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	OIL	C
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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

Form Constant Provided April 3, 2017 Revised April 3, 2017 The permanent 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.

Please be advised environment. Nor	Type of act or propose <i>Instructions</i> that approval of	tion: Below gra: Permit of a Closure of Modificati Closure pla d alternative method <i>Please submit one ap</i> This request does not reli	de tank registration a pit or proposed alt a pit, below-grade on to an existing pe an only submitted f <i>oplication (Form C-I</i> ieve the operator of lial	tank, or proposed altern ermit/or registration for an existing permitted (44) per individual pit, between bility should operations res	native method d or non-permi <i>low-grade tank d</i> ult in pollution of	itted pit, below-grade tank,
Facility or well API Number: <u>2</u> U/L or Qtr/Qtr Center of Propo Surface Owner:	name: ELLIO 3004524383 C osed Design: L	TT GC R 001E		DCD Permit Number: Range _09W Longitude107.77090	County:	San JuanNAD83
Temporary:	Drilling 🗌 W Emergency Unlined Liner forced	Cavitation P&A	Multi-Well Flui	E HDPE PVC] Other	Drilling Fluid
Volume: 95 Tank Construct	ion material: containment wi ewalls and liner	th leak detection 🗌 V	/isible sidewalls, line only Other Sin	NK A 	om; sidewalls	not visible
4. <u>Alternative</u> Submittal of an		est is required. Except	ions must be submitte	ed to the Santa Fe Enviror	nmental Bureau	office for consideration of approval.
Chain link, s institution or ch	six feet in heigh <i>nurch)</i> eight, four stran		d wire at top (Require			ent residence, school, hospital,

Oil Conservation Division

 6. <u>Netting</u>: 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) 	
 7. 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. <u>Variances and Exceptions</u>: Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance. <i>Please check a box if one or more of the following is requested, if not leave blank:</i> □ 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 acce material 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	□ 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. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	🗌 Yes 🗌 No
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	🗌 Yes 🗌 No

- **x**

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 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
10. Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 N Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the 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 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.10 NMAC 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:	ouments are 9 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 dot attached.	9.15.17.9 NMAC
Previously Approved Design (attach copy of design) API Number: or Permit Number:	

Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the attached. Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Climatological Factors Assessment Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC Quality Control/Quality Assurance Construction and Installation Plan Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Errosion Control Plan Closure Plan - based upon the appropriate requirements of 19.15.17.9 NMAC and 19.15.17.13 NMAC	documents are
13. De 161 - 1015 17 10 DE 46 C	
<u>Proposed Closure</u> : 19.15.17.13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.	
Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Multi-well F	luid Management Pit
Alternative Proposed Closure Method: Waste Excavation and Removal	
 Waste Removal (Closed-loop systems only) On-site Closure Method (Only for temporary pits and closed-loop systems) 	
In-place Burial On-site Trench Burial Alternative Closure Method	
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 Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable sour provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. F 19.15.17.10 NMAC for guidance.	rce material are Please refer to
 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 ☐ 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	
Form C-144 Oil Conservation Division Page 4 o	6

adopted pursuant to NMSA 1978, Section 3-27-3, as amended.		
- Written confirmation or verification from the municipality; Written approval obtained	ined from the municipality	Yes No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and M	lineral Division	Yes No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mi	neral Resources; USGS; NM Geological	
Society; Topographic map		🗌 Yes 🗌 No
Within a 100-year floodplain. - FEMA map		🗌 Yes 🗌 No
 ^{16.} <u>On-Site Closure Plan Checklist</u>: (19.15.17.13 NMAC) <i>Instructions: Each of the follow by a check mark in the box, that the documents are attached.</i> Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of Subset Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.13 Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 Confirmation Sampling Plan - based upon the appropriate requirements of 19.15.1.13 Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttion Soil Cover Design - based upon the appropriate requirements of Subsection H of 19 Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19 Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19 	nts of 19.15.17.10 NMAC ction E of 19.15.17.13 NMAC ate requirements of Subsection K of 19.15.17. ased upon the appropriate requirements of 19. NMAC nts of 19.15.17.13 NMAC 7.13 NMAC tings or in case on-site closure standards cann 1.5.17.13 NMAC 9.15.17.13 NMAC	11 NMAC 15.17.11 NMAC
17. Operator Application Certification:		
I hereby certify that the information submitted with this application is true, accurate and c	omplete to the best of my knowledge and beli	ief.
Name (Print): T	itle:	
Signature:	Date:	
	Date:	
e-mail address: To 18. OCD Approval: Permit Application (including closure plan), Closure Plan (only OCD Representative Signature:	elephone:	
e-mail address: To 18. OCD Approval: Permit Application (including closure plan) Closure Plan (only OCD Representative Signature: Title: OCD H	P OCD Conditions (see attachment) Approval Date: 12/7	
e-mail address: To 18. OCD Approval: Permit Application (including closure plan) Closure Plan (only OCD Representative Signature: Title: OCD H Title: OCD H 19. Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC Instructions: Operators are required to obtain an approved closure plan prior to implem The closure report is required to be submitted to the division within 60 days of the completion section of the form until an approved closure plan has been obtained and the closure actions.	Permit Number: Permit number: menting any closure activities and submitting letion of the closure activities. Please do not	the closure report.
e-mail address: To 18. OCD Approval: Permit Application (including closure plan) Closure Plan (only OCD Representative Signature: Title: OCD II 19. <u>Closure Report (required within 60 days of closure completion)</u> : 19.15.17.13 NMAC Instructions: Operators are required to obtain an approved closure plan prior to implem The closure report is required to be submitted to the division within 60 days of the completed section of the form until an approved closure plan has been obtained and the closure acc 20. <u>Closure Method</u> :	Permit Number: Approval Date:? Permit Number: menting any closure activities and submitting letion of the closure activities. Please do not tivities have been completed.	the closure report.

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Oil Conservation Division

Operator Closure Certification:

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

Name (Print): Erin Garifalos

22.

Signature:

Title: Field Environmental Coordinator

erin garibalos

Date: December 14, 2017

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

ELLIOTT GC R 001E

API No. 3004524383

Unit Letter C Section 34 T 30N R 09W

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	< 0.019
Total BTEX	US EPA Method SW-846 8021B or 8260B	50	< 0.075
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.

BP BGT Closure Plan 04-01-2010

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

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

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

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

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

The area has been backfilled and a 105 BBL shallow low profile above-grade tank set atop BGT location. The location will be reclaimed once the well is plugged and abandoned.

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

The area has been backfilled and a 105 BBL shallow low profile above-grade tank set atop BGT location. The location will be reclaimed once the well is plugged and abandoned.

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

The area has been backfilled and a 105 BBL shallow low profile above-grade tank set atop BGT location. The location will be reclaimed once the well is plugged and abandoned.

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

The area has been backfilled and a 105 BBL shallow low profile above-grade tank set atop BGT location. The location will be reclaimed once the well is plugged and abandoned.

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

The area has been backfilled and a 105 BBL shallow low profile above-grade tank set atop BGT location. 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.

BP BGT Closure Plan 04-01-2010

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State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised April 3, 2017

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

			Rel	ease Notifi	catio	and Co	orrective A	ction	1			
								enor		al Report		Final Report
Name of Co	mpany BP	America Produc	tion Compa	nv		OPERA'				ai Kepoit		rinai Kepon
		t, Farmington, N					No. (832) 609-7048					
Facility Nar	ne ELLIOTT	GC R 001E				Facility Typ	e : Natural Gas Wel	I				
Surface Ow	ner : Federa	1		Mineral	Owner:	Federal			API No	. 3004524383	1	
				LOC	ATIO	N OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/	West Line	County		
С	34	30N	09W	800	Nor	th	160	We	st	S	San	Juan
Latitude 36.77316 Longitude -107.77090 NAD83												
						OF REL						
Type of Rele	ase:: none	9				-	Release: : unkno	own	Volume R	Recovered: :	N/A	
Source of Re	lease: belo	w grade ta	nk - 95	bbl		Date and H	lour of Occurrenc	e:	Date and n/a	Hour of Dis	covery:	
Was Immedia		Given?				If YES, To	Whom?		1. d			
By Whom?			Yes 🗸	No 🗌 Not R	lequired	Date and H	lour				_	
Was a Water	course Read	ched?					olume Impacting t	he Wat	ercourse.			
			Yes 🗸	No			1 0					
If a Watercou	If a Watercourse was Impacted, Describe Fully.*											
Describe Cau	se of Probl	em and Reme	dial Action	n Taken.* Sam	plina (of the soil	beneath the	BGT	was do	ne durin	a ren	noval.
							d for Chlorid				-	
				closu	ure sta	indards. F	Field reports	and I	aborator	ry results	are	attached.
Describe Are	a Affected	and Cleanup A	Action Tak	en.* No actio	n neo	essary F	inal laborate	orv ar	nalvsis r	letermin	ed no	2
						n is requ		ory ai	laryolo c		ou n	
						,						
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.							danger liability nan health					
	12	and a				OIL CONSERVATION DIVISION						
L Signature:	run g	wilfald	24									
Printed Name	Erin G	arifalos		Δ.		Approved by	Environmental S	pecialis	t:			
Title: Field				rdinator		Approval Dat	e:		Expiration I	Date:		
		garifalos				Conditions of				Attached		
Date: Decen				(832) 609-7048						Attached		
Attach Addit	tional Shee	ets If Necess	ary									

bp



BP America Production Company 200 Energy Court Farmington, NM 87401

October 5, 2017

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: ELLIOTT GAS COM R 001E API #: 3004524383

Dear Mrs. Thomas,

As part of the NM "Pit Rule": 19.15.17.13 Closure Requirements, Paragraph J. BP America Production Company (BP) is required to notify the surface owner of BP's plans to close/remove a below grade tank. BP wishes to inform you of our plans to close/remove the below grade tank on its well pad located on your surface. BP plans to commence this work on or about October 10, 2017. 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

Buckley, Farrah (CH2M HILL) Smith, Cory, EMNRD; Fields, Vanessa, EMNRD (Vanessa, Fields@state.nm.us) jeffcblagg@aol.com; blagg_niv@yahoo.com; Garifalos, Erin BP Pit Close Notification - ELLIOTT GAS COM R 001E Thursday, October 05, 2017 3:23:23 PM

> BP America Production Company 200 Energy Court Farmington, NM 87401 Phone: (505) 326-9200

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

October 5, 2017

From:

Subject: Date:

To:

Cc:

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

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

ELLIOTT GAS COM R 001E API 30-045-24383 (C) Section 34– T30N – R09W San Juan County, New Mexico

Dear Mr. Cory Smith and Mrs. Vanessa Fields,

In regards to the captioned subject and requirements of the NMOCD pit rule, this letter is notification that BP is planning to close a 95bbl BGT that will no longer be operational at this well site. We anticipate this work to start on or around October 10, 2017.

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

Sincerely,

Erin Garifalos

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



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

CLIENT: BP	API #:								
FIELD REPORT:	(circle one): BGT CONFIRMAT	ION / RELEASE INVESTIGA	tion / other:		PAGE #:1 of1				
SITE INFORMATION QUAD/UNIT: C SEC: 34 TWP:	30N RNG: 9W	PM: NM CNTY:	SJ ST:	NM	DATE STARTED: 10/16/17 DATE FINISHED:				
LEASE #: SF078139									
REFERENCE POINT 1) 95 BGT (SW/DB) 2) 3)	GPS COORD.:		7090 dis	TANCE/BEAF	GL ELEV.: 5,761' RING FROM W.H.: 120', N89.5E RING FROM W.H.:				
4)	GPS COORD.:		DIS	STANCE/BEAF	RING FROM W.H.:				
SAMPLE ID: 5PC - TB @ 6' 2) SAMPLE ID:	SAMPLE DATE:	IO/16/17 SAMPLE TIME:	LAB ANALYSIS: LAB ANALYSIS: LAB ANALYSIS:						
SOIL DESCRIPTION: SOIL TYPE: SAND_SILTY SAND SILT / SILTY CLAY / CLAY / GRAVEL / OTHER SOIL COLOR: DARK YELLOWISH ORANGE PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC COHESION (ALL OTHERS): NON COHESIVE SLIGHTLY COHESIVE / COHESIVE / COHESIVE / IGHLY COHESIVE / IGHLY COHESIVE / IGHLY COHESIVE / COHESIVE / IGHLY COHESIVE / COHESIVE / LAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC CONSISTENCY (NON COHESIVE SOILS): LOOSE FIRM / DENSE / VERY DENSE MOISTURE: DRY / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATED DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD MOISTURE: DRY / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATED MONSTURE: SOIL STIP / SUPER SATURATED DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD SAMPLE TYPE: GRAB / COMPOSITE # OF PTS. 5 ANY AREAS DISPLAYING WETNESS: YES NO EXPLANATION- DISCOLORATION/STAINING OBSERVED: YES NO EXPLANATION- MON EXPLANATION- SITE OBSERVATIONS: LOST INTEGRITY OF EQUIPMENT: YES NO EXPLANATION- ANY AREAS DISPLANATION- APPARENT EVIDENCE OF A RELEASE OBSERVED AND/OR OCCURRED : YES NO EXPLANATION: EQUIPMENT SET OVER RECLAIMED AREA: YES NO EXPLANATION - EQUIPMENT SET OVER RECLAIMED AREA: YES NO EXPLANATION - 105 BBL SHALLOW									
OTHER: <u>MMOCD OR BLM NOT PRESEN</u> EXCAVATION DIMENSION ESTIMATION: DEPTH TO GROUNDWATER: <100' N	NAft. XN	IA ft. X NA	-		IMATION (Cubic Yards) : <u>NA</u> D TPH CLOSURE STD: <u>100</u> ppm				
NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATIO		PROD. TANK PBGTL T.B. ~ 6' B.G. COMPRESSOR	K - S.P.		BGT Sidewalls Visible: Y / N BGT Sidewalls Visible: Y / N BGT Sidewalls Visible: Y / N				
T.B. = TANK BOTTOM; PBGTL = PREVIOUS BEL APPLICABLE OR NOT AVAILABLE; SW-SINGLE NOTES: GOOGLE EARTH IMAGE	WALL; DW - DOUBLE WALL; SB - SINGL		Л.	M	agnetic declination: 10° E				

Analytical	Report
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Lab Order 1710880

Date Reported: 10/19/2017

Hall Environmental Analysis Laboratory, Inc.

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

 Project:
 ELLIOTT GC R #1E
 Collection Date: 10/16/2017 1:15:00 PM

 Lab ID:
 1710880-001
 Matrix: SOIL
 Received Date: 10/17/2017 6:50:00 AM

 Analyses
 Result
 POL
 Oual
 Units
 DF
 Date Analyzed

Analyses	Result	PQL Qua	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	CJS
Chloride	ND	30	mg/Kg	20	10/17/2017 12:18:53 PN	1 34438
EPA METHOD 8015M/D: DIESEL RANGE		6			Analyst:	том
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	10/17/2017 10:12:26 AN	1 34435
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	10/17/2017 10:12:26 AN	1 34435
Surr: DNOP	91.1	70-130	%Rec	1	10/17/2017 10:12:26 AN	1 34435
EPA METHOD 8015D: GASOLINE RANG	ε				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	3.7	mg/Kg	1	10/17/2017 11:49:39 AN	I G46399
Surr: BFB	90.0	54-150	%Rec	1	10/17/2017 11:49:39 AN	G46399
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.019	mg/Kg	1	10/17/2017 11:49:39 AM	B46399
Toluene	ND	0.037	mg/Kg	1	10/17/2017 11:49:39 AM	B46399
Ethylbenzene	ND	0.037	mg/Kg	1	10/17/2017 11:49:39 AM	B46399
Xylenes, Total	ND	0.075	mg/Kg	1	10/17/2017 11:49:39 AM	B46399
Surr: 4-Bromofluorobenzene	92.4	66.6-132	%Rec	1	10/17/2017 11:49:39 AM	B46399

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-c	of-Cus	stody Record	Turn-Around T	ime:	SAME					44		E	NV	TE	20	NI	ME	NT		
Client:	BLAG	G ENGR.	/ BP AMERICA	Standard	Rush _	DAY)			F										ATC		
				Project Name:																	
Mailing Ac	ddress:	P.O. BO	X 87	ELLIOTT GC R # 1E				4901 Hawkins NE - Albuquerque, NM 87109													
		BLOOM	FIELD, NM 87413	Project #:			Tel. 505-345-3975 Fax 505-345					45-4107									
Phone #:		(505) 63	2-1199				Analysis Request					1911) 1911) 1911)									
email or F	ax#:			Project Manag	ler:													Ŧ			T
QA/QC Pad	ckage:				NELSON VI	FI 67	6	()	Q					SO4	PCB's			300.1)			
Standa	ard		Level 4 (Full Validation)				MB ¹ 5 (8021B)	luos	/ MRO)			(SV		PO	2 PC			ter -			e
Accreditat	ion:			Sampler: NELSON VELEZ 97 V				(Ga:	DRO /	1)	1	OSIN		102	808			/ wa			du
		Other			Vzicios 2 anti-		HAT	HdT	0/1	418	504	827	5	03,1	Se /		(YC	00.0			ie so
	ype)	1			erature (.6			3E +	(GR	por	pou) or	etal	CI,N	icide	(A)	i-V(011 - 3		e	osit
Date	Time	Matrix	Sample Request ID	Type and #	Preservative Type	HEAL No	BTEX + MH	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO /	TPH (Method 418.1)	EDB (Method 504.1)	PAH (8310 or 8270SIMS)	RCRA 8 Metals	Anions (F,Cl,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides / 8082	8260B (VOA)	8270 (Semi-VOA)	Chloride (soil - 300.0 / water -		Grab sample	5 pt. composite sample
10/16/17	1315	SOIL	SPC - TB @ 6 '(95)	4 oz 1	Cool	201	V		V		_	_	_					V		-	V
			~															-		-	
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Date:	Time:	Relinguish	ed by:	Received by:		Date Time	Rem	arks	:	BILL	DIREC	TLYT	O BP	USING	THE	CONT	ACTV	VITH	CORRE	SPON	DING V
10/16/17		9	Theilt	Page My 11	10-10	7/14/17 1740				& RE	FEREN	ICE #	WHE	N APP	LICAL	BLE;					
Date:	174D Time:	Relinguish	ed by:	Received by:		Date Time	C			ERIN				/ VA	NCE	HIXC	DN				
10/1/2	10.11	MAN	tili hor l		h 10.	1/7//7	Ret	eren				810	•								
11411	If necessa	ry, samples s	ubmitted to Hall Environmental may be s	ubcontracted to other	accredited laboratorie	es. This serves as notice o		_				-	data	vill be	clearly	/ notal	ted on	the an	alytica	геро	rt.

Hall Environmental Analysis Laboratory, Inc.

Client:Blagg EngineeringProject:ELLIOTT GC R #1E

3				
Sample ID MB-34438	SampType: mblk	TestCode: EPA Method	300.0: Anions	
Client ID: PBS	Batch ID: 34438	RunNo: 46401		
Prep Date: 10/17/2017	Analysis Date: 10/17/2017	SeqNo: 1479260	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			
Sample ID LCS-34438	SampType: Ics	TestCode: EPA Method	300.0: Anions	
Client ID: LCSS	Batch ID: 34438	RunNo: 46401		
Prep Date: 10/17/2017	Analysis Date: 10/17/2017	SeqNo: 1479261	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	14 1.5 15.00	0 95.5 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

Page 2 of 5

WO#: 1710880 19-Oct-17

Hall Environmental Analysis Laboratory, Inc.

Client:Blagg EngineeringProject:ELLIOTT GC R #1E

Sample ID LCS-34435	SampTy	/pe: LC	S	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: LCSS	Batch	ID: 344	435	F	RunNo: 4	6391				
Prep Date: 10/17/2017	Analysis Da	ate: 10)/17/2017	S	SeqNo: 1	478054	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	89.2	73.2	114			
Surr: DNOP	4.0		5.000		79.3	70	130			
Sample ID MB-34435	SampTy	pe: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: PBS		/pe: ME			tCode: El RunNo: 4		8015M/D: Di	esel Rang	e Organics	
		ID: 344	435	F		6391	8015M/D: Di Units: mg/H		e Organics	
Client ID: PBS	Batch	ID: 344	435)/17/2017	F	RunNo: 4	6391			e Organics RPDLimit	Qual
Client ID: PBS Prep Date: 10/17/2017 Analyte	Batch Analysis Da	ID: 344 ate: 10	435)/17/2017	F	RunNo: 4 GeqNo: 1	6391 478055	Units: mg/ŀ	(g	-	Qual
Client ID: PBS Prep Date: 10/17/2017	Batch Analysis Da Result	ID: 34 4 ate: 10 PQL	435)/17/2017	F	RunNo: 4 GeqNo: 1	6391 478055	Units: mg/ŀ	(g	-	Qual

Qualifiers:

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

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WO#: 1710880

19-Oct-17

Hall Environmental Analysis Laboratory, Inc.

Client: Blagg Engineering

Chieffer	21188 21810118					
Project:	ELLIOTT GC R #1E					

Sample ID RB	SampT	SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range									
Client ID: PBS	Batch	Batch ID: G46399 RunNo: 46399				6399					
Prep Date:	Analysis Date: 10/17/2017 Se			SeqNo: 14	No: 1478821 Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	ND	5.0									
Surr: BFB	960		1000		96.3	15	316				
Sample ID 2.5UG GRO LCS	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e		
Sample ID 2.5UG GRO LCS Client ID: LCSS		Type: LC			tCode: EF		8015D: Gaso	line Rang	e		
		h ID: G4		R		6399	8015D: Gaso Units: mg/K		e		
Client ID: LCSS	Batch	h ID: G4	6399)/17/2017	R	RunNo: 40	6399			e RPDLimit	Qual	
Client ID: LCSS Prep Date:	Batch Analysis D	h ID: G4 Date: 10	6399)/17/2017	F	RunNo: 40 GeqNo: 14	6399 478822	Units: mg/K	íg		Qual	

Qualifiers:

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

WO#: 1710880 19-Oct-17

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Hall	Environmental	Analysis	Laboratory,	Inc.
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WO#: 1710880

19-Oct-17

	agg Engineering LIOTT GC R #1E									
Sample ID RB	SampTyp	e: MI	BLK	Tes	tCode: E	PA Method	8021B: Volat	tiles		
Client ID: PBS	Batch II	D: B4	16399	F	RunNo: 4	6399				
Prep Date:	Analysis Date	e: 1	0/17/2017	5	SeqNo: 1	478842	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-Bromofluorobenzen	e 1.0		1.000		101	66.6	132			
Sample ID 100NG BT	EX LCS SampTyp	e: LC	s	Tes	tCode: E	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batch II): B4	6399	F	RunNo: 4	6399				
Prep Date:	Analysis Date	e: 10	0/17/2017	S	SeqNo: 1	478843	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94 (0.025	1.000	0	94.0	80	120			
Toluene	0.95	0.050	1.000	0	95.1	80	120			
Ethylbenzene	0.98 0	0.050	1.000	0	97.7	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.6	80	120			
Surr: 4-Bromofluorobenzen	e 1.0		1.000		102	66.6	132			

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
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- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental Albu TEL: 505-345-3975 Website: www.ha	4901 uquerqu FAX: 5	Hawkin e, NM 8 05-345-	s NE 7109 Sam 4107	ple Log-In C	check List
Client Name: BLAGG	Work Order Number:	1710	880		RcptNo:	1
Received By: Anne Thorne Completed By: Anne Thorne	10/17/2017 6:50:00 AN 10/17/2017 7:40:20 AN			Arre Hanna	-	
Reviewed By: SRE 10/17/1	7					
Chain of Custody						
1. Custody seals intact on sample bottles?		Yes		No 🗌	Not Present	
2. Is Chain of Custody complete?		Yes	V	No	Not Present	
3. How was the sample delivered?		Cour	ier -			
Log In						
4. Was an attempt made to cool the samples?		Yes	\checkmark	No 🗌	NA 🗌	
5. Were all samples received at a temperature	of >0° C to 6.0°C	Yes	\checkmark	No 🗌	NA 🗀	
6. Sample(s) in proper container(s)?		Yes		No 🗌		
7. Sufficient sample volume for indicated test(s)	?	Yes	V	No 🗌		
8. Are samples (except VOA and ONG) property	y preserved?	Yes	\checkmark	No 🗆		
9. Was preservative added to bottles?		Yes		No	NA 🗆	
10.VOA vials have zero headspace?		Yes		No 🗌	No VOA Vials 🗹	
11. Were any sample containers received broke	n?	Yes		No 🗹	# of preserved	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes		No 🗆	bottles checked for pH:	or >12 unless noted)
13. Are matrices correctly identified on Chain of	Custody?	Yes	\checkmark	No 🗌	Adjusted?	
14. Is it clear what analyses were requested?		Yes	\checkmark	No 🗌		
 Were all holding times able to be met? (If no, notify customer for authorization.) 		Yes		No 🗌	Checked by:	
Special Handling (if applicable)						
16. Was client notified of all discrepancies with the	is order?	Yes		No 🗌	NA 🗹	
Person Notified: By Whom: Regarding: Client Instructions:	Date Via:	eMa	il [] f	Phone 🗌 Fax	In Person	
17. Additional remarks:				10 g teaning of		_
18. <u>Cooler Information</u> <u>Cooler No</u> Temp °C Condition Set 1 1.0 Good Yes	al Intact Seal No S	Seal Da	te	Signed By		
Page 1 of 1						

