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

c.

State of New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-144 Revised April 3, 2017

For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office. For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

<u>Pit, Below-Grade Tank, or</u> Proposed Alternative Method Permit or Closure Plan Application
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, 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 or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances
I. Operator: BP America Production Company OGRID #: 778 Address: 200 Energy Court, Farmington, NM 87401 OGRID #: 778
Facility or well name: GCU 156E API Number: 3004526234 U/L or Qtr/Qtr L Section 26 Township 28N Range 13W County: San Juan Center of Proposed Design: Latitude 36.63117 Longitude Surface Owner: Federal State Private Tribal Tribal Tribal Allotment
2. MAY U 9 2018 Pit: Subsection F, G or J of 19.15.17.11 NMAC X Release Confirmed Addressel Temporary: Drilling Workover U STRICT Permanent Emergency Cavitation P&A Multi-Well Fluid Management Low Chloride Drilling Fluid yes Lined Unlined Liner type: Thickness mil LLDPE HDPE PVC Other String-Reinforced Liner Seams: Welded Factory Other volume: bbl Dimensions: L x W x D
Below-grade tank: Subsection I of 19.15.17.11 NMAC TANK B Volume: 21 bbl Type of fluid: Produced Water
Tank Construction material: Steel Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls and liner Visible sidewalls only Other Single wall/ Double bottom; sidewalls not visible Liner type: Thickness mil
 Alternative Method: Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.
 5. Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks) Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution or church) Four foot height, four strands of barbed wire evenly spaced between one and four feet Alternate. Please specify
Form C-144 Oil Conservation Division Page 1 of 6

 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 							
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 accept 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. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells 	☐ Yes ☐ No ☐ NA						
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	□ Yes □ No □ 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							
 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 							
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 								
 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 19.15.17.12 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	ouments are 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 do 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 A List of wells with approved application for permit to drill associated with the pit. Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19 and 19.15.17.13 NMAC Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC								
 Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Previously Approved Design (attach copy of design) API Number: 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 attached.	documents are
 Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Climatological Factors Assessment 	
 Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC 	
 Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC Quality Control/Quality Assurance Construction and Installation Plan 	
 Quality Control/Quality Assurance Construction and Installation Plan Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC 	
 Nuisance or Hazardous Odors, including 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 Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC 	
^{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 F	luid Management Pit
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	attached to the
closure plan. Please indicate, by a check mark in the box, that the documents are attached. Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection 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	
15.	
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable sour provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. F 19.15.17.10 NMAC for guidance.	
 Ground water is less than 25 feet below the bottom of the buried waste. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells 	□ Yes □ No □ NA
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	□ Yes □ No □ NA
 Ground water is more than 100 feet below the bottom of the buried waste. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells 	□ Yes □ No □ 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	
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adopted pursuant to NMSA 1978, Section 3-27-3, as amended. • Written confirmation or verification from the municipality; Written approval obtained from the municipality	🗌 Yes 🗌 No							
 Within the area overlying a subsurface mine. Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division 								
 Within an unstable area. Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 								
Within a 100-year floodplain.	Yes No							
- 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 play a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17. Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19. Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC 	11 NMAC 15.17.11 NMAC							
17. 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	ef.							
Name (Print): Title:								
Signature: Date:								
e-mail address:Telephone:								
18. OCD Approval: Permit Application (including closure plan) Closure-Plan (only) OCD Conditions (see attachment)								
OCD Representative Signature: Approval Date:	6/18							
Title: Environmental Spec. OCD Permit Number:								
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 implementing any closure activities and submitting The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not section of the form until an approved closure plan has been obtained and the closure activities have been completed.	the closure report. complete this							
Closure Completion Date: 3/8/2018								
 20. Closure Method: Waste Excavation and Removal On-Site Closure Method Alternative Closure Method Waste Removal (Closed-lo If different from approved plan, please explain. 	op systems only)							

Oil Conservation Division

22. Operator Closure Certification:

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

Name (Print): Erin Garifalos

Signature:

Title: Field Environmental Coordinator

erin garifalos

Date: May 3, 2018

e-mail address: erin.garifalos@bp.com

Telephone: (832) 609-7048

BP AMERICA PRODUCTION COMPANY SAN JUAN BASIN, NORTHWEST NEW MEXICO

BELOW-GRADE TANK CLOSURE PLAN

GCU 156E

API No. 3004526234

Unit Letter L Section 26 T 28N R 13W

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
	21 bbl BGT	(mg/Kg)	results
Benzene	US EPA Method SW-846 8021B or 8260B	10	< 0.017
Total BTEX	US EPA Method SW-846 8021B or 8260B	50	38
TPH	US EPA Method SW-846 418.1 or 8015 extended	100	2570
Chlorides	US EPA Method 300.0 or 4500B	620	370

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, except TPH and BTEX. The release will be addressed following the spill and release guidelines. The field report and laboratory reports are attached.

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

C-141 is attached.

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

Sampling results indicate a release has occurred and will be addressed following the spill and release guidelines. 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 occurred and will be addressed following the spill and release guidelines. 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 BGT location's surface condition will be clear of any surface equipment, but remain within the operational area of the well pad. 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 BGT location's surface condition will be clear of any surface equipment, but remain within the operational area of the well pad. 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 BGT location's surface condition will be clear of any surface equipment, but remain within the operational area of the well pad. 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 BGT location's surface condition will be clear of any surface equipment, but remain within the operational area of the well pad. 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 BGT location's surface condition will be clear of any surface equipment, but remain within the operational area of the well pad. 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

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.

Release Notification and Corrective Action OPERATOR Initial Report **Final Report** Name of Company BP America Production Company Contact Erin Garifalos Address 200 Energy Court, Farmington, NM 87401 Telephone No. (832) 609-7048 Facility Name GCU 156E Facility Type: Natural Gas Well API No. 3004526234 Surface Owner: Indian Mineral Owner: Indian LOCATION OF RELEASE Feet from the North/South Line Feet from the East/West Line County Unit Letter Section Township Range San Juan 1,850 790 2628N South West 13W Latitude 36.63117 Longitude -108.19533 NAD83 NATURE OF RELEASE Type of Release:: none Volume of Release: : unknown Volume Recovered: : N/A Source of Release: below grade tank - 21 bbl Date and Hour of Occurrence: Date and Hour of Discovery: n/a n/a Was Immediate Notice Given? If YES, To Whom? Yes V No Not Required By Whom? Date and Hour Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. Yes 🗸 No If a Watercourse was Impacted, Describe Fully.* Describe Cause of Problem and Remedial Action Taken.* Sampling of the soil beneath the BGT was done during removal. Soil analysis resulted for Chlorides, BTEX, and TPH below BGT closure standards, except TPH and BTEX. The release will be addressed following the spill and release guidelines. Field reports and laboratory results are attached. Describe Area Affected and Cleanup Action Taken.* Final laboratory analysis attached. 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. OIL CONSERVATION DIVISION erin garifalas Signature: Approved by Environmental Specialist: Printed Name: Erin Garifalos Title: Field Environmental Coordinator Approval Date: **Expiration Date:** E-mail Address: erin.garifalos@bp.com Conditions of Approval: Attached Date: May 3, 2018 Phone: (832) 609-7048 * Attach Additional Sheets If Necessary

#NCS/18/303 0556

bp



BP America Production Company 380 Airport Road Durango, CO 81303

March 2, 2018

Sam L Begay PO Box 573 Fruitland, NM 87416-0573

Re: Notification of plans to close/remove a below grade tank Well Name: GALLEGOS CANYON UNIT 156E

Dear Mr. Begay,

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 6, 2018. If there aren't any unforeseen problems, the work should be completed within 10 working days.

Sincerely,

Erin Garifalos

BP America Production Company

From: To: Cc: Subject: Date: 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 - GALLEGOS CANYON UNIT 156E Friday, March 02, 2018 8:35:38 AM

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

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

March 2, 2018

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

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

GALLEGOS CANYON UNIT 156E API 30-045-26234 (L) Section 26 – T28N – R13W San Juan County, New Mexico

Dear Mr. Cory Smith and Mrs. Vanessa Fields,

In regards to the captioned subject and requirements of the NMOCD pit rule, this letter is notification that BP is planning to close a 21bbl BGT that will no longer be operational at this well site. We anticipate this work to start on or around March 6, 2018.

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

Sincerely,

Erin Garifalos

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

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

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CLIENT: BP	BLAGG ENGINI P.O. BOX 87, BLOOM	MFIELD, NM 87413	API #: 3004526234			
	(505) 632-1199					
FIELD REPORT:	(circle one): BGT CONFIRMATION / RELEASE	EINVESTIGATION / OTHER:	PAGE #: of			
SITE INFORMATION	SITE NAME: GCU #156E		DATE STARTED: 03/06/18			
QUAD/UNIT: L SEC: 26 TWP:	28N RNG: 13W PM: NM	CNTY: SJ ST: NM	DATE FINISHED:			
1/4 -1/4/FOOTAGE: 1,850'S / 79	W NW/SW LEASE TYPE: FE		ENVIRONMENTAL			
LEASE #: 1-149-IND-8472	PROD. FORMATION: DK CONTRACT	STRIKE TOR: BP - J. GONZALES	SPECIALIST(S): NJV			
REFERENCE POINT		36.63107 X 108.19482	GL ELEV.: 6.076'			
1) 21 BGT (SW/DB)			ARING FROM W.H.: 156', N77.5W			
2)	GPS COORD.:	DISTANCE/BE	ARING FROM W.H.:			
3)	GPS COORD.:	DISTANCE/BE	ARING FROM W.H.:			
4)	GPS COORD.:	DISTANCE/BE	ARING FROM W.H.:			
SAMPLING DATA:	CHAIN OF CUSTODY RECORD(S) # OR LAB USE		OVM READING (ppm)			
1) SAMPLE ID: 5PC - TB @ 6'	21) SAMPLE DATE: 03/06/18 SA	MPLE TIME: 1015 LAB ANALYSIS: 80	15B/8021B/300.0 (CI) 3,323			
	SAMPLE DATE: SA					
	SAMPLE DATE: SA					
5) SAMPLE ID:	SAMPLE DATE: SA					
SOIL DESCRIPTION	SOIL TYPE: SAND SILTY SAND SILT / SILT /					
COHESION (ALL OTHERS): NON COHESIVE (SLIGHTL' CONSISTENCY (NON COHESIVE SOILS): LC MOISTURE: DRY (SLIGHTLY MOIST MOIST) W SAMPLE TYPE: GRAB COMPOSITE # DISCOLORATION/STAINING OBSERVED: YES N SITE OBSERVATION APPARENT EVIDENCE OF A RELEASE OBSERVE EQUIPMENT SET OVER RECLAIMED AREA:	COHESIVE COHESIVE / HIGHLY COHESIVE DENSITY OSE FIRM DENSE / VERY DENSE HC ODOR CT / SATURATED / SUPER SATURATED OF PTS. 5 ANY AREA O EXPLANATION - MEDIUM GRAY BENEATH S NO LOST INTEGRITY OF EQUIPMENT: YES NO EXPLANATION: 1	(COHESIVE CLAYS & SILTS): SOFT / FIRM DETECTED: YES NO EXPLANATION - DIS AS DISPLAYING WETNESS: YES NO EXPLA BGT. EXPLANATION - BGT BOTTOM CREAS DISCOLORED SOILS & STRONG APP	WATION			
EXCAVATION DIMENSION ESTIMATION: DEPTH TO GROUNDWATER: >100' N	ft. X ft. X EAREST WATER SOURCE: >1,000' NEARES		TIMATION (Cubic Yards) : CD TPH CLOSURE STD: 1,000 ppm			
SITE SKETCH			CD TPH CLOSURE STD: 1,000 ppm			
	PROD. TANK	TO W.H. TEST HOLE; ~= APPROX; WH. = WELL HEAD;	MCALIB. GAS = 100pm IE: 101:20 IB: 03/06/18 MISCELL. NOTES NO: REF #: P-935 VID: VHIXONEVB2 PJ #: Permit date(s): 06/08/10 DCD Appr. date(s): 03/07/17 ank OVM = Organic Vapor Meter D ppm = parts per million B BGT Sidewalls Visible: Y / N BGT Sidewalls Visible: Y / N BGT Sidewalls Visible: Y / N			
	DW-GRADE TANK LOCATION; SPD = SAMPLE POINT DESIGN WALL; DW - DOUBLE WALL; SB - SINGLE BOTTOM; DB - DO		Magnetic declination: 10° E			
NOTES: GOOGLE EARTH IMAG		ONSITE: 03/06/18				

revised: 11/26/13

Analytical	Report
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Lab Order 1803329

Date Reported: 3/8/2018

Hall Environmental Analysis Laboratory, Inc.

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CLIENT: Blagg EngineeringClient Sample ID: 5PC-TB @ 6' (21)Project: GCU 156ECollection Date: 3/6/2018 10:15:00 AMLab ID: 1803329-001Matrix: SOILReceived Date: 3/7/2018 7:00:00 AMAnalysesResultPOL Qual UnitsDF Date Analyzed

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CJS
Chloride	370	30	mg/Kg	20	3/7/2018 11:59:03 AM	36886
EPA METHOD 8015D MOD: GASOL	INE RANGE				Analyst	: AG
Gasoline Range Organics (GRO)	2200	35	mg/Kg	10	3/7/2018 11:13:47 AM	G49610
Surr: BFB	110	70-130	%Rec	10	3/7/2018 11:13:47 AM	G49610
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS	6			Analyst	: TOM
Diesel Range Organics (DRO)	370	9.2	mg/Kg	1	3/7/2018 11:24:29 AM	36884
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	3/7/2018 11:24:29 AM	36884
Surr: DNOP	94.3	70-130	%Rec	1	3/7/2018 11:24:29 AM	36884
EPA METHOD 8260B: VOLATILES S	SHORT LIST				Analyst	: AG
Benzene	ND	0.17	mg/Kg	10	3/7/2018 11:13:47 AM	R49610
Toluene	ND	0.35	mg/Kg	10	3/7/2018 11:13:47 AM	R49610
Ethylbenzene	ND	0.35	ing/Kg	10	3/7/2018 11:13:47 AM	R49610
Xylenes, Total	38	0.69	mg/Kg	10	3/7/2018 11:13:47 AM	R49610
Surr: 4-Bromofluorobenzene	107	70-130	%Rec	10	3/7/2018 11:13:47 AM	R49610
Surr: Toluene-d8	97.6	70-130	%Rec	10	3/7/2018 11:13:47 AM	R49610

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Ал
	D	Sample Diluted Due to Matrix	E	Va
	Н	Holding times for preparation or analysis exceeded	J	An
	ND	Not Detected at the Reporting Limit	Р	Sa
	H ND	Holding times for preparation or analysis exceeded	L J P	

- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 5
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

CI	hain-o	of-Cus	stody Record	Turn-Around	Time:	SAME	Ι.			ы	A I 1		N	/TE	20	NI	ME	NT	*A1	1	
Client:	BLAG	G ENGR.	/ BP AMERICA	Standard	(☑ Rush _	DAY)												ATC			
			,	Project Name					1		ww.								•		
Mailing A	ddress:	P.O. BO	X 87	1	GCU # 15	6E		49	01 H	awki								9			
	10-01-01	BLOOM	FIELD, NM 87413	Project #:						5-345					-345						
Phone #:		(505) 63	2-1199	1 .			Analysis Request														
email or l	Fax#:			Project Mana	ger:								4)				300.1)		Т	T	
QA/QC Pa	-		Level 4 (Full Validation)		ERIN GARI	FALOS	TMB ^I S (8021B)	(vino s	/ MRO)		121		PO4,SO	/ 8082 PCB's			water - 30(e	
Accredita	tion:			Sampler:	NELSON V	ELEZ	9 1 8) 9	(Ga	ORO	न			VO2,	8082						sample	
				and the second state of th	the second division of	E No		TPH	10	418	504 877	s	03,	es /		(YO	300.0 /			te sa	or N)
	Туре)	1			erature 3.440	Flo=2.4	*	BE +	(GR	poc	od od	etal	C,N	icide	(A)	i-V			e	isoc	S (V
Date	Time	Matrix	Sample Request ID	To3loli Container Type and #	Preservative Type	HEALNO 1801329	BTEX +-MTBE	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO	TPH (Method 418.1)	EDB (Method 504.1) DAH (8310 or 82705[MS)	RCRA 8 Metals	Anions (F,Cl,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides	8260B (VOA)	8270 (Semi-VOA)	Chloride (soil			5 pt. composite	Air Bubbles (Y or N)
3/6/18	1015	SOIL	5РС-ТВ @ 6 (21)	4 oz 1	Cool	-00	V		V								V			V	-
										-		1.							+	+	-
										-	+	1							\uparrow		-
										+		+							\uparrow	+	
										+	+	1	1						+	+	_
		1			· · · · · · · · · · · · · · · · · · ·					-		1							\uparrow	+	
										+	-	-	-						1	+	_
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										-									\uparrow	+	
											+										
Date: 3/6/18	Time: 1450	Relinquish	In VI	Received by:	Walk .	Date Time	Rem			BILL DI & REFE ERIN	RENCE	# WHE	N APP	LICAL	BLE;		VITH C	ORRES	PONE	DINGV	1D
Date: 3/6/18	Time:	Relingaish	And Walt	Received by.	- hu	Date Time 3/07/8 MCO			VID:	VHIX		B2									
	If necessary	, samples sub	mitted to Hall Environmental may be su	bcontracted to other	accredited laboratorie	es. This serves as notice of	of this p	possib	oility. A	Any sub	-contra	ted da	a will	be clea	arly no	tated	on the	analytic	cal rep	port.	

WO#: 1803329 08-Mar-18

Hall Environmental	Analysis	Laboratory,	Inc.
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Client: Blagg Engineering **Project:** GCU 156E

Sample ID MB-36886	SampType: mblk	TestCode: EPA Method				
Client ID: PBS	Batch ID: 36886	RunNo: 49611				
Prep Date: 3/7/2018	Analysis Date: 3/7/2018	SeqNo: 1604728	Units: mg/Kg			
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual		
Chloride	ND 1.5					
Sample ID LCS-36886	SampType: Ics TestCode: EPA Method 300.0: Anions					
Client ID: LCSS	Batch ID: 36886	RunNo: 49611				
Prep Date: 3/7/2018	Analysis Date: 3/7/2018	SeqNo: 1604730	Units: mg/Kg			
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual		
Chloride	15 1.5 15.00	0 101 90	110			

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

Client: Project:

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Blagg Engineering GCU 156E

Sample ID LCS-36884	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 36884	RunNo: 49601						
Prep Date: 3/7/2018	Analysis Date: 3/7/2018	SeqNo: 1603591 Units: mg/Kg						
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual						
Diesel Range Organics (DRO)	48 10 50.00	0 95.0 70 130						
Surr. DNOP	3.8 5.000	75.8 70 130						
Sample ID MB-36884	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 36884 RunNo: 49601							
Prep Date: 3/7/2018	Analysis Date: 3/7/2018 SeqNo: 1603592 Units: mg/Kg							
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual						
Diesel Range Organics (DRO)	ND 10							
Notor Oil Range Organics (MRO)	ND 50							
Surr: DNOP	8.6 10.00	86.4 70 130						
Sample ID LCS-36874	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 36874 RunNo: 49601							
Prep Date: 3/6/2018	Analysis Date: 3/7/2018	SeqNo: 1604369 Units: %Rec						
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual						
Surr: DNOP	4.1 5.000	81.5 70 130						
Sample ID MB-36874	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 36874	RunNo: 49601						
Prep Date: 3/6/2018	Analysis Date: 3/7/2018	SeqNo: 1604370 Units: %Rec						
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual						
Surr: DNOP	8.7 10.00	86.7 70 130						

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Н 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
- В Analyte detected in the associated Method Blank
- Ε Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL **Reporting Detection Limit**
- w Sample container temperature is out of limit as specified

WO#: 1803329

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Hall Environmental Analysis Laboratory, Inc.

Client:Blagg EngineeringProject:GCU 156E

Sample ID 100ng Ics	SampT	ype: LC	S4	TestCode: EPA Method 8260B: Volatiles Short List						
Client ID: BatchQC	Batch ID: R49610			RunNo: 49610						
Prep Date:	Analysis Date: 3/7/2018			SeqNo: 1603856			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.4	80	120			
Toluene	0.93	0.050	1.000	0	93.1	80	120			
Ethylbenzene	0.91	0.050	1.000	0	91.4	80	120			
Xylenes, Total	2.7	0.10	3.000	0	90.0	80	120			
Surr: 4-Bromofluorobenzene	0.45		0.5000		90.5	70	130			
Surr: Toluene-d8	0.48		0.5000		96.2	70	130			
Sample ID rb	SampType: MBLK TestCode: EPA Method 8260B: Volatiles Short List									
		11								
Client ID: PBS		1 ID: R4		R	unNo: 4	9610				
Client ID: PBS Prep Date:		n ID: R4	9610		unNo: 4 eqNo: 1		Units: mg/K	g		
	Batch	n ID: R4	9610 7/2018				Units: mg/K HighLimit	g %RPD	RPDLimit	Qual
Prep Date:	Batch Analysis D	a ID: R4	9610 7/2018	S	eqNo: 1	603862		-		Qual
Prep Date: Analyte Benzene	Batch Analysis D Result	Date: 3/ PQL	9610 7/2018	S	eqNo: 1	603862		-		Qual
Prep Date: Analyte Benzene Toluene	Batch Analysis D Result ND	Date: 3/ PQL 0.025	9610 7/2018	S	eqNo: 1	603862		-		Qual
Prep Date: Analyte Benzene Toluene Ethylbenzene	Batch Analysis D Result ND ND	Date: 3/ PQL 0.025 0.050	9610 7/2018	S	eqNo: 1	603862		-		Qual
Prep Date: Analyte	Batch Analysis D Result ND ND ND	Date: 3/ PQL 0.025 0.050 0.050	9610 7/2018	S	eqNo: 1	603862		-		Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
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Hall Environmental Analysis Laboratory, Inc.

Client: Blagg Engineering Project: GCU 156E

Sample ID 2.5ug gro Ics	SampType: LCS Batch ID: G49610 Analysis Date: 3/7/2018			TestCode: EPA Method 8015D Mod: Gasoline Range						
Client ID: LCSS				RunNo: 49610						
Prep Date:				SeqNo: 1603853			Units: mg/h	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	112	70	130			
Surr: BFB	510	-	500.0		103	70	130			
Sample ID rb	Sampl	ype: ME	BLK	Tes	tCode: Ei	PA Method	8015D Mod:	Gasoline	Range	
Sample ID rb Client ID: PBS	•	ype: ME			tCode: Ei RunNo: 4		8015D Mod:	Gasoline	Range	
·	•	n ID: G4	9610	F		9610	8015D Mod: Units: mg/F		Range	
Client ID: PBS	Batcl	n ID: G4	9610 7/2018	F	RunNo: 4 SeqNo: 1	9610			Range RPDLimit	Qual
Client ID: PBS Prep Date:	Batcl Analysis E	n ID: G4 Date: 3/	9610 7/2018	F	RunNo: 4 SeqNo: 1	9610 603854	Units: mg/H	(g	•	Qual

Qualifiers:

- ٠ Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
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- Ρ Sample pH Not In Range
- RL **Reporting Detection Limit**
- w Sample container temperature is out of limit as specified

1803329

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WO#:

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HALL ENVIRONMENTAL ANALYSIS LABORATORY	Ai TEL: 505-345-39	al Analysis Labora 4901 Hawkins Ibuquerque, NM 87 75 FAX: 505-345-4 hallenvironmental.	NE 109 Sam	nple Log-In C	heck List
Client Name: BLAGG	Work Order Numbe	er: 1803329		RcptNo	1
* x					
Received By: Anne Thome	3/7/2018 7:00:00 AM		anni Han		
Completed By: Anne Thorne	3/7/2018 7:28:49 AM	l,	ame Am	-	
Reviewed By:	3 7 18	. ^b aha		, ,	
Chain of Custody					
1. Is Chain of Custody complete?		Yes 🗹	No 🗌	Not Present	
2. How was the sample delivered?		Courier			
Log In	-			8	
3. Was an attempt made to cool the samples	?	Yes 🗹	No 🗌	NA 🗌	
4. Were all samples received at a temperature	e of >0° C to 6.0°C	Yes 🗹	No 🗌		÷.,
5. Sample(s) in proper container(s)?		Yes 🗹	No 🗌		
6. Sufficient sample volume for indicated test	(5)?	Yes 🗹	No 🗌		
7. Are samples (except VOA and ONG) prope	rly preserved?	Yes 🗹	No 🗌		
8. Was preservative added to bottles?		Yes	No 🗹	NA	
9. VOA vials have zero headspace?		Yes	No 🗌	No VOA Vials 🗹	
10. Were any sample containers received brok	en?	Yes	No 🗹		
11. Does paperwork match bottle labels?		Yes 🗹	No 🗆	# of preserved bottles checked for pH:	12
(Note discrepancies on chain of custody)	F Custody2	Yes 🖌	No 🗆	(<2 or Adjusted?	>12 unless noted)
12. Are matrices correctly identified on Chain o 13. Is it clear what analyses were requested?	Custody	Yes 🗹	No 🗆	_	
14. Were all holding times able to be met?		Yes 🗹	No 🗆	Checked by:	
(If no, notify customer for authorization.)			:		
Special Handling (if applicable)			· · · ·		
15. Was client notified of all discrepancies with	this order?	Yes	No 🗌	NA 🗹	
Person Notified: By Whom:	Date Date	eMail 🗌 Pr	ione 🗌 Fax	In Person	
Regarding: Client Instructions:					
16. Additional remarks:					1
17. <u>Cooler Information</u> Cooler No. <u>Temp °C</u> Condition S 1 2.4 Good Ye	and a difference of the Stand of the solution of the solution of the	Seal Date	Signed By		
EF					

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