge and closure requirements and conditions specified in the approved closure plan.
Name (Print): Erin Garifalos	Title: Field Environmental Coordinator
Signature: Vin garifalos	Date: May 17, 2018
e-mail address: erin.garifalos@bp.com	Telephone: (832) 609-7048

BP AMERICA PRODUCTION COMPANY

SAN JUAN BASIN, NORTHWEST NEW MEXICO

BELOW-GRADE TANK CLOSURE PLAN

GCU # 343

API No. 3004526105

Unit Letter A Section 26 T 28N R 12W

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

General Closure Plan

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

Notice is attached.

2. BP shall notify the division District III office verbally or by other means at least 72 hours, but not more than one (1) week, prior to any closure operation. The notice shall include the operator's name, and the location to be closed by unit letter, section, township and range. If the BGT closure is associated with a particular well, then the notice shall also include the well's name, number and API number.

Notice was provided and is attached.

- 3. BP shall remove liquids and sludge from the BGT prior to implementing a closure method and dispose of the liquids and sludge in a NMOCD's division-approved facility. The facilities to be used are:
 - a. BP Crouch Mesa Landfarm, Permit NM-02-003 (Solids)
 - b. JFJ Landfarm, Permit NM-01-010(B) (Solids and Sludge)
 - c. Basin Disposal, Permit NM-01-0005 (Liquids)
 - d. Envirotech Inc Soil Remediation Facility, Permit NM-01-0011 (Solids and Sludge)
 - e. BP Operated E.E. Elliott SWD #1, API 30-045-27799 (Liquids)

- f. BP Operated 13 GCU SWD #1, API 30-045-28601 (Liquids)
- g. BP Operated GCU 259 SWD, API 30-045-20006 (Liquids)
- h. BP Operated GCU 306 SWD, API 30-045-24286 (Liquids)
- i. BP Operated GCU 307 SWD, API 30-045-24248 (Liquids)
- j. BP Operated GCU 328 SWD, API 30-045-24735 (Liquids)
- k. BP Operated Pritchard SWD #1, API 30-045-28351 (Liquids)

All liquids and sludge in the BGT were removed and sent to one of the above NMOCD approved facilities for disposal.

4. BP shall remove the BGT and dispose of it in a NMOCD approved facility or recycle, reuse, or reclaim it in a manner that the NMOCD approves. If a liner is present and must be disposed of it will be cleaned by scraping any soils or other attached materials on the liner to a de minimus amount and disposed at a permitted solid waste facility, pursuant to Subparagraph (m) of Paragraph (1) of Subsection C of 19.15.35.8 NMAC. Documentation as to the final disposition of the removed BGT will be provided in the final closure report.

The BGT was transported for recycling.

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

All equipment associated with the BGT has been removed.

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

Constituents	Testing Method	Release Verification	Sample
	45 bbl BGT	(mg/Kg)	results
Benzene	US EPA Method SW-846 8021B or 8260B	10	< 0.017
Total BTEX	US EPA Method SW-846 8021B or 8260B	50	< 0.068
TPH	US EPA Method SW-846 418.1 or 8015 extended	100	<47
Chlorides	US EPA Method 300.0 or 4500B	620	< 30

Notes: mg/Kg = milligram per kilogram, BTEX = benzene, toluene, ethylbenzene, and total xylenes, TPH = total petroleum hydrocarbons. Other EPA methods that the division approves may be applied to all constituents listed. Chloride closure standards will be determined by which ever concentration level is greatest.

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

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

9. If the sampling demonstrates that a release has not occurred or that any release does not exceed the concentrations specified above, then BP shall backfill the excavation, with compacted, non-waste containing, earthen material; construct a division-prescribed soil cover, re-contour and re-vegetate the location. The location will be reclaimed if it is not with in the active process area

Sampling results indicate a release has not occurred. Attached is a laboratory report and field report. The location been reclaimed as the well has been plugged and abandoned.

10. BP shall reclaim the BGT location and all areas associated with the BGT including associated access roads to a safe and stable condition that blends with the surrounding undisturbed area. BP shall substantially restore the impacted surface area to the condition that existed prior to oil and gas operations by placement of the soil cover as provided in Subsection H of 19.15.17.13 NMAC, re-contour the location and associated areas to a contour that approximates the original contour and blends with the surrounding topography and re-vegetate according to Subsection I of 19.15.17.13 NMAC.

The gas well has been plugged & abandoned, BGT location's surface condition is clear.

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 gas well has been plugged & abandoned, BGT location's surface condition is clear.

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 gas well has been plugged & abandoned, BGT location's surface condition is clear.

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 gas well has been plugged & abandoned, BGT location's surface condition is clear.

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

The gas well has been plugged & abandoned, BGT location's surface condition is clear.

- 15. Within 60 days of closure completion, BP shall submit a closure report on NMOCD's form C-144, and will include the following;
 - a. proof of closure notification (surface owner and NMOCD)
 - b. sampling analytical reports; information required by 19.15.17 NMAC;
 - c. disposal facility name and permit number
 - d. details on back-filling, capping, covering, and where applicable re-vegetation application rates and seeding techniques and
 - e. site reclamation, photo documentation.

Closure report on C-144 form is included including photos of reclamation completion.

16. BP shall certify that all information in the report and attachments is accurate, truthful, and compliant with all applicable closure requirements and conditions specified in the approved closure plan.

Certification section of C-144 has been completed.

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

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

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

Form C-141 Revised April 3, 2017

			Rele	ease Notific	catior	and Co	orrective A	ction	1					
						OPERA	ΓOR		Initia	al Report		Final Repor		
				tion Company	У	Contact Erin Garifalos								
			ırmingto	on, NM 87401		Telephone No. (832) 609-7048 Facility Type: Natural Gas Well								
Facility Na	me GCU #	# 343					e: Naturai Ga	as VVE						
Surface Ow	ner: Fed	eral		Mineral O)wner:	Federal			API No	.300452	26105	5		
						N OF RE	LEASE							
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the		West Line	County		1		
Α	26	28N	12W	930	Nor	th	1,050	Eas	st	5	san	ı Juan		
			Latitud	36.63794	L	ongitude1	08.07724	NAD	83					
				NAT		OF REL	EASE							
Type of Rele	ase:: none	9					Release:: unkno			Recovered::				
Source of Re	lease: belc	ow grade tai	nk - 45	ldd		Date and H	Hour of Occurrence	e:	Date and I	Hour of Dis	scovery:	:		
Was Immedi		Given?				If YES, To	Whom?		11/4					
			Yes 🗸	No Not Re	equired									
By Whom? Was a Water	roourse Rea	ched?				Date and H	Hour olume Impacting t	the Wat	oroource.					
was a water	course reac		Yes 🗸	No		II ILS, ve	Hume impacting t	Ile wai	ercourse.					
If a Waterco	urse was Im	npacted, Descri	ibe Fully.*	ș.										
	25 11													
Describe Cau	ise of Proble	lem and Remed	dial Action	Taken.* Samr	oling c	of the soil	beneath the	BGT	was do	ne durir	na ren	noval.		
				· ·			ed for Chlorid				_			
					-		Field reports							
Describe Are	ea Affected	and Cleanup A	Action Tak	cen.*										
				No action		-	inal laborato	ory ar	nalysis d	letermin	ned no	0		
				remedial	actio	n is requ	ired.							
				is true and completed is true and completed is true and complete is true										
public health	or the envir	ronment. The	acceptance	ce of a C-141 repo	ort by the	e NMOCD ma	arked as "Final Re	eport"	does not relie	eve the ope	erator of	fliability		
should their o	operations h	nave failed to a	adequately	investigate and re	emediate	e contaminati	on that pose a three	eat to gr	round water,	, surface wa	ater, hur	man health		
		addition, NMO ws and/or regu		tance of a C-141 r	report ac	ses not reliev	e the operator of i	respons	ibility for co	ompliance v	with any	other		
,							OIL CONS	SERV	ATION	DIVISIO	ON			
· ·	oun a	Wilsalo	24											
						Approved by	Environmental Sp	necialis	t:					
Printed Name	e: Erin G	Garifalos				Pr		P						
Title: Field	d Enviro	onmenta	ıl Cooı	rdinator		Approval Dat	te:		Expiration I	Date:				
E-mail Addre	ess: erin.	garifalos	@bp.(com	(Conditions of Approval:					Attached			
Data: May	17 2018	1	Dhonor	(832) 609-70	248					Attacheu	, []			
Date: May 17, 2018 Phone: (832) 609-7048 Attach Additional Sheets If Necessary														

bp



BP America Production Company 380 Airport Rd Durango, CO 81303

Phone: (970) 247 6800

March 9, 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: GALLEGOS CANYON UNIT 343

API#: 3004526105

Dear Mrs. Thomas.

As part of the NM "Pit Rule": 19.15.17.13 Closure Requirements, Paragraph J. BP America Production Company (BP) is required to notify the surface owner of BP's plans to close/remove a below grade tank. BP wishes to inform you of our plans to close/remove the below grade tank on its well pad located on your surface. BP plans to commence this work on or about March 15, 2018. If there aren't any unforeseen problems, the work should be completed within 10 working days.

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

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

Sincerely,

Erin Garifalos

BP America Production Company

From: Buckley, Farrah (CH2M HILL)

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

Cc: jeffcblagg@aol.com; blagg_njv@yahoo.com; Garifalos, Erin; Beebe, Sabre; Moskal, Steven

Subject: BP Pit Close Notification - GALLEGOS CANYON UNIT 343

Date: Friday, March 09, 2018 11:51:45 AM

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

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

March 9, 2018

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

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

GALLEGOS CANYON UNIT 343 API 30-045-26105 (A) Section 26 – T28N – R12W 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 45bbl BGT that will no longer be operational at this well site. We anticipate this work to start on or around March 15, 2018.

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

Sincerely,

Erin Garifalos

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

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

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CLIENT: BP	BLAGG E P.O. BOX 87, B (50	API #: 30045 TANK ID (if applicble):	26105 A		
FIELD REPORT:	(circle one): BGT CONFIRMATION	/ RELEASE INVESTIGATION /	OTHER:	PAGE #: 1	of 1
SITE INFORMATION	J: SITE NAME: GCU #	343		DATE STARTED: 0	3/15/18
QUAD/UNIT: A SEC: 26 TWP:			ST: NM	DATE FINISHED:	
1/4 -1/4/FOOTAGE: 930'N / 1,05		TYPE: FEDERAL STATE			
		KELLEY CONTRACTOR: BP - S. B	OFS	ENVIRONMENTAL SPECIALIST(S):	NJV
REFERENCE POINT	T: WELL HEAD (W.H.) GPS	s coord.: 36.637	95 X 108.07558	GL ELEV.:	5,806'
1) 45 BGT (DW/DB)	GPS COORD.: 36	6.63794 X 108.07724	DISTANCE/BEA	RING FROM W.H.:486',	S89.5W
2)	GPS COORD.:		DISTANCE/BEA	RING FROM W.H.:	
3)	GPS COORD.:		DISTANCE/BEA	RING FROM W.H.:	
4)	GPS COORD.:		DISTANCE/BEA	RING FROM W.H.:	
SAMPLING DATA:	CHAIN OF CUSTODY RECORD(S) # 0				OVM READING
1) SAMPLE ID: 5PC - TB @ 5'				15B/8021B/300.0 (CI)	(ppm)
2) SAMPLE ID:	•		LAB ANALYSIS:	102/002/12/000/0 (0.)	1177
3) SAMPLE ID:			LAB ANALYSIS:		
4) SAMPLE ID:	SAMPLE DATE:	SAMPLE TIME:	LAB ANALYSIS:		
5) SAMPLE ID:	SAMPLE DATE:	SAMPLE TIME:	LAB ANALYSIS:		
SOIL DESCRIPTION	SOIL TYPE: SAND SILTY SAND	SILT / SILTY CLAY / CLAY / GRAV	/EL / OTHER		
SOIL COLOR: OLIVE GRA	Y (DARKER SHADE)	PLASTICITY (CLAYS): NON PLAST	TIC / SLIGHTLY PLASTIC / C	OHESIVE / MEDIUM PLASTIC / I	HIGHLY PLASTIC
COHESION (ALL OTHERS): NON COHESIVE SLIGHTL		1			
CONSISTENCY (NON COHESIVE SOILS): LO MOISTURE: DRY/SLIGHTLY MOIST MOIST / W		HC ODOR DETECTED: YES NO	EXPLANATION -		
SAMPLE TYPE: GRAB COMPOSITE - #		ANY AREAS DISPLAYING WETN	ESS. VES INO EVELA	NATION	
DISCOLORATION/STAINING OBSERVED: YES		ANT ANEAS DIST EATING WETN	ESS. TES [NO] EXTEN	WITON-	
SITE OBSERVATION	JS: LOST INTEGRITY OF EQUIPMENT	T: YES NO EXPLANATION -			
APPARENT EVIDENCE OF A RELEASE OBSERVE	ED AND/OR OCCURRED : YES NO EXP				
EQUIPMENT SET OVER RECLAIMED AREA:				TION 6 11 11 11 11 11 11 11 11 11 11 11 11 1	
OTHER: GAS WELL PLUGGED & ABANI	JONED (P&A). NMOCD OR BLM	REPS. NOT PRESENT TO	WITNESS CONFIRMA	TION SAMPLING.	
EXCAVATION DIMENSION ESTIMATION:	NA ft. X NA	ft. X NA ft.	EXCAVATION EST	TIMATION (Cubic Yards) :	NA
DEPTH TO GROUNDWATER: <50' N	EAREST WATER SOURCE: >1,000)' NEAREST SURFACE WATER	a: <1,000' NMOC	D TPH CLOSURE STD:	100 ppm
SITE SKETCH	BGT Located: off on sit	te PLOT PLAN ci	rcle: attached OVM	CALIB. READ. = NA	ppm RF =1 00
			A 0 viii	CALIB. GAS = NA	ppm RF = 1.00
			N		NA NA
			IN		
			то	MISCELL. NO	
FENCE		BGTL	P&A P	o: 430091712 2	
		3. ~ 5' M 3.G	-	FE #: X7-006RN-E	
			_	1900400076	572
				L#: 745277	MEMO
SEPARATOR ->	BERM				/15/16
52.7.10.101			Tar		/16/16 r Meter
	I			ppm = parts per million BGT Sidewalls Visible:	
				BGT Sidewalls Visible:	
			X - S.P.D.	BGT Sidewalls Visible:	
NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATION T.B. = TANK BOTTOM; PBGTL = PREVIOUS BEL					0.174 1074
	E WALL; DW - DOUBLE WALL; SB - SINGLE BOT	Control in the control of the contro	N VANLE, IVA-1401	lagnetic declination:	10 E
NOTES: GOOGLE EARTH IMAGE	ERY DATE: 3/15/2015.	ONSITE: 03/15	/18		

revised: 11/26/13 BEI1005E-6.SKF

Analytical Report

Lab Order 1803931

Date Reported: 3/19/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: 5PC TB @ 5' (45)

Project: GCU 343

Collection Date: 3/15/2018 8:25:00 AM

Lab ID: 1803931-001

Matrix: MEOH (SOIL) Received Date: 3/16/2018 8:00:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	30	mg/Kg	20	3/16/2018 12:09:13 PM	37065
EPA METHOD 8015D MOD: GASOLINE	RANGE				Analyst:	AG
Gasoline Range Organics (GRO)	ND	3.4	mg/Kg	1	3/16/2018 10:01:39 AM	G49857
Surr: BFB	122	70-130	%Rec	1	3/16/2018 10:01:39 AM	G49857
EPA METHOD 8015M/D: DIESEL RANGI	E ORGANICS	;			Analyst:	TOM
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	3/16/2018 9:46:59 AM	37062
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	3/16/2018 9:46:59 AM	37062
Surr: DNOP	87.9	70-130	%Rec	1	3/16/2018 9:46:59 AM	37062
EPA METHOD 8260B: VOLATILES SHO	RT LIST				Analyst:	AG
Benzene	ND	0.017	mg/Kg	1	3/16/2018 10:01:39 AM	S49857
Toluene	ND	0.034	mg/Kg	1	3/16/2018 10:01:39 AM	S49857
Ethylbenzene	ND	0.034	mg/Kg	1	3/16/2018 10:01:39 AM	S49857
Xylenes, Total	ND	0.068	mg/Kg	1	3/16/2018 10:01:39 AM	S49857
Surr: 4-Bromofluorobenzene	114	70-130	%Rec	1	3/16/2018 10:01:39 AM	S49857
Surr: Toluene-d8	99.0	70-130	%Rec	1	3/16/2018 10:01:39 AM	S49857

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

			tody Record	Turn-Around	Time:	SAME				ŀ	A	LL	E	NV	/IF	20	N	ИE	NT	AL	ý <u>.</u>
Client:	BLAG	G ENGR.	/ BP AMERICA	Standard Rush DAY						L	AN	AL	Y	SIS	S L	A	80	RA	TC	R	Y
	Project Name:							www.hallenvironmental.com													
Mailing Add	dress:	P.O. BO	X 87		GCU #34	3		49	01 F	ławk	kins	NE -	Alk	uqu	ierq	ue, N	1M 8	7109	į		
		BLOOM	FIELD, NM 87413	Project #:				Te	el. 50	05-3	45-3	975	. 1	Fax	505	-345	-410	7			
Phone #:		(505) 63	2-1199									1	Anal	ysis	Red	ques	st				
email or Fa	x#:			Project Manag	ger:					1				-				1)	T		
QA/QC Pack			Level 4 (Full Validation)		SABRE BEE	BE	Webs (8021B)	(Ajuo	/ MRO)			(5)		05,50	PCB's			er - 300.1)			0)
Accreditation				Sampler:	NELSON VE	LEZ 977	9 (80	Gas	RO /	1	1)	SIM		02,6	/ 8082			wat			mple
□ NELAP		□ Other		On ice:	X KYes	□ No	1	FP	/ DRO /	118.	504	3270		N'sC	8/8		(A)	0.00			e sa
□ EDD (Ty	/pe)			Sample Temp	erature:_9-().7(cf)=1.7	I	+	(GRC	po	po	or 8	tals	Z	cide	A	j-VC	11-30		9	OSIL
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX +-MTBE	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO	TPH (Method 418.1)	EDB (Method 504.1)	PAH (8310 or 82705IMS)	RCRA 8 Metals	Anions (F,Cl,NO3,NO2,PO4,SO4)	8081 Pesticides	8260B (VOA)	8270 (Semi-VOA)	Chloride (soil - 300.0 / water		Grab sample	5 pt. composite sample
3/15/18	0825	SOIL	SPC-TB@ 5 (45)	4 oz 1	Cool	001	٧		٧									٧			V
																			\top	\top	7
															\vdash				+	+	+
					 							_			\vdash			\dashv	+	+	+
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															-			-	+	+	+
				-	-		_			-	-		_	-	-	_		-	+	+	+
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3/15/18	ime: 1530	Relinquishe	the V	Received by:	Jack.	Date Time 3/15/18 1530	Rem	arks	13		NG IN		-	and a specimen	A LABOR DE LABOR.	BE FO	DRWA	RDED	ROM	BP. IF	NO
Date: T	ime: 1840	Relinquishe	nt Walter	Received by:	Couries ENH 3/16	Date Time 3/16/18															

OC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1803931

19-Mar-18

Client:

Blagg Engineering

Project:

GCU 343

Sample ID MB-37065

SampType: mblk

TestCode: EPA Method 300.0: Anions

Client ID:

PBS

Batch ID: 37065

RunNo: 49860

Prep Date: 3/16/2018 Analysis Date: 3/16/2018

SeqNo: 1614077

Units: mg/Kg

%RPD **RPDLimit**

Qual

Analyte Chloride

Result PQL

ND 1.5

HighLimit

Sample ID LCS-37065

SampType: Ics

TestCode: EPA Method 300.0: Anions

Client ID:

LCSS

3/16/2018

Batch ID: 37065 Analysis Date: 3/16/2018

PQL

1.5

RunNo: 49860

SeqNo: 1614078

Units: mg/Kg

Analyte

Prep Date:

Result

SPK value SPK Ref Val

%REC 94.0

LowLimit

%RPD HighLimit

RPDLimit Qual

Chloride

15.00

SPK value SPK Ref Val %REC LowLimit

14

110

Qualifiers:

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix D

H Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit ND

Practical Quanitative Limit **PQL**

% Recovery outside of range due to dilution or matrix

В Analyte detected in the associated Method Blank

Value above quantitation range

Analyte detected below quantitation limits

Page 2 of 5

P Sample pH Not In Range

RL Reporting Detection Limit

Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1803931

19-Mar-18

Client:

Blagg Engineering

Project: GCU 34	3	
Sample ID LCS-37062	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 37062	RunNo: 49845
Prep Date: 3/16/2018	Analysis Date: 3/16/2018	SeqNo: 1613300 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	47 10 50.00	
Surr: DNOP	4.6 5.000	91.1 70 130
Sample ID MB-37062	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 37062	RunNo: 49845
Prep Date: 3/16/2018	Analysis Date: 3/16/2018	SeqNo: 1613301 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 10	
Motor Oil Range Organics (MRO)	ND 50	
Surr: DNOP	9.5 10.00	95.1 70 130
Sample ID LCS-37056	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 37056	RunNo: 49846
Prep Date: 3/15/2018	Analysis Date: 3/16/2018	SeqNo: 1613305 Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	4.4 5.000	88.2 70 130
Sample ID MB-37056	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 37056	RunNo: 49846
Prep Date: 3/15/2018	Analysis Date: 3/16/2018	SeqNo: 1613306 Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	8.9 10.00	89.4 70 130

Qualifiers:

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix D

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

В Analyte detected in the associated Method Blank

Value above quantitation range E

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1803931

19-Mar-18

Client:

Blagg Engineering

Project:

GCU 343

Sample ID 100ng Ics	SampType: LCS4			TestCode: EPA Method 8260B: Volatiles Short List						
Client ID: BatchQC	Batcl	Batch ID: S49857			RunNo: 49857					
Prep Date:	Analysis Date: 3/16/2018			SeqNo: 1613602			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	101	80	120			
Toluene	1.0	0.050	1.000	0	103	80	120			
Ethylbenzene	0.99	0.050	1.000	0	99.2	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.5	80	120			
Surr: 4-Bromofluorobenzene	0.46		0.5000		91.2	70	130			
Surr: Toluene-d8	0.52		0.5000		104	70	130			
Sample ID rb	SampT	уре: М Е	BLK	TestCode: EPA Method 8260B: Volatiles Short List						
Client ID: PBS	Batch	Batch ID: S49857			RunNo: 49857					
Prep Date:	Analysis D	Analysis Date: 3/16/2018			SeqNo: 1613613 Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.56		0.5000		111	70	130			
Surr: Toluene-d8	0.52		0.5000		105	70	130			

Qualifiers:

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

Page 4 of 5

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1803931

19-Mar-18

Client: Blagg Engineering

Project: GCU 343

Project:	GCU 343										
Sample ID	1803931-001ams	SampType: MS			TestCode: EPA Method 8015D Mod: Gasoline Range						
Client ID:	5PC TB @ 5' (45)	Batch ID: G49857			RunNo: 49857						
Prep Date:		Analysis Date: 3/16/2018			SeqNo: 1613570			Units: mg/Kg			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang Surr: BFB	ge Organics (GRO)	15 370	3.4	17.05 341.0	0	87.0 107	64.7 70	142 130			
	2.5ug gro lcs	SampTyp						8015D Mod:	Gasoline	Range	
Client ID:	LCSS	Batch ID: G49857			RunNo: 49857						
Prep Date:		Analysis Date	e: 3/	/16/2018	5	SeqNo: 1	1613580	Units: mg/l	Kg		
Analyte	(ODO)		PQL		SPK Ref Val	%REC		HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	e Organics (GRO)	24 520	5.0	25.00 500.0	0	94.6 103	70 70	130 130			
Sample ID		SampType: MBLK			TestCode: EPA Method 8015D Mod: Gasoline Range						
Client ID:	PBS	Batch II				RunNo: 4		I be to see a see an			
Prep Date:		Analysis Date				SeqNo: 1		Units: mg/l	\ g		
Analyte	e Organics (GRO)	Result F	PQL 5.0	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	e Organics (GNO)	600	5.0	500.0		120	70	130			
Sample ID	2.5UG GRO LCS2	SampType: LCS TestCode: EPA Method 8015D Mod: Gasoline Range									
Client ID:	LCSS	Batch ID: A49857			RunNo: 49857						
Prep Date:		Analysis Date	e: 3 /	16/2018	S	SeqNo: 1	614537	Units: %Re	С		
Analyte		Result F	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		510		500.0		102	70	130			
Sample ID	rb2	SampType	SampType: MBLK TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID:	PBS	Batch ID): A4	9857	F	RunNo: 4	19857				
Prep Date:		Analysis Date	e: 3 /	16/2018	S	SeqNo: 1	614538	Units: %Re	С		
Analyte		Result F	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		570		500.0		114	70	130			
Sample ID	Sample ID 1803931-001amsd SampType: MSD TestCode: EPA Method 8015D Mod: Gasoline Range										
Client ID:	5PC TB @ 5' (45)	Batch ID): G 4	9857	R	RunNo: 4	9857				
Prep Date:		Analysis Date	e: 3/	16/2018	S	SeqNo: 1	614684	Units: mg/k	(g		
Analyte		Result F	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	14	3.4	17.05	0	84.4	64.7	142	3.03	20	

Qualifiers:

Surr: BFB

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

360

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

70

130

0

E Value above quantitation range

107

J Analyte detected below quantitation limits

Page 5 of 5

0

P Sample pH Not In Range

341.0

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 Nu	mber: 1803931		RcptNo: 1
Received By:	Erin Melendrez	3/16/2018 8:00:0	0 AM	UNG.	-
Completed By:	Dennis Suazo	3/16/2018 8:17:1	1 AM	David	_
		3/4/18		san-gray	1, 1/1
Reviewed By:	DPS	314/10	Lah	ited B	y MW 3/14/18
Chain of Cus	<u>tody</u>				
1. Is Chain of Ca	ustody complete?		Yes 🗹	No 🗆	Not Present
2. How was the	sample delivered?		Courier		
Log In					
3. Was an attem	pt made to cool the sam	ples?	Yes 🗹	No 🗆	NA 🗆
4. Were all samp	oles received at a temper	ature of >0° C to 6.0°C	Yes 🗹	No 🗆	NA 🗆
5. Sample(s) in	proper container(s)?		Yes 🗹	No 🗌	
6. Sufficient sam	ple volume for indicated	test(s)?	Yes 🗹	No 🗔	
7. Are samples (except VOA and ONG) p	roperly preserved?	Yes 🗹	No 🗆	
8. Was preserval	tive added to bottles?		Yes	No 🗹	NA 🗌
9. VOA vials hav	e zero headspace?		Yes	No 🗆 I	No VOA Vials ☑
10. Were any san	nple containers received	broken?	Yes		# of preserved
and the second s	rk match bottle labels?		Yes 🗹		for pH: (<2 or >12 unless noted)
	incles on chain of custod correctly identified on Cha		Yes 🗸	No 🗆	Adjusted?
	analyses were requeste		Yes 🗹	No 🗆	
	ng times able to be met?		Yes 🗹	No 🗆	Checked by:
(If no, notify cu	stomer for authorization)		Ŷ	
Special Handl	ing (if applicable)				
15. Was client no	tified of all discrepancies	with this order?	Yes 🗆	No 🗆	NA 🗹
Person	Notified:	Da	te:	CARL CONTRACTOR OF CONTRACTOR	
By Who	Section of the Contract of the	Via	: eMail	Phone Fax	In Person
Regardi	Children interest with the later	transplit to the control of the cont		magnifes (C) (EC) (C) and a making on great (C) decom-	inagerenge 22-1-1-Militaren e neerschijnig*
	structions:				
16. Additional rer	marks:				
17. Cooler Inform		Leading Location	l contract	Cinnad B I	
Cooler No	Temp °C Condition	Seal Intact Seal No Not Present	Seal Date	Signed By	
L			*** *** * ******		



