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

State of New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-144 Revised April 3, 2017

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

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

Pit, Below-Grade Tank, or
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.
Operator: BP America Production Company OGRID #: 778
Address: 200 Energy Court, Farmington, NM 87401 OIL CONS. DIV DIST. 3
PRITCHARD B 003
API Number: 3004510079 OCD Permit Number: NUV 0 7 2017 U/L or Qtr/Qtr K Section 34 Township 31N Range 09W County: San Juan
Center of Proposed Design: Latitude 36.852431 Longitude -107.771413 NAD83
Surface Owner: 🔳 Federal 🗌 State 🔲 Private 🗀 Tribal Trust or Indian Allotment
2.
Pit: Subsection F, G or J of 19.15.17.11 NMAC
Temporary: Drilling Workover
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A ☐ Multi-Well Fluid Management ☐ Low Chloride Drilling Fluid ☐ yes ☐ no
Lined Unlined Liner type: Thicknessmil LLDPE HDPE PVC Other
☐ String-Reinforced
Liner Seams: Welded Factory Other Volume: bbl Dimensions: L x W x D
3.
■ Below-grade tank: Subsection I of 19.15.17.11 NMAC TANK A
Volume: 95 bbl Type of fluid: Produced Water
Tank Construction material: Steel
☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other Single wall/ Double bottom; sidewalls not visible
Liner type: Thicknessmil
4.
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

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

Within 100 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit Non-low chloride drilling fluid	
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).	
- Topographic map; Visual inspection (certification) of the proposed site	Yes No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Permanent Pit or Multi-Well Fluid Management Pit	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	Yes No
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 N Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the doc attached. Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.13 and 19.15.17.13 NMAC Previously Approved Design (attach copy of design) API Number: or Permit Number:	NMAC 15.17.9 NMAC
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 doc attached.	cuments are
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	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 Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC Quality Control/Quality Assurance Construction and Installation Plan Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Nuisance or Hazardous Odors, including H ₂ S, Prevention Plan Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Erosion Control Plan Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC	documents are
Proposed Closure: 19.15.17.13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan. Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Multi-well F 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	luid Management Pit
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be closure plan. Please indicate, by a check mark in the box, that the documents are attached. □ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC □ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC □ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) □ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC □ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	
15. Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable sour provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. I 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	

adopted pursuant to NMSA 1978, Section 3-27-3, as amended.	
- Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological	
Society; Topographic map	☐ Yes ☐ No
Within a 100-year floodplain FEMA map	Yes No
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17.13 Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.13 NMAC Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 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
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 believed to the best of my	ef.
Name (Print): Title:	
Signature: Date:	
e-mail address: Telephone:	
OCD Approval: ☐ Permit Application (including closure plan) ☐ Closure Plan (only) ☐ OCD Conditions (see attachment) OCD Representative Signature: ☐ Approval Date: ☐ OCD Permit Number:	119017
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 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. Closure Completion Date: 9/7/2017	
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 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.	complete this

22.		
Operator Closure Certification:		
	eby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge at f. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan. Erin Garifalos Title: Field Environmental Coordinator Date: November 3, 2017	
Name (Print): Erin Garifalos	eby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and fig. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan. Title: Field Environmental Coordinator	
Signature:UTIN garifalas	Date: November 3, 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

PRITCHARD B 003

API No. 3004510079

Unit Letter K Section 34 T 31N 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	<47
Chlorides	US EPA Method 300.0 or 4500B	620	<30

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

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

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

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

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

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

Sampling results indicate a release has not occurred. Attached is a laboratory report and field report.

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.

BP did not meet the 60 closure completion requirement due to an error in internal tracking. 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.

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

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.

			Rele	ease Notific	catior	and Co	orrective A	ction	1					
						OPERA	ΓOR		Initia	al Report		Final Repor		
Name of Co	mpany BP	America Produc	tion Compa	ny		Contact Erin Garifalos								
		t, Farmington, N	M 87401				No. (832) 609-7048							
Facility Na	ne PRITCHA	RD B 003				Facility Typ	e: Natural Gas We	II						
Surface Ow	ner: Federal			Mineral C)wner: F	-ederal			API No	.3004510079				
						OF RE	LEASE							
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/	West Line	County		1		
K 34 31N 09W 1,850 South 1,550 West										S	san	Juan		
			Latitud	_e 36.852431	L	ongitude1	07.771413	NAD	83					
				NAT	URE	OF REL	EASE							
Type of Rele	ase:: none)					Release:: unkn			Recovered::				
Source of Re	lease: belo	w grade ta	nk - 95	bbl		Date and I	Iour of Occurrence	e:	Date and n/a	Hour of Dise	covery:			
Was Immedi		Given?				If YES, To	Whom?		TIV C					
			Yes _	No Not Re	equired									
By Whom?	D	1 10				Date and H		1 337 4						
Was a Water	course Reac		Yes	No		If YES, Vo	olume Impacting t	the Wat	ercourse.					
If a Watercou	irse was Im	nacted Descr	ihe Fully *	:										
Describe Cau	ise of Proble	em and Reme	dial Action	Samı Soil a	analys	is resulte	beneath the d for Chloric Field reports	les, B	TEX, ar	nd TPH b	elow	BGT		
Describe Are	a Affected a	and Cleanup A	Action Tak	en.*	n noo	occony E	inal laborate	ory or	anlycic c	lotormin	od no			
						n is requ	inal laborato ired.	ory ar	iaiysis (ietermini	ea no	,		
regulations a public health should their of or the environ	Il operators or the envir operations h nment. In a	are required to conment. The ave failed to a	o report an acceptance adequately OCD accep	d/or file certain r e of a C-141 repo investigate and r	elease no ort by the emediate	otifications as NMOCD m contaminati	knowledge and und perform correctarked as "Final R on that pose a three the operator of	etive act eport" of eat to grespons	ions for rele loes not reli round water ibility for co	eases which eve the oper c, surface was compliance w	may end ator of l ter, hum with any	danger liability nan health		
Signature:	rin g	orifale	4				OIL CON			DIVISIO	<u>N</u>			
Printed Name	Erin G	arifalos			1	Approved by	Environmental S	pecialis	t:					
		onmenta		rdinator	1	Approval Dat	e:		Expiration l	Date:				
E-mail Addre	ess: erin.	garifalos	@bp.	com	(Conditions of	Approval:			Attached				
Date: Noven		ets If Necess		(832) 609-7048										

bp



BP America Production Company 200 Energy Court Farmington, NM 87401

September 1, 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: PRITCHARD B 003

API#: 3004510079

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 September 6, 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 (505)-326-9497.

Sincerely,

Steven Moskal

BP America Production Company

Garifalos, Erin

From:

Buckley, Farrah (CH2M HILL)

Sent:

Friday, September 01, 2017 11:34 AM

To:

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

'brandon.powell@state.nm.us'

Cc:

'jeffcblagg@aol.com'; 'blagg_njv@yahoo.com'; Moskal, Steven; Garifalos, Erin

Subject:

BP Pit Close Notification - PRITCHARD B 003

BP America Production Company

200 Energy Court Farmington, NM 87401 Phone: (505) 326-9200

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

September 1, 2017

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

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

PRITCHARD B 003 API 30-045-10079 (K) Section 34— T31N – 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 September 6, 2017.

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

Sincerely,

Steven Moskal BP Field Environmental Coordinator (505) 326-9497

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

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

CLIENT: BP	P.O. BOX 87, I	ENGINEERING, INC BLOOMFIELD, NM 05) 632-1199		API #: 300451 TANK ID (if applicble):	10079 A
FIELD REPORT:		/ RELEASE INVESTIGATION / OT	HER:	PAGE #: 1	of1
SITE INFORMATION	I: SITE NAME: PRITC	HARD B #3		DATE STARTED: 09	/05/17
QUAD/UNIT: K SEC: 34 TWP:	31N RNG: 9W PM	NIN# 0.1	ST: NM	DATE FINISHED:	
1/4 -1/4/FOOTAGE: 1,850'S / 1,5	50'W NE/SW LEASE	TYPE: FEDERAL STATE / I	FEE / INDIAN	ENVIRONMENTAL	
		STRIKE CONTRACTOR: BP - J. GOI			NJV
REFERENCE POINT	: WELL HEAD (W.H.) GF	PS COORD.: 36.85259		GL ELEV.:	
1)95 BGT (SW/DB)	GPS COORD.: 36	5.852431 X 107.771413	DISTANCE/BEA	RING FROM W.H.: 153',	S72E
2)	GPS COORD.:		DISTANCE/BEA	RING FROM W.H.:	
3)	GPS COORD.:		DISTANCE/BEA	RING FROM W.H.:	
4)	GPS COORD.:		DISTANCE/BEA	RING FROM W.H.:	
SAMPLING DATA:	CHAIN OF CUSTODY RECORD(S) #	OR LAB USED: HALL			OVM READING (ppm)
1) SAMPLE ID: 5PC - TB @ 5'	(95) SAMPLE DATE: 09/0	05/17 SAMPLE TIME:1405 1	LAB ANALYSIS:801	15B/8021B/300.0 (CI)	NA
	SAMPLE DATE:		LAB ANALYSIS:		
3) SAMPLE ID: 4) SAMPLE ID:			LAB ANALYSIS:		
5) SAMPLE ID:	SAMPLE DATE:		AB ANALYSIS:		
SOIL DESCRIPTION	· COIL TYPE: CAND CILTY CAND	Velit / elity el AV / el AV / el AV / el AV /	OTHER IMPORT	ED BOOK BASE BENEA	TURCT
COHESION (ALL OTHERS): NON COHESIVE SLIGHTLY CONSISTENCY (NON COHESIVE SOILS): LC MOISTURE: DRY /SLIGHTLY MOIST / MOIST / W SAMPLE TYPE: GRAB /COMPOSITE + # DISCOLORATION/STAINING OBSERVED: YES / M	DOSE FIRM DENSE / VERY DENSE ET / SATURATED / SUPER SATURATED # OF PTS		EXPLANATION -		
SITE OBSERVATION		NT: YES NO EXPLANATION -			
APPARENT EVIDENCE OF A RELEASE OBSERVE EQUIPMENT SET OVER RECLAIMED AREA: OTHER: NMOCD OR BLM NOT PRESENT	DAND/OR OCCURRED: YES NO EX YES NO EXPLANATION - 105 B	PLANATION: BL SHALLOW LOW PROFILE A	BOVE-GRADE TAI	NK TO BE SET ATOP BG	T LOCATION.
EXCAVATION DIMENSION ESTIMATION:	NA ft. X NA	ft. X NA ft.	EXCAVATION EST	TIMATION (Cubic Yards) :	NA
DEPTH TO GROUNDWATER: >100' N	EAREST WATER SOURCE: >1,00	0' NEAREST SURFACE WATER: _	>1,000' NMOC	D TPH CLOSURE STD:5	,000 ppm
SITE SKETCH	BGT Located: off on s	PLOT PLAN circle	e: attached OVM	CALIB. READ. = NA	_ppm RF =1.00
			♠ own	CALIB. GAS = NA	ppm
TO			N TIME	: NA am/pm DATE:	NA
W.H.		PBGTL T.B. ~ 5'		MISCELL. NO	TES
	BERM	B.G.	\w	/O:	7120
COMPRESSOR	BERIM	FENOR	_	EF #: P-841	
		FENCE Y X		ID: VHIXONEVE	32
		x / //		J#:	
			Pe	ermit date(s): 06/	02/10
	SOUND WALLS	CEDADATOD		CD Appr. date(s): 05/	03/17
	INCLO	SEPARATOR	Tan		
			Α	BGT Sidewalls Visible: Y	/(N)
		X	- S.P.D.	BGT Sidewalls Visible: Y	
NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATIO		BELOW, T.H. = TEST HOLE; ~ = APPROX.; W.	H. = WELL HEAD;	BGT Sidewalls Visible: Y	
T.B. = TANK BOTTOM; PBGTL = PREVIOUS BEL APPLICABLE OR NOT AVAILABLE; SW - SINGLE			ALL; NA - NOT M	lagnetic declination: *	0°E
NOTES: GOOGLE EARTH IMAGE		ONSITE: 09/05/1	7		

Date Reported: 9/7/2017

CLIENT: Blagg Engineering

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

Project: PRITCHARD B #3

Collection Date: 9/5/2017 2:05:00 PM

Lab ID: 1709156-001

Matrix: SOIL

Received Date: 9/6/2017 7:00:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	30	mg/Kg	20	9/6/2017 11:02:38 AM	33723
EPA METHOD 8015M/D: DIESEL RANG	SE ORGANICS	S			Analyst	TOM
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	9/6/2017 9:14:42 AM	33720
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	9/6/2017 9:14:42 AM	33720
Surr: DNOP	101	70-130	%Rec	1	9/6/2017 9:14:42 AM	33720
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst	RAA
Gasoline Range Organics (GRO)	ND	3.8	mg/Kg	1	9/6/2017 9:35:32 AM	33710
Surr: BFB	89.1	54-150	%Rec	1	9/6/2017 9:35:32 AM	33710
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.019	mg/Kg	1	9/6/2017 9:35:32 AM	33710
Toluene	ND	0.038	mg/Kg	1	9/6/2017 9:35:32 AM	33710
Ethylbenzene	ND	0.038	mg/Kg	1	9/6/2017 9:35:32 AM	33710
Xylenes, Total	ND	0.075	mg/Kg	1	9/6/2017 9:35:32 AM	33710
Surr: 4-Bromofluorobenzene	96.9	66.6-132	%Rec	1	9/6/2017 9:35:32 AM	33710

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

Qualifiers:

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

Ch	nain-c	of-Cus	tody Record	Turn-Around	IIIIe.	SAME	١,		ı r	Н	AI		FR	11/		0		ME	N	CAI		
Client:	BLAG	G ENGR.	/ BP AMERICA	☐ Standard	Rush _	DAY)	L												ATO			
	•			Project Name								/.hal							* 11 4		h. H	
Mailing A	ddress:	P.O. BO	X 87	PI	RITCHARD	B #3		49	N1 H	awki									10			
		BLOOM	FIELD, NM 87413	Project #:						5-34				-			410		,			
Phone #:	***************************************	(505) 63							1. 50	3 34		100	THE REAL PROPERTY.		-	ues	100					
email or F	ax#:		71.76	Project Manag	ger:													1)				
QA/QC Pa	_		Level 4 (Full Validation)		NELSON V	ELEZ	(80218)	+ MTBE + TPH (Gas only)	/ MRO)			(S)		PO4,504	PCB's			water - 300.1)			9	
Accredita	tion:			Sampler:	NELSON VI	ELEZ ny	8) S ₆	(Ga	DRO	1	ਜ	SIS		102	8082						mpl	
□ NELAF		□ Other		Omited: Prince	ÿ⁄γes′÷÷÷	Jo No Comme	*	TPH	_	418.	504	8270SIMS)	10	8	~		A	300.0 /			e sa	N N
	Type)	ı			erature), 🏸 🍣		4	BE +	(GR	pou	8	0	etal	C,N	cide	8	i-V	1		<u>e</u>	osit	٤
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO.	BTEX +-NFF	BTEX + MT	TPH 8015B (GRO	TPH (Method 418.1)	EDB (Method 504.1)	PAH (8310	RCRA 8 Metals	Anions (F,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides	8260B (VOA)	8270 (Semi-VOA)	Chloride (soil		Grab sample	5 pt. composite sample	Air Bubbles (Y or N)
9/5/17	1405	SOIL	5PC-TB@ 5 '(95)	4 oz 1	Cool	-001	٧		V									٧			V	
												\top									\neg	
										\neg		\top		7					\Box	\neg	\dashv	
***										\dashv	_	\dashv	\top	\forall						\neg	7	
			* II · · · · · · · · · · · · · · · · · ·								1	\top	\dashv	7						\dashv	-	
											+	+	+	\dashv				-		-		
										\dashv	-	+	\dashv	+					\dashv	-	\dashv	
			7400 - 4444 - 7400 - 7400							-	-	+	+	\dashv	-				\vdash	\dashv	\dashv	\dashv
										\dashv	+	\dashv	+	\dashv	\dashv				\vdash	\dashv	\dashv	\dashv
										-	-	+	+	\dashv	_				\vdash	\dashv	\dashv	
											+	-	_	+	_				\vdash	\dashv	\dashv	
Date:	Time:	Pelinguishe	od har	Received by:		Date Time	Rem	narks		BILL DI	PECTI	IVTO	DO LIS	SING	TUE	CONT	ACTIA	TTU C	OPPE	EDOM	DING	VID
9/5/17	1510	Relinquishe	hu V2	Churt	ulilalte	96/1 1510				& REF	RENC	E#W	HEN	APPL	ICAB	LE;		11111	VINE	Jr OII	PINIS	AID
Date:	Time:	Relinquishe	ed by:	Received by:	7	Date Time				VHIX												
9/8/0	2001	In	ister Walls	Unn	& Mul	0700	Ref	eren	ce#		P - 8	41_										

Hall Environmental Analysis Laboratory, Inc.

WO#:

1709156

07-Sep-17

Client:

Blagg Engineering

Project:

PRITCHARD B #3

Sample ID MB-33723

SampType: mblk

TestCode: EPA Method 300.0: Anions

Client ID:

PBS

Batch ID: 33723

RunNo: 45442

Prep Date:

9/6/2017

Analysis Date: 9/6/2017

SeqNo: 1441364

Units: mg/Kg

Analyte Chloride

Result PQL ND 1.5

SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit**

%RPD

Qual

Sample ID LCS-33723 Client ID: LCSS

SampType: Ics Batch ID: 33723

1.5

RunNo: 45442

TestCode: EPA Method 300.0: Anions

Prep Date:

9/6/2017

Analysis Date: 9/6/2017

SeqNo: 1441365

Units: mg/Kg

SPK value SPK Ref Val %REC Analyte PQL

LowLimit

HighLimit

RPDLimit

Qual

Chloride

15

15.00

0

97.3

90

110

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded H

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

В Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits Page 2 of 5

P Sample pH Not In Range

Reporting Detection Limit

Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1709156

07-Sep-17

Client:

Blagg Engineering

Project:

PRITCHARD B #3

Sample ID LCS-33720	SampTyp	oe: LC	S	Test	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: LCSS	Batch I	D: 33	720	R	unNo: 4	5426				
Prep Date: 9/6/2017	Analysis Dat	te: 9/	6/2017	S	eqNo: 1	439200	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.7	73.2	114			
Surr: DNOP	4.4		5.000		88.7	70	130			

Sample ID MB-33720	SampT	ype: ME	BLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch	ID: 33	720	F	RunNo: 4	5426						
Prep Date: 9/6/2017	Prep Date: 9/6/2017 Analysis Date: 9/6/2017			S	SeqNo: 1	439201	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	ND	10										
Motor Oil Range Organics (MRO)	ND	50										
Surr: DNOP	10		10.00		104	70	130					

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

Page 3 of 5

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

RPDLimit

1709156

07-Sep-17

Qual

Client:

Blagg Engineering

Project:

PRITCHARD B #3

Sample ID LCS-33710

SampType: LCS

TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS

Batch ID: 33710

RunNo: 45446

Prep Date: 9/5/2017

Analysis Date: 9/6/2017 Result

SeqNo: 1441257

Units: mg/Kg

125

150

Analyte Gasoline Range Organics (GRO)

26 990 SPK value SPK Ref Val %REC

SPK value SPK Ref Val %REC LowLimit

HighLimit %RPD

5.0 25.00 104 76.4 Surr: BFB 1000 99.3

PQL

Sample ID MB-33710

SampType: MBLK

TestCode: EPA Method 8015D: Gasoline Range

54

LowLimit

Client ID: **PBS**

Batch ID: 33710

PQL

5.0

RunNo: 45446

Prep Date: 9/5/2017

Analysis Date: 9/6/2017

SeqNo: 1441258

Units: mg/Kg

%RPD

RPDLimit Qual

Analyte Gasoline Range Organics (GRO) Result ND

150

Surr: BFB

890

1000

89.0

HighLimit

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded H

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% 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

P Sample pH Not In Range

RL Reporting Detection Limit

Sample container temperature is out of limit as specified

Page 4 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#:

1709156

07-Sep-17

Client: Project:

Blagg Engineering PRITCHARD B #3

Sample ID LCS-33710 SampType: LCS TestCode: EPA Method 8021B: Volatiles Batch ID: 33710 RunNo: 45446 Client ID: LCSS Prep Date: Analysis Date: 9/6/2017 SeqNo: 1441264 9/5/2017 Units: mg/Kg %REC Analyte Result PQL SPK value SPK Ref Val LowLimit HighLimit %RPD **RPDLimit** Qual 0.84 0.025 0 83.5 80 Benzene 1.000 120 0 Toluene 0.86 0.050 1.000 85.8 80 120 0.88 0.050 0 88.2 80 120 Ethylbenzene 1.000 Xylenes, Total 2.7 0.10 3.000 0 88.4 80 120 Surr: 4-Bromofluorobenzene 0.99 1.000 99.4 66.6 132

Sample ID MB-33710 SampType: MBLK			TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 33710			R	RunNo: 4						
Prep Date: 9/5/2017 Analysis Date: 9/6/20			6/2017	S	SeqNo: 1	441265	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	0.025									
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.10									
Surr: 4-Bromofluorobenzene	0.98		1.000		97.5	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

J Analyte detected below quantitation limits

Page 5 of 5

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Clie	ent Name:	BLAGG		Order Numb	per: 1709	156			RcptNo: 1		
Rec	eived By:	Anne Thor	me	9/6/2017	7:00:00 Al	M		am.	1.	_	
	npleted By:	Anne Thor			7:35:24 AI			an	No		
		ENH	nie .	9/6/1		*1		Clare,	Am		
Revi	iewed By:	0019			1						
Cha	In of Cus	tody									
1. (Custody seal	ls intact on sa	ample bottles?	>		Yes		No		Not Present	
2. Is Chain of Custody complete?								No		Not Present	
3. How was the sample delivered?											
Log	<u>ı In</u>										
4. Was an attempt made to cool the samples?								No		NA 🗆	
5. Were all samples received at a temperature of >0° C to 6.0°C								No		NA 🗆	
6.	Sample(s) in	ainer(s)?			Yes	V	No				
7. 8	Sufficient sar	mple volume	for indicated to	est(s)?	Yes	V	No				
		•		operly preserve	ed?	Yes		No			
		ative added to		-,,,,,		Yes		No	V	NA 🗆	
	,										
10.\	VOA vials ha	ve zero head	space?			Yes		No		No VOA Vials	
11.	Were any sa	mple contain	ers received b	oroken?		Yes	<u>.</u>	No	V	# of preserved	
40 .			W- I-L-I-D			.,		No		bottles checked	
	12. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes No for pH: (<2 or >12 unless note									or >12 unless noted)	
13. Are matrices correctly identified on Chain of Custody?						Yes	V	No		Adjusted?	
14.1	14, Is it clear what analyses were requested?						V	No			
15. Were all holding times able to be met?						Yes	\checkmark	No		Checked by:	
(If no, notify customer for authorization.)											
Snor	nial Handi	ing (if app	dicable)								
				vith this order?		Yes		No		NA 🗹	
	Person	Notified:			Date	Tomasaaa	NAME OF TAXABLE PARTY.	dadan bambias a desmiris a desamo	shannes.		
By Whom: Via:							ail [Phone	Fax	in Person	
Regarding:								***************************************			
	Client In	nstructions:			TEAN PRINTED BY		and the decision of	Andrewskie and an appropriate or an and	ST SHALL UNDERSTON	nacion compromentamente inschendels für ausbescheide Tablesche.	
17.	Additional res	marks:									_
18. 9	Cooler Infor										
	Cooler No		Condition	Seal Intact	Seal No	Seal Da	ate	Signed B	У		
	[1	1.3	Good	Yes	·	Thirt times desidediss the Estite	AMPA, cora fund		~		



