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

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

Pit, Below-Grade Tank, or

Form C-144 Revised June 6, 2013

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

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

Proposed Alternative Method Permit or Closure Plan Application	tion
Type of action: Below grade tank registration Permit of a pit or proposed alternative method	OIL CONS. DIV DIST. 3
Closure of a pit, below-grade tank, or proposed alternative method	JUN 2 0 2016
Modification to an existing permit/or registration	. 1. 1 1 1.
Closure plan only submitted for an existing permitted or non-permitted pi or proposed alternative method	t, below-grade tank,
Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alter	native request
Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface	
environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority	
I.	
Operator: BP America Production Company OGRID #: 778	
Address: 200 Energy Court, Farmington, NM 87401	
Facility or well name: GALLEGOS CANYON 598	
API Number: 3004531600 OCD Permit Number:	
U/L or Qtr/Qtr M Section 22 Township 29N Range 12W County: San	Juan
Center of Proposed Design: Latitude 36.70719 Longitude -108.09253	NAD: □1927 ⊠ 1983
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	g 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 <u>Double wall/ double bottom; no visible sidewalls</u>	ewalls
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	or consideration of approval.

Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks) Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school institution or church) Four foot height, four strands of barbed wire evenly spaced between one and four feet	l, hospital,
☐ Alternate. Please specify	
6.	
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)	
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. 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 accommaterial are provided below. Siting criteria does not apply to drying pads or above-grade tanks.	eptable 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
<u>Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit.</u> 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	14.5
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

Previously Approved Design (attach copy of design) API Number:	Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial	Yes No
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300fect of any other fresh water well or spring, in existence at the time of the initial application. No NO Griec of the State Engineer - IWATERS database search, Visual inspection (certification) of the proposed site Temporary Pit Non-low chloride drilling fluid Within 300 feet of a worlina. 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 mary, Visual inspection (certification) of the proposed site Within 300 feet of a appropriate requirements of the state facility of the proposed site. 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 100 feet of any other ferth water well used by less than five households for domestic or stock watering purposes, or 100 feet of any other ferth water well used by less than five households for domestic or stock watering purposes, or 100 feet of any other ferth water well used by less than five households for domestic or stock watering purposes, or 100 feet of any other ferth water well used by less than five households for domestic or stock watering purposes, or 100 feet of a wetland. US Fish and Wildlife Welland Identification map; Topographic map; Visual inspection (certification) of the proposed site Permanent Pit or Multi-Well Fluid Management Pit Within 500 feet of a welland. No Office of the State Engineer - IWATERS database search; Visual inspection (certification) of the proposed site Within 500 feet of a welland. No Office of the State Engineer - IWATERS database search; visual inspection (certification) of the proposed site Within 500 feet of a welland. No Office of the State Engineer - IWATERS database search; visual inspection (certi		
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Visual inspection (certification) of the proposed site; Aerial photo; Satellite image Yes No		☐ Yes ☐ No
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US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site Yes No		☐ Yes ☐ No
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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 documents are 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 19.15.17.9 NMAC 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		
	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. 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	

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	e documents are
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	
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 Falternative 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	Fluid 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 Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable sou provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. 19.15.17.10 NMAC for guidance.	
Ground water is less than 25 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
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	
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	Yes No

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 to the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17. Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19. Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	11 NMAC 15.17.11 NMAC
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 beling the complete to the best of my knowledge and beli	
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: 10 Title: Course Plan (only) OCD Conditions (see attachment) OCD Permit Number: 19.	12016
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: 4/26/2016	in hear
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)
Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please incommark in the box, that the documents are attached. Proof of Closure Notice (surface owner and division) Proof of Deed Notice (required for on-site closure for private land only) Plot Plan (for on-site closures and temporary pits) Confirmation Sampling Analytical Results (if applicable)	dicate, by a check

22.	
Operator Closure Certification:	
I hereby certify that the information and attachments submitted with this closure republief. I also certify that the closure complies with all applicable closure requirement	
Name (Print): Steve Moskal	Title: Field Environmental Coordinator
Signature: Steemin	Date:June 16, 2016
e-mail address: steven.moskal@bp.com	Telephone:(505) 326-9497

BP AMERICA PRODUCTION COMPANY SAN JUAN BASIN, NORTHWEST NEW MEXICO

BELOW-GRADE TANK CLOSURE PLAN

Gallegos Canyon Unit 598 API No. 3004531600 Unit Letter M, Section 22, T29N, R12W

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

- 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 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 95 bbl BGT	Release Verification (mg/Kg)	Sample results
Benzene	US EPA Method SW-846 8021B or 8260B	0.2	< 0.020
Total BTEX	US EPA Method SW-846 8021B or 8260B	50	< 0.078
TPH	US EPA Method SW-846 418.1 or 8015 extended	100	<46
Chlorides	US EPA Method 300.0 or 4500B	250 or background	<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 TPH, BTEX and chloride. TPH, BTEX and chloride concentrations were below the stated limits. The field report and laboratory reports are attached.

- 7. BP shall notify the division District III office of its results on form C-141. **C-141** is attached.
- 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 had not occurred.
- 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 had not occurred. The location will be reclaimed once 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 will be reclaimed once the well has been 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 will be reclaimed once the well has been 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 will be reclaimed once the well has been 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 will be reclaimed once the well has been plugged and abandoned.

 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.

BP will notify NMOCD when re-vegetation is successful.

- 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.

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

State of New Mexico Energy Minerals and Natural Resources

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

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

Form C-141 Revised August 8, 2011

			Rel	ease Notifi	catio	n and Co	orrective A	Action					
						OPERA	ГOR		Initi	ial Report		Repo	
Name of Co						Contact: Ste							
	dress: 200 Energy Court, Farmington, NM 87401						ephone No.: 505-326-9497						
Facility Na	me: Galleg	gos Canyon I	Jnit 598			Facility Type: Natural gas well							
Surface Ow	ner: Fee			Mineral	Owner:	wner: Fee API No. 3004531600							
				LOC	ATIO	N OF RE	LEASE						
Unit Letter M	Section 22	Township 29N	Range 12W	Feet from the 860	_	/South Line	Feet from the 810	East/Wes West	t Line	County: San	n Juan		
		Latit	ude36	.70719°		_ Longitude	-108.09253°	0					
				NA'	TURE	OF REL	EASE						
Type of Rele						Volume of	Release: none	V	olume l	Recovered: no	one		
Source of Re	elease: below	w grade tank				Date and I	lour of Occurren	ce: Da	ate and	Hour of Disc	overy: none		
Was Immedi	ate Notice (Yes 🗵	No Not R	Required	If YES, To	Whom?						
By Whom?						Date and F	lour:						
Was a Water	course Read		Yes 🗵] No		If YES, Vo	lume Impacting	the Waterco	urse.				
If a Waterco	urse was Im	pacted, Descr	ibe Fully.	*									
the site. No f			п, втех	and chloride were	e below	the BG1 clost	ire standards.	ne lab result	is indic	ate a release n	ad not occurr	ed a	
Describe Are	a Affected	and Cleanup A	Action Tal	cen.* No release	has occu	rred. No furth	er action necessa	ıry.					
regulations a public health should their or the enviro	Il operators or the envir operations h nment. In a	are required to ronment. The save failed to a	acceptant acceptant adequately OCD accep	e is true and compad/or file certain the of a C-141 reprinted investigate and stance of a C-141	release n ort by th remediat	otifications as e NMOCD m e contaminati	nd perform correct arked as "Final R on that pose a thr	ctive actions Report" does reat to groun	for rel not rel nd wate	eases which n ieve the opera r, surface water	may endanger ator of liability er, human hea	y	
Signature:	ato	Min					OIL CON	SERVA	ΓΙΟΝ	DIVISIO	N		
Printed Nam						Approved by	Environmental S	Specialist:					
Γitle: Field E	invironment	al Coordinato	г			Approval Dat	e:	Exp	iration	Date:			
E-mail Addre	esssteven.m	oskal@bp.com	n			Conditions of Approval:			Attached				
Date: June 1		ets If Necess)5-326-9479									



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

April 25, 2016

Giant Industries Arizona Inc. Attn Western Refining Southwest Inc 1250 W Washington St Suite 101 Tempe, AZ 85281

VIA CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Re: Notification of plans to close/remove a below grade tank Well Name: GALLEGOS CANYON UNIT 598

To Whom It May Concern,

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 April 27, 2016. 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.

Unless you have questions about this notice, there is no need to respond to this letter. If you do have any questions or concerns, please contact me at (505) 326-9497.

Sincerely,

Steven Moskal BP Field Environmental Coordinator

Moskal, Steven

From:

Railsback, Farrah (CH2M HILL)

Sent:

Tuesday, February 23, 2016 2:17 PM

To:

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

Cc:

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

BP Pit Close Notification - GALLEGOS CANYON UNIT 598

Subject:

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

February 23, 2016

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 598** API 30-045-31600 (M) Section 22 - T29N - R11W 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 95 bbl BGT that will no longer be operational at this well site. We anticipate this work to start on or around February 26, 2016.

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

CLIENT: BP	BLAGG ENGINEERING P.O. BOX 87, BLOOMFIELD, (505) 632-1199		API #:30045316 TANK ID (if applicble): A	600
FIELD REPORT:	(circle one): BGT CONFIRMATION / RELEASE INVESTIGATION	ON / OTHER:	PAGE #:1_ of	_1_
SITE INFORMATION QUAD/UNIT: M SEC: 22 TWP:	SITE NAME: GCU # 598 29N RNG: 12W PM: NM CNTY:	SJ ST: NM	DATE STARTED: 04/26 DATE FINISHED:	6/16
1/4 -1/4/FOOTAGE: 860'S / 810'\ LEASE #: -	SW/SW LEASE TYPE: FEDERAL / STRIP PROD. FORMATION: CHA CONTRACTOR: BP - /	VE	ENVIRONMENTAL SPECIALIST(S):	V
1) 95 BGT (DW/DB) 2)	GPS COORD.: 36.70719 X 108.092 GPS COORD.: GPS COORD.:	253 DISTANCE/BEA	RING FROM W.H.: 106', S6 RING FROM W.H.:	8W
SAMPLING DATA:	CHAIN OF CUSTODY RECORD(S) # OR LAB USED:			OVM READING (ppm)
2) SAMPLE ID:	(95) SAMPLE DATE: 04/26/16 SAMPLE TIME: 11 SAMPLE DATE: SAMPLE TIME: SAMPLE TIME: SAMPLE TIME:	LAB ANALYSIS:		0.5
	SOIL TYPE: SAND SILTY SAND SILT / SILTY CLAY / CLAY /			
APPARENT EVIDENCE OF A RELEASE OBSERVE EQUIPMENT SET OVER RECLAIMED AREA:	T / SATURATED / SUPER SATURATED OF PTS ANY AREAS DISPLAYING WELL OF EXPLANATION		IATION -	
SOIL IMPACT DIMENSION ESTIMATION: DEPTH TO GROUNDWATER: >100' N	NA ft. X NA		TIMATION (Cubic Yards) : D TPH CLOSURE STD:	NA ppm
SITE SKETCH TO W.H. & PUMP JACK COMPRESSOR	PROD TANK PENCE PENCE PENCE SEPARATOR	N OWN TIME	ppm = parts per million BGT Sidewalls Visible: Y / N BGT Sidewalls Visible: Y / N	ES (10 (16
T.B. = TANK BOTTOM; PBGTL = PREVIOUS BELL	I DEPRESSION; B.G. = BELOW GRADE; B = BELOW; T.H. = TEST HOLE; ~= AP W-GRADE TANK LOCATION; SPD = SAMPLE POINT DESIGNATION; R.W. = REWALL; DW-DOUBLE WALL; SB-SINGLE BOTTOM; DB-DOUBLE BOTTOM. RY DATE: 3/15/2015.	TAINING WALL; NA - NOT M	BGT Sidewalls Visible: Y / N agnetic declination: 10°	E

Analytical Report

Lab Order 1604B49

Date Reported: 5/2/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

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

Project: GCU 598

Collection Date: 4/26/2016 11:33:00 AM

Lab ID: 1604B49-001

Matrix: MEOH (SOIL) Received Date: 4/27/2016 7:15:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	LGT
Chloride	ND	30	mg/Kg	20	4/27/2016 11:43:13 AM	25044
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS	3			Analyst:	KJH
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	4/27/2016 11:32:15 AM	25027
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	4/27/2016 11:32:15 AM	25027
Surr: DNOP	102	70-130	%Rec	1	4/27/2016 11:32:15 AM	25027
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	3.9	mg/Kg	1	4/27/2016 1:31:04 PM	25015
Surr: BFB	111	80-120	%Rec	1	4/27/2016 1:31:04 PM	25015
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.020	mg/Kg	1	4/27/2016 1:31:04 PM	25015
Toluene	ND	0.039	mg/Kg	1	4/27/2016 1:31:04 PM	25015
Ethylbenzene	ND	0.039	mg/Kg	1	4/27/2016 1:31:04 PM	25015
Xylenes, Total	ND	0.078	mg/Kg	1	4/27/2016 1:31:04 PM	25015
Surr: 4-Bromofluorobenzene	101	80-120	%Rec	1	4/27/2016 1:31:04 PM	25015

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
- R RPD outside accepted recovery limits
- 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	Time:	SAME		14		н	A	LL	E	NV	TE	10	NI	ME	NT	AL	
lient:	BLAG	G ENGR.	/ BP AMERICA	☐ Standard	Rush _	DAY)			5										TO		
				Project Name	:		100				ww	w.ha	allen	viro	nme	ental	l.con	n			
failing A	ddress:	P.O. BO	X 87	1	GCU # 59	8		49	01 H	ławk	ins	NE -	Alt	ouqu	erq	ue, N	MN 8	3710	9		
	10 97	BLOOM	FIELD, NM 87413	Project #:			1			05-34							410				
hone #:		(505) 63	2-1199	1								Д	nal	ysis	Red	ques	st				
mail or F	ax#:			Project Mana	ger:									(4)				0.1)			
A/QC Pa			Level 4 (Full Validation)		NELSON VI	ELEZ	* (8021B)	+ TPH (Gas only)	/ MRO)			(S)		PO4,50	2 PCB's			300.0 / water - 300.1)		a	
ccredita	tion:			Sampler:	NELSON VI	ELEZ 97V	- S	I (Ga	/ DRO	F.	1)	OSIN		NO ₂ ,	8082			/ W		sample	
NELAF		□ Other		On Ice:		□ No	#	I di	101	418	504	827	S	03,	-		OA)	300.0		te sa	or N)
EDD (Гуре)	T		Sample Temp	erature: //	3	1		3 (GF	hod	hod	0 or	leta	CI,N	icid	(AC	N-i-V	1	-	posi	2 5
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO.	BTEX +	BTEX + MTBE	TPH 8015B (GRO	TPH (Method 418.1)	EDB (Method 504.1)	PAH (8310 or 8270SIMS)	RCRA 8 Metals	Anions (F,Cl,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides	8260B (VOA)	8270 (Semi-VOA)	Chloride (soll		Grab sample 5 pt. composite	r Bt
1/26/16	1133	SOIL	5PC - TB @ 5' (95)	4 oz 1	Cool	-001	٧		٧					,		-	-	٧		1	
							-												+	+	+-
-																				1	_
•																			+	+	+
																				_	
															_				+	+	
																				1	
			÷				-													+	-
ite: I/26/16	Time: 1655	Relinquishe	nd by:	Reseived by: Mustine	Walter	Date Time 4/24/10 /655	Ren	narks	5:	CORF	RESPO		G VID	& RE	FERE		WHE	N APP	T WITH LICABLE	100	
te: 210/16	Time:	Relinquishe	to Waters	Received by:	X ryle	Date Time A 16 075		eren		VI-	P-	NEV 476	B2	VN-	/IOSE	HQF	EC -	VF	RITCJW	/FEC	

Hall Environmental Analysis Laboratory, Inc.

WO#:

1604B49

02-May-16

Client:

Blagg Engineering

Project:

GCU 598

Sample ID MB-25044

SampType: MBLK

TestCode: EPA Method 300.0: Anions

LowLimit

90

Client ID:

PBS

Batch ID: 25044

RunNo: 33845

Prep Date: 4/27/2016

Sample ID LCS-25044

LCSS

Analysis Date: 4/27/2016

SeqNo: 1042570

Units: mg/Kg

HighLimit

%RPD **RPDLimit** Qual

Analyte Chloride

Client ID:

Result PQL ND

SampType: LCS

TestCode: EPA Method 300.0: Anions

Batch ID: 25044

RunNo: 33845

Units: mg/Kg

Prep Date: 4/27/2016

Analysis Date: 4/27/2016

SeqNo: 1042571 %REC

%RPD HighLimit

RPDLimit Qual

Analyte

PQL

Chloride

1.5

SPK value SPK Ref Val %REC LowLimit

110

SPK value SPK Ref Val 14 15.00 0 94.9

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- H Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- RPD outside accepted recovery limits R
- % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits

Page 2 of 5

- Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#: 1604B49

02-May-16

Client:

Blagg Engineering

Project: GCU 5	98		
Sample ID LCS-25001	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 25001	RunNo: 33822	
Prep Date: 4/26/2016	Analysis Date: 4/27/2016	SeqNo: 1041860	Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qu
Surr: DNOP	4.6 5.000	91.6 70	130
Sample ID LCS-25027	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 25027	RunNo: 33822	
Prep Date: 4/27/2016	Analysis Date: 4/27/2016	SeqNo: 1041861	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qu
Diesel Range Organics (DRO)	45 10 50.00	0 89.5 65.8	136
Surr: DNOP	4.4 5.000	88.0 70	130
Sample ID MB-25001	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 25001	RunNo: 33822	
Prep Date: 4/26/2016	Analysis Date: 4/27/2016	SeqNo: 1041862	Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qu
Surr: DNOP	9.6 10.00	95.7 70	130
Sample ID MB-25027	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 25027	RunNo: 33822	
Prep Date: 4/27/2016	Analysis Date: 4/27/2016	SeqNo: 1041863	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qu
Diesel Range Organics (DRO)	ND 10		
Motor Oil Range Organics (MRO)	ND 50		
Surr: DNOP	9.8 10.00	98.2 70	130
Sample ID LCS-25002	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 25002	RunNo: 33843	
Prep Date: 4/26/2016	Analysis Date: 4/28/2016	SeqNo: 1042563	Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qu
Surr: DNOP	4.7 5.000	94.5 70	130
Sample ID MB-25002	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 25002	RunNo: 33843	
Prep Date: 4/26/2016	Analysis Date: 4/28/2016	SeqNo: 1042566	Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qu
Surr: DNOP	12 10.00	124 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

R RPD outside accepted recovery limits

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.

1000

WO#: 10

1604B49

02-May-16

Client:

Blagg Engineering

Project:

Surr: BFB

GCU 598

Sample ID MB-25015	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 25015	RunNo: 33826						
Prep Date: 4/26/2016	Analysis Date: 4/27/2016	SeqNo: 1042318	Units: mg/Kg					
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual				
Gasoline Range Organics (GRO)	ND 5.0							
Surr: BFB	950 1000	95.3 80	120					
Sample ID LCS-25015	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 25015	RunNo: 33826						
Prep Date: 4/26/2016	Analysis Date: 4/27/2016	SeqNo: 1042319	Units: mg/Kg					
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual				
Gasoline Range Organics (GRO)	22 5.0 25.00	0 88.0 80	120					

102

80

120

1000

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

R RPD outside accepted recovery limits

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 4 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#:

1604B49

02-May-16

Client:

Blagg Engineering

Project:

GCU 598

Sample ID MB-25015	SampType: MBLK Batch ID: 25015 Analysis Date: 4/27/2016			Tes						
Client ID: PBS				F						
Prep Date: 4/26/2016				SeqNo: 1042402			Units: mg/h	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.99		1.000		99.1	80	120			
Sample ID LCS-25015	Samp	SampType: LCS			TestCode: EPA Method 8021B: Volatiles					
Client ID: LCSS	Batcl	n ID: 25	015	F	RunNo: 3	3826				

			SeqNo: 1042403			Units: mg/K	9		
Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
1.0	0.025	1.000	0	101	75.3	123			
0.94	0.050	1.000	0	94.2	80	124			
0.90	0.050	1.000	0	90.4	82.8	121			
2.7	0.10	3.000	0	89.8	83.9	122			
1.0		1.000		105	80	120			
	1.0 0.94 0.90 2.7	1.0 0.025 0.94 0.050 0.90 0.050 2.7 0.10	1.0 0.025 1.000 0.94 0.050 1.000 0.90 0.050 1.000 2.7 0.10 3.000	1.0 0.025 1.000 0 0.94 0.050 1.000 0 0.90 0.050 1.000 0 2.7 0.10 3.000 0	1.0 0.025 1.000 0 101 0.94 0.050 1.000 0 94.2 0.90 0.050 1.000 0 90.4 2.7 0.10 3.000 0 89.8	1.0 0.025 1.000 0 101 75.3 0.94 0.050 1.000 0 94.2 80 0.90 0.050 1.000 0 90.4 82.8 2.7 0.10 3.000 0 89.8 83.9	1.0 0.025 1.000 0 101 75.3 123 0.94 0.050 1.000 0 94.2 80 124 0.90 0.050 1.000 0 90.4 82.8 121 2.7 0.10 3.000 0 89.8 83.9 122	1.0 0.025 1.000 0 101 75.3 123 0.94 0.050 1.000 0 94.2 80 124 0.90 0.050 1.000 0 90.4 82.8 121 2.7 0.10 3.000 0 89.8 83.9 122	1.0 0.025 1.000 0 101 75.3 123 0.94 0.050 1.000 0 94.2 80 124 0.90 0.050 1.000 0 90.4 82.8 121 2.7 0.10 3.000 0 89.8 83.9 122

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

R RPD outside accepted recovery limits

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 87105 TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: BLAGG Work Order Number: 1604B49 RcptNo: 1 Received by/date: Logged By: 4/27/2016 7:15:00 AM Lindsay Mangin Completed By: Lindsay, Mangin 4/27/2016 8:13:44 AM Reviewed By: Chain of Custody No Not Present Yes 1 Custody seals intact on sample bottles? No 🗌 Yes Not Present 2. Is Chain of Custody complete? 3 How was the sample delivered? Courier Log In 4. Was an attempt made to cool the samples? No 🗌 NA 🗌 Yes No [NA 🗌 5. Were all samples received at a temperature of >0° C to 6.0°C No 🗌 6. Sample(s) in proper container(s)? No | 7. Sufficient sample volume for indicated test(s)? Yes 🏟 No [8. Are samples (except VOA and ONG) properly preserved? No 🏟 NA 🗌 9. Was preservative added to bottles? Yes 10.VOA vials have zero headspace? Yes No | No VOA Vials No 🖈 Yes 11. Were any sample containers received broken? # of preserved bottles checked No 🗌 for pH: Yes 12. Does paperwork match bottle labels? (<2 or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? No | 13. Are matrices correctly identified on Chain of Custody? No 🗌 14. Is it clear what analyses were requested? Checked by: No _ 15. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) NA 🖈 16. Was client notified of all discrepancies with this order? Yes No 🗌 Person Notified: Date: By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: 17. Additional remarks: 18. Cooler Information Cooler No Temp °C Condition Seal Intact | Seal No Seal Date Signed By

1.3

Good

Yes



