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

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.

6376 <u>Proposed Alternative Method Permit or Closure Plan Application</u>	
Type of action: Below grade tank registration Permit of a pit or proposed alternative method Closure of a pit, below-grade tank, or proposed alternative method Modification to an existing permit/or registration Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank	ς,
or proposed alternative method	
Instructions: Please submit one application (Form C-144) per individual pit, 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 environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or	or the rordinances.
Deperator: BP America Production Company OGRID #: 778	
Operator: BP America Production Company OGRID #: 778 Address: 200 Energy Court, Farmington, NM 87401 OGRID #: 778	
Facility or well name: DAY A LS 017	
API Number: 3004521512 OCD Permit Number:	
API Number: 3004521512 OCD Permit Number: U/L or Qtr/Qtr C Section 07 Township 29N Range 08W County: Section 07 Township 107 71822	
Center of Proposed Design: Latitude 36.74406 Longitude -107.71833 NAD83	
Surface Owner: Federal State Private Tribal Trust or Indian Allotment	
2.	
<u>Pit</u> : Subsection F, G or J of 19.15.17.11 NMAC	
Temporary: Drilling Workover	
Permanent Emergency Cavitation P&A Multi-Well Fluid Management Low Chloride Drilling Fluid yes no	
Lined Unlined Liner type: Thicknessmil LLDPE HDPE PVC Other	
String-Reinforced	
Liner Seams: Welded Factory Other Volume: bbl Dimensions: L x W x D)
3. TANK A	
Below-grade tank: Subsection 1 of 19.15.17.11 NMAC	
Volume: 95 bbl Type of fluid: Produced Water	
Tank Construction material: Steel	
Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off	
Visible sidewalls and liner Visible sidewalls only Other Double wall/ Double bottom; sidewalls not visible	
Liner type: Thickness mil HDPE PVC Other	
4.	
Alternative Method: Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approximation.	nnroval
	pproval.
s. 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	al,
institution or church) Four foot height, four strands of barbed wire evenly spaced between one and four feet	
Alternate. Please specify	
MAI 2 3 2018	
Form C-144 Oil Conservation Division DISTRIC Page 1 of 6	(23)

8

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

Screen Netting Other

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

Signs: Subsection C of 19.15.17.11 NMAC

12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

Signed in compliance with 19.15.16.8 NMAC

Variances and Exceptions:

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

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

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

^{9.} <u>Siting Criteria (regarding permitting)</u>: 19.15.17.10 NMAC *Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below.* Siting criteria does not apply to drying pads or above-grade tanks.

<u>General siting</u>	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank	☐ Yes ☐ No ☐ NA
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
 Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. (Does not apply to below grade tanks) Written confirmation or verification from the municipality; Written approval obtained from the municipality 	🗌 Yes 🗌 No
 Within the area overlying a subsurface mine. (Does not apply to below grade tanks) Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division 	Yes No
 Within an unstable area. (Does not apply to below grade tanks) Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 	🗌 Yes 🗌 No
 Within a 100-year floodplain. (Does not apply to below grade tanks) FEMA map 	Yes No
Below Grade Tanks	
 Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No
 Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site 	Yes No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
 Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) Topographic map; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No
Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application.	🗌 Yes 🗌 No
 Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	🗌 Yes 🗌 No

Within 100 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	Yes No						
Temporary Pit Non-low chloride drilling fluid							
 Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). Topographic map: Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No						
 Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 							
 Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site 	Yes No						
 Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No						
Permanent Pit or Multi-Well Fluid Management Pit							
 Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No						
 Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	Yes No						
 Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site 	Yes No						
 Within 500 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No						
10. <u>Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist</u> : Subsection B of 19.15.17.9 N	IMAC						
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the do 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 Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC 	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 	15.17.9 NMAC						
Previously Approved Design (attach copy of design) API Number: or Permit Number:							
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 dot attached. Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC	cuments are						
 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 	.15.17.9 NMAC						
Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC							
Previously Approved Design (attach copy of design) API Number: or Permit Number:							

12. Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the orattached. Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Climatological Factors Assessment Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC Quality Control/Quality Assurance Construction and Installation Plan Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Muisance or Hazardous Odors, including H2S, Prevention Plan Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Erosion Control Plan Closure Plan - based upon the appropriate requirements of 19.15.17.13 NMAC	documents are
13. Proposed Closure: 19.15.17.13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan. Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Multi-well FI 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	uid Management Pit
14. Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be a closure plan. Please indicate, by a check mark in the box, that the documents are attached. □ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC □ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC □ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) □ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC □ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC □ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	nttached to the
15. <u>Siting Criteria (regarding on-site closure methods only)</u> : 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. P 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
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	□ Yes □ No □ NA
 Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No
 Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	Yes No
 Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application. NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site 	Yes No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	Yes No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	Yes No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	

×

.

	🗌 Yes 🗌 No
 Within the area overlying a subsurface mine. Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division 	🗌 Yes 🗌 No
 Within an unstable area. Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 	Yes No
Within a 100-year floodplain. - FEMA map	Yes No
 16. On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plot 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 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC Maste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cann Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC 	.11 NMAC .15.17.11 NMAC
Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	
Operator Application Certification: I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and beli	ief.
Name (Print):	
Signature: Date:	
e-mail address: Telephone:	
e-mail address: Telephone: 18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)	
18.	
18. OCD Approval: Dermit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)	
18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature:	the closure report.
18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature:	the closure report.
18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature:	the closure report. complete this

22. Operator Closure Certification:

,

Signature:

.

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): Erin Garifalos

Title: Field Environmental Coordinator

erin garibalas

Date: May 21, 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

DAY A LS 017

API No. 3004521512

Unit Letter C Section 07 T 29N R 08W

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

General Closure Plan

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

Notice is attached.

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

Notice was provided and is attached.

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

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

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

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

The BGT was transported for recycling.

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

All equipment associated with the BGT has been removed.

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

Constituents	Testing Method	Release Verification	Sample
	95 bbl BGT	(mg/Kg)	results
Benzene	US EPA Method SW-846 8021B or 8260B	10	< 0.018
Total BTEX	US EPA Method SW-846 8021B or 8260B	50	< 0.072
TPH	US EPA Method SW-846 418.1 or 8015 extended	100	<48
Chlorides	US EPA Method 300.0 or 4500B	620	<30

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

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

BP shall notify the division District III office of its results on form C-141.
 C-141 is attached.

8. If it is determined that a release has occurred, then BP will comply with 19.15.30 NMAC and 19.15.29 NMAC, as appropriate.

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

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

Sampling results indicate a release has not occurred. The location will be reclaimed when the well is plugged and abandoned.

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

The area was backfilled and BGT location's surface condition is clear, but within the site's operational area. The location will be reclaimed once the well is plugged and abandoned.

11. The soil cover for closures where the BGT has been removed or remediated to the NMOCD's satisfaction shall consist of the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater. The soil cover will be constructed to the site's existing grade and all practicable efforts will be made to prevent ponding of water and erosion of the cover material.

The area was backfilled and BGT location's surface condition is clear, but within the site's operational area. The location will be reclaimed once the well is plugged and abandoned.

12. BP shall seed the disturbed area the first growing season after closure of the BGT. Seeding will be accomplished by drilling on the contour whenever practical or by other division-approved methods. Vegetative cover will be, at a minimum, 70% of the native perennial vegetative cover (un-impacted by overgrazing, fire or other intrusion damaging to native vegetation), consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintenance of that cover through two successive growing seasons. During the two growing seasons that prove viability, there shall be no artificial irrigation of the vegetation.

The area was backfilled and BGT location's surface condition is clear, but within the site's operational area. The location will be reclaimed once the well is plugged and abandoned.

13. BP shall seed, plant and re-seed pursuant to Paragraph (3) of Subsection I of 19.15.17.13 NMAC, until the location successfully achieves the required vegetative cover.

The area was backfilled and BGT location's surface condition is clear, but within the site's operational area. The location will be reclaimed once the well is plugged and abandoned.

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

The area was backfilled and BGT location's surface condition is clear, but within the site's operational area. The location will be reclaimed once the well is plugged and abandoned.

- 15. Within 60 days of closure completion, BP shall submit a closure report on NMOCD's form C-144, and will include the following;
 - a. proof of closure notification (surface owner and NMOCD)
 - b. sampling analytical reports; information required by 19.15.17 NMAC;
 - c. disposal facility name and permit number

.

- 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.

.

State of New Mexico Energy Minerals and Natural Resources

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

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

			Rele	ease Notific	cation	and Co	orrective A	ctior	1			
						OPERA	ГOR		Initi	al Report		Final Repor
	Name of Company BP America Production Company Contact Erin Garifalos											
			irmingto	n, NM 87401			No. (832) 609-					
	Facility Name DAY A LS 017 Facility Type: Natural Gas Well											
Surface Ow	ner: Fede	eral		Mineral C)wner:	Federal			API No	.300452	21512	2
			-		ATIO	N OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the		West Line	County	2010	luce
С	07	29N	08W	800	Nor	th	800	We	est	1	san	Juan
			Latitud	e 36.74406	L	ongitude ⁻¹	07.71833	NAD	83	•		
						OF RELI						
Type of Rele	ase:: none)				Volume of	Release: : unkno			Recovered: :		
Source of Re	lease: belo	w grade ta	nk - 95	bl		Date and H	Iour of Occurrenc	e:	Date and n/a	Hour of Dis	scovery:	:
Was Immedi		Given?				If YES, To	Whom?		Tind			
			Yes 🗸	No 🗌 Not Re	equired							
By Whom? Was a Water	COURSA Dago	had?				Date and H	lour olume Impacting t	he Wet				
was a water	course Read		Yes 🗸	No		II IES, VO	fume impacting t	ne wat	ercourse.			
If a Waterco	irse was Im	pacted, Descr	ibe Fully.*	1								
Describe Cau	se of Proble	em and Reme	dial Action	Takan *								
Describe Cat		em and Keme	ulai Action	Sam	-		beneath the				0	
					-		d for Chlorid	-				
				closu	ire sta	ndards. F	Field reports	and I	aborato	ry result	s are	attached.
Describe Are	a Affected a	and Cleanup A	Action Tak	en.* No actio	n nec	essary F	inal laborate	orv ar	nalvsis	letermin	ed no	0
						n is requi		ory ai	laryolo c			5
I hereby certi	fy that the i	nformation gi	ven above	is true and comp	lete to th	ne best of my	knowledge and u	ndersta	nd that purs	suant to NM	OCD ru	ules and
regulations a	ll operators	are required to	o report an	d/or file certain r	elease no	otifications an	nd perform correc	tive act	ions for rele	eases which	may en	ndanger
							arked as "Final Ro on that pose a thre					
or the enviro	nment. In a	ddition, NMO	CD accep				e the operator of i					
federal, state	or local lav	ws and/or regu	lations.				OIL CONS	SERV	ATION	DIVISIO	N	
4	Ting	willow	4				<u>OIL CON</u>	JLICY	AHON	DIVISIC		
Signature:	Sung	aribalo					F					
Printed Name	Erin G	arifalos				Approved by	Environmental S	pecialis	t:			
Field Environmental Coordinator							Expiration 1	Date:				
E-mail Addre	E-mail Address: erin.garifalos@bp.com											
Date: May	Date: May 21, 2018 Phone: (832) 609-7048											

* Attach Additional Sheets If Necessary



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

March 16, 2018

bp

Bureau of Land Management Whitney Thomas 6251 College Suite A Farmington, NM 87402

VIA EMAIL

Re: Notification of plans to close/remove a below grade tank Well Name: DAY A LS 017 API #: 3004521512

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 23, 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
Subject:	RE: BP Pit Close Notification - DAY A LS 017
Date:	Friday, March 23, 2018 12:09:38 PM

The work on this site has been rescheduled for Tuesday March 27, 2018. Thank you.

Farrah

4

From: Buckley, Farrah (CH2M HILL)
Sent: Friday, March 16, 2018 9:54 AM
To: 'Smith, Cory, EMNRD'; 'Fields, Vanessa, EMNRD (Vanessa.Fields@state.nm.us)'
Cc: 'jeffcblagg@aol.com'; 'blagg_njv@yahoo.com'; Garifalos, Erin
Subject: BP Pit Close Notification - DAY A LS 017

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 16, 2018

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

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

DAY A LS 017 API 30-045-21512 (C) Section 07 – T29N – R08W San Juan County, New Mexico

Dear Mr. Cory Smith and Mrs. Vanessa Fields,

In regards to the captioned subject and requirements of the NMOCD pit rule, this letter is notification that BP is planning to close a 95bbl BGT that will no longer be operational at this well site. We anticipate this work to start on or around March 23, 2018.

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

Sincerely,

* . 4 4

Erin Garifalos

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

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

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

	BLAGG P.O. BOX 87, (3	API #:			
FIELD REPORT:	(circle one): BGT CONFIRMATIC	N / RELEASE INVESTIGA	ITION / OTHER:		PAGE #: c	of _ 1
SITE INFORMATION	SITE NAME: DAY	A LS #17			DATE STARTED: 03/2	27/18
QUAD/UNIT: C SEC: 7 TWP:	29N RNG: 8W F	PM: NM CNTY:	SJ ST:	M	DATE FINISHED:	
1/4 -1/4/FOOTAGE: 800'N / 800'N	N NE/NW LEAS	SE TYPE: FEDERAL ST CONTRACTOR: BP	RIKE	AN	ENVIRONMENTAL SPECIALIST(S):	JV
REFERENCE POINT				4000		
	GPS COORD.:	GPS COORD.: 3			GL ELEV.: 6	
		30.74400 × 107.7				
2)					RING FROM W.H.:	
3)						
	GPS COORD.:		DIST	ANCE/BEAF	(ING FROM W.H.:	OVM
SAMPLING DATA:				004	ED/0024 D/200 0 (CI)	READING (ppm)
	(95) SAMPLE DATE: 03			001	5D/8021D/300.0 (CI)	NA
3) SAMPLE ID:			LAB ANALYSIS:			
4) SAMPLE ID:	SAMPLE DATE:	SAMPLE TIME:	LAB ANALYSIS:			
5) SAMPLE ID:	SAMPLE DATE:					
SOIL DESCRIPTION	SOIL TYPE: SAND SILTY SAN	D SILT / SILTY CLAY / CLA	Y/GRAVEL/OTHER			
	LOWISH BROWN	1 C			DHESIVE / MEDIUM PLASTIC / HIGH	HLY PLASTIC
COHESION (ALL OTHERS): NON COHESIVE / SLIGHTL' CONSISTENCY (NON COHESIVE SOILS): C					STIFF / VERY STIFF / HARD	
MOISTURE: DRY SLIGHTLY MOIST MOIST / W			YES NO EXPLANATION			
SAMPLE TYPE: GRAB COMPOSITE +			IG WETNESS: YES NO	EXPLAN	ATION -	
DISCOLORATION/STAINING OBSERVED: YES	O EXPLANATION -					
APPARENT EVIDENCE OF A RELEASE OBSERVE EQUIPMENT SET OVER RECLAIMED AREA: OTHER: MMOCD OR BLM REPS. NOT PR	D AND/OR OCCURRED : YES NO E YES NO EXPLANATION -	EXPLANATION:	- NC			
EXCAVATION DIMENSION ESTIMATION:	NA ft. X NA	ft. X NA	ft. EXCAVATI	ON EST	IMATION (Cubic Yards) :	NA
DEPTH TO GROUNDWATER: >100' N	EAREST WATER SOURCE: >1,0				D TPH CLOSURE STD: 10	
SITE SKETCH	BGT Located : off on	site PLOT PLA	N circle: attached		CALIB. READ. = NA pp	0m RE =1.00
L	<u>\</u>				CALIB. GAS = NA pp	11 -1.00
			N		NA am/pm DATE:	NA
		SEPARATOR	IN			
	METER				MISCELL. NO	IE2
	\wedge	×		W		
		₩.H.				
F		k			D: VHIXONEVB2	
		BERM			ermit date(s): 06/0	2/10
	PBGTL				CD Appr. date(s): 02/1	
	T.B. ~5' B.G.			Tan	k OVM = Organic Vapor Me	ter
	0.0.				ppm = parts per million BGT Sidewalls Visible: Y /(\widehat{N}
			X - S.P.I		BGT Sidewalls Visible: Y /	
NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATIO	N DEPRESSION: B.G. = BELOW GRADE P	= BELOW; T.H. = TEST HOLF ~=			BGT Sidewalls Visible: Y /	N
T.B. = TANK BOTTOM; PBGTL = PREVIOUS BEL APPLICABLE OR NOT AVAILABLE; SW - SINGLE	OW+GRADE TANK LOCATION; SPD = SAMP WALL; DW - DOUBLE WALL; SB - SINGLE	LE POINT DESIGNATION; R.W. = BOTTOM; DB - DOUBLE BOTTOM	RETAINING WALL; NA - NOT I.		agnetic declination: 10)°E
NOTES: GOOGLE EARTH IMAGE	:RY DATE: 10/5/2016.	ONSITE:	03/27/18			

Analytical Report									
Lab Order 1803E69									
Date Reported: 3/29/2018									

Hall Environmental Analysis Laboratory, Inc.

> , (+

Analyses	Result POL Qual Units DF Date Analyzed	В
Lab ID: 1803E69-001	Matrix: MEOH (SOIL) Received Date: 3/28/2018 7:15:00 AM	
Project: Day A LS 17	Collection Date: 3/27/2018 11:10:00 AM	
CLIENT: Blagg Engineering	Client Sample ID: 5PC-TB@ 5 (95)	

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	30	mg/Kg	20	3/28/2018 12:06:18 PM	37291
EPA METHOD 8015D MOD: GASOLINE	RANGE				Analyst	AG
Gasoline Range Organics (GRO)	ND	3.6	mg/Kg	1	3/28/2018 11:43:44 AM	37278
Surr: BFB	110	70-130	%Rec	1	3/28/2018 11:43:44 AM	37278
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS	5			Analyst	том
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	3/28/2018 11:23:20 AM	37281
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	3/28/2018 11:23:20 AM	37281
Surr: DNOP	101	70-130	%Rec	1	3/28/2018 11:23:20 AM	37281
EPA METHOD 8260B: VOLATILES SHO	RT LIST				Analyst	AG
Benzene	ND	0.018	mg/Kg	1	3/28/2018 11:43:44 AM	37278
Toluene	ND	0.036	mg/Kg	1	3/28/2018 11:43:44 AM	37278
Ethylbenzene	ND	0.036	mg/Kg	1	3/28/2018 11:43:44 AM	37278
Xylenes, Total	ND	0.072	mg/Kg	1	3/28/2018 11:43:44 AM	37278
Surr: 4-Bromofluorobenzene	110	70-130	%Rec	1	3/28/2018 11:43:44 AM	37278
Surr: Toluene-d8	87.5	70-130	%Rec	1	3/28/2018 11:43:44 AM	37278

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 1 of 5
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

CI	hain-o	of-Cus	tody Record	Turn-Around	Time	SAME				H		n	F	NN	TE	20	NI	MF	NT	Δ'	i				
Client:	BLAG	G ENGR.	/ BP AMERICA	Standard	Rush_	DAY	ANALYSIS LABORAT																		
				Project Name							ww	w.ha	llen	viro	nme	ntal	.com	1							
Mailing A	ddress:	P.O. 80	K 87		DAY A LS #	# 17	4901 Hawkins NE - Albuquerque, NM 87109																		
		BLOOM	FIELD, NM 87413	Project #:			Tel. 505-345-3975 Fax 505-345-4107																		
Phone #:		(505) 63	2-1199				Analysis Request				R ⁴ Testini														
email or F	ax#:			Project Manag	ger:									4)				11							
QA/QC Par	-		Level 4 (Full Validation)	ERIN GARIFALOS		ERIN GARIFALOS			ERIN GARIFALOS			MRO)			15)		D04,50	PCB's			(er - 300.1)			e	
Accreditat	ion:			Sampler: NELSON VELEZ			8	Gas	80	(T	Ê	NISC		05	3082			(wal			dui				
	r	Other_		On Ice: SYes □ No ??? Sample Temperature: 0.5		1	H TPH	0/0	418.	504	504	504	504	8270		03, h	\$ 150		(V)	000			e sa	(N L	
	ype)					L.	# 3	(GR	por	pot	or	etals	CI'N	cide	(A	I-VC	il-3		a	losit	(Y o				
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO. 1803669	BTEX +-MTE	BTEX + MTBE	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.3)	PAH (8310 or 8270SIMS)	RCRA 8 Metals	Anions (F,Cl,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	3081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Chłoridė (soil - 300.0 / water		Grab sample	5 pt. composite sample	Air Bubbles (Y or N)			
3/27/18	1110	SOIL	SPC - TB @ 5 (95)	4 oz 1	Cool	001	V		٧									V			٧				
													_	_							1				
																					1				
																			-+	1		_			
											_								$ \rightarrow $	1	-				
									-						-				1	-	1	_			
									-		_								\top		+	-			
									-				-		-	-	1		\top	+	-	-			
									-		-				-	-	-	\vdash	+	1	-	-			
Date:	Time	Relinquishe		Received by:		Date Time	Rem	arks									TACT V	MITH (CORRES	PON	DING	VID			
3/27/18	1540	71	In Vf	Ruhw	all	3/27/13 1540	0	ONTA	CT-	and and a second second		RIFA					NC								
Date:	Time:	Relinguishe	ed by: U	Received by:		Date Time	1			VHD				1 114	THE	11140									
3/27/18	1844	Rha	Hudela	Tid	3 3	25/18 715	Reference # P-942																		

*

.

If necessary samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report

Client: Blagg Engineering Project: Day A LS 17

Sample ID MB-37291	SampType: mblk	TestCode: EPA Method	300.0: Anions	
Client ID: PBS	Batch ID: 37291	RunNo: 50148		
Prep Date: 3/28/2018	Analysis Date: 3/28/2018	SeqNo: 1624854	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			
Sample ID LCS-37291	SampType: Ics	TestCode: EPA Method	300.0: Anions	
Client ID: LCSS	Batch ID: 37291	RunNo: 50148		
Prep Date: 3/28/2018	Analysis Date: 3/28/2018	SeqNo: 1624855	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	15 1.5 15.00	0 98.9 90	110	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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

WO#: 1803E69

29-Mar-18



WO#: 1803E69

Page 3 of 5

29-Mar-18

00	ngineering								
Project: Day A I									
Sample ID LCS-37281	SampType	LCS	Tes	tCode: EF	A Method	8015M/D: Di	esel Rang	e Organics	
Client ID: LCSS	Batch ID:	37281	F	RunNo: 50	0135				
Prep Date: 3/28/2018	Analysis Date:	3/28/2018	5	SeqNo: 16	623858	Units: mg/ #	g		
Analyte	Result P	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10 50.00	0	88.2	70	130			
Surr: DNOP	4.4	5.000		88.5	70	130			
Sample ID MB-37281	SampType	MBLK	Tes	tCode: EF	A Method	8015M/D: Die	esel Rang	e Organics	
Client ID: PBS	Batch ID:	37281	F	RunNo: 50)135				
Prep Date: 3/28/2018	Analysis Date:	3/28/2018	S	SeqNo: 16	623859	Units: mg/K	g		
Analyte	Result P	QL 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	10	10.00		101	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

Client: Blagg Engineering

Project: Day A LS 17

Sample ID Ics-37278	SampType: L	CS4	Tes	tCode: EF	PA Method	8260B: Volat	tiles Short	t List	
Client ID: BatchQC	Batch ID: 3	Batch ID: 37278 RunNo: 50140							
Prep Date: 3/27/2018	Analysis Date:	3/28/2018	5	SeqNo: 10	624160	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86 0.025	5 1.000	0	86.5	80	120			
Toluene	0.93 0.050	1.000	0	93.3	80	120			
Ethylbenzene	0.98 0.050	1.000	0	98.0	80	120			
Xylenes, Total	3.0 0.10	3.000	0	99.1	80	120			
Surr: 4-Bromofluorobenzene	0.48	0.5000		96.4	70	130			
Surr: Toluene-d8	0.46	0.5000		92.2	70	130			
Sample ID mb-37278 SampType: MBLK TestCode: EPA Method 8260B: Volatiles Short List									
Client ID: PBS	Batch ID: 3	7278	F	RunNo: 5(0140				
Prep Date: 3/27/2018	Analysis Date:	3/28/2018	S	SeqNo: 16	624161	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	0.57	0.5000		114	70	130			
Surr: Toluene-d8	0.44	0.5000		88.5	70	130			
Sample ID Ics-37273	SampType: L	CS4	Tes	tCode: EF	PA Method	8260B: Volat	iles Short	List	
Client ID: BatchQC	Batch ID: 3	7273	R	RunNo: 50	0140				
Prep Date: 3/27/2018	Analysis Date:	3/28/2018	S	SeqNo: 16	524719	Units: %Rec	2		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.48	0.5000		95.8	70	130			
Surr: Toluene-d8	0.47	0.5000		94.3	70	130			
Sample ID mb-37273	SampType: M	BLK	Test	tCode: EF	A Method	8260B: Volat	iles Short	List	
Client ID: PBS	Batch ID: 3	7273	R	RunNo: 50	0140				
Prep Date: 3/27/2018	Analysis Date: 3	3/28/2018	S	SeqNo: 16	324720	Units: %Rec	2		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.55	0.5000		111	70	130			
Surr: 4-Bromonuorobenzene	0.00				10	100			

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

WO#: **1803E69**

29-Mar-18

Page 4 of 5

WO#: 1803E69

Page 5 of 5

29-Mar-18

Client: Blagg E	ngineering			
Project: Day A I	LS 17			
Sample ID Ics-37278	SampType: LCS	TestCode: EPA Method	8015D Mod: Gasoline Range	
Client ID: LCSS	Batch ID: 37278	RunNo: 50140		
Prep Date: 3/27/2018	Analysis Date: 3/28/2018	SeqNo: 1624152	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLim	it Qual
Gasoline Range Organics (GRO)	26 5.0 25.00	0 104 70	130	
Surr: BFB	490 500.0	98.6 70	130	
Sample ID mb-37278	SampType: MBLK	TestCode: EPA Method	8015D Mod: Gasoline Range	
Client ID: PBS	Batch ID: 37278	RunNo: 50140		
Prep Date: 3/27/2018	Analysis Date: 3/28/2018	SeqNo: 1624153	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimi	it Qual
Gasoline Range Organics (GRO)	ND 5.0			
Surr: BFB	560 500.0	113 70	130	
Sample ID Ics-37273	SampType: LCS	TestCode: EPA Method	8015D Mod: Gasoline Range	
Client ID: LCSS	Batch ID: 37273	RunNo: 50140		
Prep Date: 3/27/2018	Analysis Date: 3/28/2018	SeqNo: 1624698	Units: %Rec	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimi	t Qual
Surr: BFB	490 500.0	97.8 70	130	
Sample ID mb-37273	SampType: MBLK	TestCode: EPA Method	8015D Mod: Gasoline Range	
Client ID: PBS	Batch ID: 37273	RunNo: 50140		
Prep Date: 3/27/2018	Analysis Date: 3/28/2018	SeqNo: 1624699	Units: %Rec	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimi	t Qual
Surr: BFB	550 500.0	109 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

HALL ENVIRONME ANALYSIS LABORATOR		Hall Environmental Alb TEL: 505-345-3975 Website: www.ha	490 uquerq FAX:)1 Hawkin jue, NM 8 505-345-4	s NE 7109 4107	Sam	ple Log-In Check List
Client Name: BLAGG	ì	Work Order Number:	180	3E69			RcptNo: 1
Received By: Isaiah	Ortiz	3/28/2018 7:15:00 AM			IC		-
Completed By: Isaiah Reviewed By:	Ortiz DS	3/28/2018 7:30:27 AM 3/28/18			IC		-
LB: ENM							
Chain of Custody							
1. Is Chain of Custody co	omplete?		Yes		No		Not Present
2. How was the sample of	lelivered?		Cou	rier			
Log In 3. Was an attempt made	to cool the samples?		Yes	\checkmark	No		
4. Were all samples recei	ived at a temperature o	of >0° C to 6.0°C	Yes		No		
5. Sample(s) in proper co	ontainer(s)?		Yes		No		
6. Sufficient sample volum	ne for indicated test(s)	?	Yes	\checkmark	No		
7. Are samples (except V	OA and ONG) properly	preserved?	Yes	\checkmark	No		
8. Was preservative adde	d to bottles?		Yes		No	\checkmark	NA 🗌
9. VOA vials have zero he	adspace?		Yes		No		No VOA Vials 🗹
10. Were any sample cont	ainers received broken	?	Yes		No		# of preserved bottles checked
11. Does paperwork match (Note discrepancies on			Yes	\checkmark	No		for pH: (<2 or >12 unless noted)
12. Are matrices correctly i	dentified on Chain of C	ustody?	Yes	\checkmark	No		Adjusted?
13. Is it clear what analyses					No	-	
14. Were all holding times (If no, notify customer f			Yes		No	L : _	Checked by:
Special Handling (if a	applicable)						
15. Was client notified of a	Il discrepancies with th	nis order?	Yes		No		NA 🗹
Person Notified:		Date:					
By Whom:		Via:	eMa	ail 🗌 P	hone 📋	Fax	In Person
Regarding: Client Instruction	s:	g. Mart 1. 1918 - and a gase (NCB - 1. 1. and 1. 1977) - 2. and the support	C. C			e and i a distance	upper tot a manufacture to a secondar
16. Additional remarks:						<u>-</u> to 700	
17. Cooler Information							
Cooler No Temp		al Intact Seal No S	eal Da	ate	Signed I	Ву	
1 0.9	Good Yes	3 		ar allana			

Page 1 of 1

* +

-

