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 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.
3969 Proposed Alte	Pit, Below-Grade Tank, or ernative Method Permit or Closure F	Plan Application
Type of action: Below 45 - 28759 Permit Modif Closur or proposed alternative meth Instructions: Please submit of	y grade tank registration t of a pit or proposed alternative method re of a pit, below-grade tank, or proposed alternati fication to an existing permit/or registration re plan only submitted for an existing permitted or	OIL CONS. DIV DIST. 3 ive method JAN 2 5 2016 r non-permitted pit, below-grade tank, -grade tank or alternative request
environment. Nor does approval relieve the operator 1.	of its responsibility to comply with any other applicable go	overnmental authority's rules, regulations or ordinances.
Address: 200 Energy Court, Farmington	n, NM 87401	
Facility or well name: <u>Gallegos Canyon U</u>	Jnit 412	
API Number: 3004528759	OCD Permit Number:	
	2 Township 28N Range 12W	
 2. Pit: Subsection F, G or J of 19.15.17.11 NM Temporary: Drilling Workover Permanent Emergency Cavitation 		
	Volume:bbl	Dimensions: Lx Wx D
3.		
Below-grade tank: Subsection I of 19.15.1	7.11 NMAC	
Volume: 95.0 bbl Type	of fluid: Produced water	the second s
Tank Construction material: Steel F; Der	19185S	
Secondary containment with leak detection [PVisible sidewalls, liner, 6-inch lift and automatic ov	verflow shut-off
☐ Visible sidewalls and liner ⊠ Visible sidew	walls only D Other Single walled/single botton	<u>m</u>
Liner type: Thicknessmi	1	
4.		

Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

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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.

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 acceptable source material are provided below. Siting criteria does not apply to drying pads or above-grade tanks. **General siting** Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank. Yes No NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells **NA** Yes No Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit . D NA NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells 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. (Does not apply to below grade tanks) Written confirmation or verification from the municipality; Written approval obtained from the municipality Within the area overlying a subsurface mine. (Does not apply to below grade tanks) Yes No Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division Within an unstable area. (Does not apply to below grade tanks) Yes No 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 **Below Grade Tanks** Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured Yes No 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

Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)

Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) - Topographic map; Visual inspection (certification) of the proposed site

Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial	Yes No
 application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	
- visual inspection (certification) of the proposed site, Actual photo, satellite image	
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	🗌 Yes 🗌 No
 Within 100 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site 	Yes No
Temporary Pit Non-low chloride drilling fluid	
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole,	
or playa lake (measured from the ordinary high-water mark).	
 Topographic map; Visual inspection (certification) of the proposed site 	Yes No
 Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	Yes No
Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock	
 watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No
 Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site 	Yes No
Permanent Pit or Multi-Well Fluid Management Pit	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa	
 lake (measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site 	Yes No
 Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	Yes No
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of	
 initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site 	Yes No
 Within 500 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No
^{10.} <u>Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist</u> : Subsection B of 19.15.17.9 N <i>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.</i>	
 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 	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 19.1 and 19.15.17.13 NMAC 	15.17.9 NMAC
Previously Approved Design (attach copy of design) API Number: or Permit Number:	
11. Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC	
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the 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.	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 	
Previously Approved Design (attach copy of design) API Number: or Permit Number:	Section 1

12. <u>Permanent Pits Permit Application Checklist</u> : Subsection B of 19.15.17.9 NMAC <i>Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the</i>	documents are
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 H₂S, Prevention Plan Emergency Response Plan 	
 Oil Field Waste Stream Characterization Monitoring and Inspection Plan 	
 Erosion Control Plan Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC 	
Proposed Closure: 19.15.17.13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.	
Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Multi-well F	luid Management Pit
Alternative Proposed Closure Method: Waste Excavation and Removal	
Waste Removal (Closed-loop systems only) On-site Closure Method (Only for temporary pits and closed-loop systems)	
In-place Burial On-site Trench Burial Alternative Closure Method	
14. Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be	
 closure plan. Please indicate, by a check mark in the box, that the documents are attached. Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC 	
15.	
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable sour provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. F 19.15.17.10 NMAC for guidance.	rce material are Please refer to
Ground water is less than 25 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	□ Yes □ No □ NA
 Ground water is more than 100 feet below the bottom of the buried waste. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells 	□ Yes □ No □ NA
 Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site 	Yes No
 Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	Yes No
 Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application. NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	Yes No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	Yes No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	
Form C-144 Oil Conservation Division Page 4 o	f 6

adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	
Within the and end him a sub-sufface mine	Yes No
 Within the area overlying a subsurface mine. Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division 	Yes No
Within an unstable area.	
 Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 	Yes No
Within a 100-year floodplain. - FEMA map	Yes No
16. On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure planes 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 Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Waste Material 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 canned Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	11 NMAC 15.17.11 NMAC
17.	
Operator Application Certification:	
I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and believed and be	ef.
Name (Print): Title:	
Name (Print): Title:	
Signature: Date:	
e-mail address: Telephone:	
18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature:	210016
OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature:	the closure report.
OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: OH Title: OCD Permit Number: OCD Permit Number: 19. Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC Instructions: Operators are required to obtain an approved closure plan prior to 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 of the closure activities.	the closure report.
OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: OIII Title: OCD Permit Number: Image: 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 a section of the form until an approved closure plan has been obtained and the closure activities have been completed.	the closure report. complete this

Oil Conservation Division

22. Operator Closure Certification:

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

Name	(Print)	1:

Signature:

Delas Mim

Steve Moskal

Title: Field Environmental Coordinator

Date: January 22, 2015

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

<u>Gallegos Canyon Unit 412</u> <u>API No. 3004528759</u> <u>Unit Letter M, Section 12, T28N, R12W</u>

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. Due to scheduling, the BGT closed within 24 hours of notice. The NMOCD was contacted and provided a notice to proceed. NMOCD was on

site during the removal of the BGT.

- 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 to a storage area for sale and re-use.

- 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 21 bbl BGT	Release Verification (mg/Kg)	Sample results
Benzene	US EPA Method SW-846 8021B or 8260B	0.2	< 0.048
Total BTEX	US EPA Method SW-846 8021B or 8260B	50	< 0.096
TPH	US EPA Method SW-846 418.1 or 8015 extended	100	<9.8
Chlorides	US EPA Method 300.0 or 4500B	250 or background	380

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. BTEX and TPH concentrations were below the stated limits. Chloride exceeded the standard but is likely associated with background concentrations. The laboratory report is attached.

- 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 no significant release has 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

Sample results demonstrate slightly elevated chloride levels that are likely associated with background concentrations. The concentration of chloride poses no threat to vegetation or groundwater. The location has been backfilled during final reclamation activities.

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 reclaimed as 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 reclaimed as 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 reclaimed as the well has been plugged and abandoned. Seeding has been completed and the area will be monitored until full reclamation is achieved. 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 reclaimed as the well has been plugged and abandoned. Seeding has been completed and the area will be monitored until full reclamation is achieved.

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.

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.

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

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

Oil Conservation Division

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

District IV 1220 S. St. Francis Dr., Santa Fe, NM	87505			St. Franc NM 875			ut	cordunce with		5.29 1111110.
	Rel	ease Notifi				ction				
	Tter			OPERA			Initic	al Report		Final Report
Name of Company: BP					ve Moskal		mine	пкероп		Гшаг кероп
Address: 200 Energy Court, 1	Farmington, N	M 87401			No.: 505-326-94	497				_
Facility Name: Gallegos Can				-	e: Natural gas			1.1		
					0					
Surface Owner: Fee		Mineral (Owner: Fe	ederal		A	'I No	. 30045287	59	
				OF REI				Sec. 1		
Unit Letter Section Town M 12 28N	ship Range 12W	Feet from the 1,010	North/South	outh Line	Feet from the 995	East/West I West	ine	County: Sa	n Juan	
	Latitude 30	5.67252		Longitude	-108.06831			145		
	_	NAT	TURE C	OF RELI	EASE	1.1	1.5			
Type of Release: none		11111			Release: unknow	vn Vol	ime R	ecovered: N	/A	
Source of Release: below grade	tank – 9 bbl	1.0			our of Occurrent		and l	Hour of Disc		November
Was Immediate Notice Given?			30161	If YES, To	Whom?	23,1	2015			
0.11/2 0		No 🗌 Not R		D					100	
By Whom? Was a Watercourse Reached?				Date and H	lume Impacting	the Watercour	P.A.		-	
was a watercourse Reached?	🗌 Yes 🛛	No		II 1E3, VO	nume impacting	the watercour	50.			
Describe Cause of Problem and BTEX and TPH below standards concentrations. The chloride con	. However, lab	oratory results for	r chloride	via Method	300.0 were 360	ppm and is lik	ely as	sociated with		
Describe Area Affected and Clea will be monitored.	anup Action Tak	ten.* BGT was an	n backfille	d during fin	al reclamation of	f the plugged a	nd ab	andoned wel	l pad.	Vegetation
I hereby certify that the informat regulations all operators are requ public health or the environment should their operations have faile or the environment. In addition, federal, state, or local laws and/o	ired to report ar . The acceptance ed to adequately NMOCD accept	nd/or file certain r ce of a C-141 repo investigate and r	release not ort by the I remediate o	ifications ar NMOCD ma contamination	ad perform correct arked as "Final R on that pose a thr	ctive actions for teport" does not reat to ground	or rele ot relie water,	eases which n eve the opera , surface wat	nay en itor of er, hui	danger liability nan health
Signature:	in				OIL CON	SERVATI	ON	DIVISIO	N	
Printed Name: Steve Moskal	2		Aj	pproved by	Environmental S	pecialist:			E.	
Title: Field Environmental Coord	dinator		Aj	pproval Dat	e:	Expira	tion I	Date:		
E-mail Address: steven.moskal@	bp.com		Co	onditions of	Approval:			Attached		
Date: January 22, 2016		: 505-326-9497								

Attach Additional Sheets If Necessary

bp



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

November 24, 2015

Bureau of Land Management Katherina Diemer 6251 College Suite A Farmington, NM 87402

VIA CERTIFIED MAIL – RETURN RECEIPT REQUESTED

Re: Notification of plans to close/remove a below grade tank Well Name: GALLEGOS CANYON UNIT 412 API #: 3004528759

Dear Mrs. Diemer,

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 November 30, 2015. 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)-326-9214.

Sincerely,

Charlie Davis

BP America Production Company

Moskal, Steven

From: Sent: To: Cc: Subject: Railsback, Farrah (CH2M HILL) Tuesday, November 24, 2015 9:28 AM Smith, Cory, EMNRD (Cory.Smith@state.nm.us) Moskal, Steven; 'blagg_njv@yahoo.com'; jeffcblagg@aol.com BP Pit Close Notification - GCU 412

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

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

November 24, 2015

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 412 API 30-045-28759 (M) Section 12 – T28N – R12W San Juan County, New Mexico

Dear Mr. Cory Smith:

In regards to the captioned subject and requirements of the NMOCD pit rule, this letter is notification that BP is planning to close a 9 bbl BGT that will no longer be operational at this well site. We anticipate this work to start on or around November 30, 2015.

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

Sincerely,

Steven Moskal BP Field Environmental Coordinator

1

CLIENT: BP	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	API #: 3004528759 TANK ID (if applicble): A
FIELD REPORT:	(circle one): BGT CONFIRMATION / RELEASE INVESTIGATION / OTHER:	PAGE #: _1_ of _1_
SITE INFORMATION QUAD/UNIT: M SEC: 12 TWP: 1/4 -1/4/FOOTAGE: 1,010'S / 995 LEASE #: SF078905	28N RNG: 12W PM: NM CNTY: SJ ST: NM	DATE STARTED: 11/25/15 DATE FINISHED: ENVIRONMENTAL SPECIALIST(S): JCB
2)	GPS COORD.: 36.67252 X 108.06831 DISTANCE/BEA GPS COORD.: DISTANCE/BEA	ARING FROM WH.:
2) SAMPLE ID: 3) SAMPLE ID:	CHAIN OF CUSTODY RECORD(S) # OR LAB USED: HALL . @ 3' SAMPLE DATE: 11/25/15 SAMPLE TIME: 1040 LAB ANALYSIS: 8015 SAMPLE DATE: SAMPLE TIME: LAB ANALYSIS: SAMPLE DATE: SAMPLE TIME: SAMPLE DATE: SAMPLE TIME: LAB ANALYSIS: SAMPLE DATE: SAMPLE TIME: LAB ANALYSIS: SAMPLE DATE: SAMPLE TIME: SAMPLE TIME: LAB ANALYSIS: SAMPLE TIME: SAMPLE DATE: SAMPLE TIME: SAMPLE TI	B / 8021B / 300.0 (CI) NA
SOIL COLOR: DARK YELLOW COHESION (ALL OTHERS): NON COHESIVE SUGHTLY CONSISTENCY (NON COHESIVE SOILS): LC MOISTURE: DRY /SLIGHTLY MOIST / MOIST	COHESIVE / COHESIVE / HIGHLY COHESIVE DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / COSE [FIRM] DENSE / VERY DENSE COSE [FIRM] DENSE / VERY DENSE COSE [FIRM] DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / COSE [FIRM] DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / COSE [FIRM] DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / COSE [FIRM] DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / COF PTS. 5 CO EXPLANATION - ANY AREAS DISPLAYING WETNESS: YES NO EXPLANATION - IS: LOST INTEGRITY OF EQUIPMENT: YES NO EXPLANATION - DAND/OR OCCURRED : YES NO EXPLANATION: EXPLANATION:	STIFF / VERY STIFF / HARD
SITE SKETCH	EAREST WATER SOURCE: >1,000' NEAREST SURFACE WATER: <200' NMOO BGT Located : off on site PLOT PLAN circle: attached OW TO CONCRETE NED DITCH WOODEN R.W. WOODEN R.W. BERM	TIMATION (Cubic Yards) : <u>NA</u> CD TPH CLOSURE STD: <u>100</u> ppm ICALIB. READ. = <u>NA</u> ppm ICALIB. GAS = <u>NA</u> ppm E <u>NA</u> an/pm DATE: <u>NA</u> MISCELL. NOTES VO: REF #: P - 207 MD: VBEBSOCOM J #: termit date(s): <u>06/14/10</u> CD Appr. date(s): <u>09/13/10</u> nk OVM = Organic Vapor Meter
NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATIO T.B. = TANK BOTTOM; PBGTL = PREVIOUS BEL	A RKER X - S.P.D. IN DEPRESSION; B.G. = BELOW GRADE; B = BELOW, T.H. = TEST HOLE; ~= APPROX.; W.H. = WELL HEAD; DW-GRADE TANK LOCATION; SPD = SAMPLE POINT DESIGNATION; R.W. = RETAINING WALL; NA - NOT WALL; DW - DOUBLE WALL; SB - SINGLE BOTTOM; DB - DOUBLE BOTTOM.	BGT Sidewalls Visible: Y / N BGT Sidewalls Visible: Y / N BGT Sidewalls Visible: Y / N BGT Sidewalls Visible: Y / N Magnetic declination: 10° E

Analytical Report

Lab Order 1511B65

Date Reported: 12/1/2015

Hall Environmental Analysis Laboratory, Inc.

 CLIENT:
 Blagg Engineering
 Client Sample ID: 9 BBL BGT 5-pt @ 3'

 Project:
 GCU 412
 Collection Date: 11/25/2015 10:40:00 AM

 Lab ID:
 1511B65-001
 Matrix: SOIL
 Received Date: 11/26/2015 11:00:00 AM

 Analyses
 Result
 RL Qual Units
 DF Date Analyzed
 Batch

, init joes	recourt	THE QU	ui onito	21	Dute Maijzed Daten
EPA METHOD 300.0: ANIONS					Analyst: LGT
Chloride	380	30	mg/Kg	20	11/30/2015 12:43:05 PM 22556
EPA METHOD 8015M/D: DIESEL RANG	E ORGANIC	S			Analyst: TOM
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	11/30/2015 12:34:30 PM 22542
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	11/30/2015 12:34:30 PM 22542
Surr: DNOP	99.6	70-130	%REC	1	11/30/2015 12:34:30 PM 22542
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	11/30/2015 11:50:18 AM A30514
Surr: BFB	80.6	66.2-112	%REC	1	11/30/2015 11:50:18 AM A30514
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.048	mg/Kg	1	11/30/2015 11:50:18 AM B30514
Toluene	ND	0.048	mg/Kg	1	11/30/2015 11:50:18 AM B30514
Ethylbenzene	ND	0.048	mg/Kg	1	11/30/2015 11:50:18 AM B30514
Xylenes, Total	ND	0.096	mg/Kg	1	11/30/2015 11:50:18 AM B30514
Surr: 4-Bromofluorobenzene	102	80-120	%REC	1	11/30/2015 11:50:18 AM B30514

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

Qual	ifi	er	s:
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- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to MatrixH 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

			stody Record	Turn-Around						F	łA	LL	E	NV	IF	20	N	٩E	NT	AL	
lent.	BP /	AMERICA	N	□ Standard		SAME DAK				-		AL	Y	SIS	5 L	A	30	RA	TO	RY	r
	RLAG	& ENG	WEERING, INC.	Project Name							www	w.ha	llenv	viron	men	tal.co	om				
ailing	Address	:	,	GCL	1 412	-		49	01 H	awk	ins M	NE -	Alb	ouau	erau	e. N	M 87	109			
				Project #:	Har				el. 50								4107				
ione #	t: 50	5-32	0-1183							18		and the second second		ysis			-				
	Fax#:			Project Mana	ger:		-	(VIU)	(0)				3	([†]							T
VQC F	Package: dard		Level 4 (Full Validation)	J.E	BLAGG		s (8021)	TPH (Gas only)	RO / MF			(SIMIS)		PO4,S(PCB's				-		
credi NEL		□ Othe	r	Sampler: J.			S-EINERS	HdT +	RO / DF	18.1)	04.1)	8270 S		3,NO2,	/ 8082		A)				r N)
EDD	(Type)					PC S			(GF	d 4	od 5(0 or	tals	I'NC	ides	8	07-	N			No
Date	Time	Matrix	Sample Request ID	Ar Illsolis Container Type and # Mest kit	Preservative Type	HEALING	BTEX + WHBE	BTEX + MTBE	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	CHURIDE			Air Bubbles (Y or N)
35/15	1040	SOIL	956L BLT -	1×402	Cool	-781	X		×				-					×		-	T
-15	10-10	3	5-00 8.3	1 100	400		\uparrow		-									~	-	+	+
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-		1.2.2.5					-												-	-	-
ate:	Time: 1214		g by: Bligg	Received by:		Date Time	Rer	nark	s: B VI				ER	50		200				-	
ate: 25/15	Time: 1300	Relinquishe	ed by:	Received by:	+ Waeta	Date Time 11/25/15 1300	-		6	NTA	ver :	5	TEV	SC	Mos	CA	2				

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

Hall Environmental Analysis Laboratory, Inc.

WO#: 1511B65 01-Dec-15

Client: Blagg Engineering Project: GCU 412

Sample ID MB-22556	SampType: MBLK	TestCode: EPA Method	300.0: Anions	
Client ID: PBS	Batch ID: 22556	RunNo: 30531		
Prep Date: 11/30/2015	Analysis Date: 11/30/2015	SeqNo: 932129	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			the property of the
	ND 1.5 SampType: LCS	TestCode: EPA Method	300.0: Anions	
		TestCode: EPA Method RunNo: 30531	300.0: Anions	
Sample ID LCS-22556 Client ID: LCSS	SampType: LCS		300.0: Anions Units: mg/Kg	
	SampType: LCS Batch ID: 22556 Analysis Date: 11/30/2015	RunNo: 30531		RPDLimit Qual

Qualifiers:

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

Page 2 of 5

Hall Environmental Analysis Laboratory, Inc.

Client: Blagg Engineering Project: GCU 412

Sample ID MB-22542 Client ID: PBS	SampType: MBLK Batch ID: 22542			Tes F	e Organics					
Prep Date: 11/30/2015	Analysis [Date: 1	1/30/2015	5	SeqNo: 9	31379	Units: mg/h	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10					1.00			127
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00	-	102	70	130	Status	Stiller	
Sample ID LCS-22542	Samp	Type: LC	s	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	1.00
Client ID: LCSS	Batc	h ID: 22	542	F	RunNo: 3	0504				
Prep Date: 11/30/2015	Analysis E	Date: 1	1/30/2015	S	SeqNo: 9	31380	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	91.1	57.4	139	1.00	12 1	
						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
- P Sample pH Not In Range
- RL Reporting Detection Limit

WO#: 1511B65 01-Dec-15

Page 3 of 5

Hall Environmental Analysis Laboratory, Inc.

Client: Blagg Engineering Project: GCU 412

Sample ID 5ML RB				TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS				F							
Prep Date:				5	SeqNo: 9	31954	Units: mg/h				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	ND	5.0									
Surr: BFB	810		1000		81.5	66.2	112	- NA	with a		
Sample ID 2.5UG GRO LCSC	Samp	Type: LC	s	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	TRI	
Client ID: LCSS	Batc	h ID: A3	0514	F	RunNo: 3	0514					
Prep Date:	Analysis E	Date: 1	1/30/2015	S	SeqNo: 9	31955	Units: mg/k	٢g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	23	5.0	25.00	0	92.2	79.6	122	100	10000	1000	

Qualifiers:

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

Page 4 of 5

01-Dec-15

WO#: 1511B65

Hall Environmental Analysis Laboratory, Inc.

Client: Blagg Engineering **Project:** GCU 412

Sample ID 5ML RB	SampType: MBLK Batch ID: B30514 Analysis Date: 11/30/2015			Tes						
Client ID: PBS				F	RunNo: 3	0514				
Prep Date:				S	SeqNo: 9	31979	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050		E. C.						
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000	14 1 3	105	80	120		Sec.	
Sample ID 100NG BTEX LCS	Samp	Type: LC	s	Tes	tCode: E	PA Method	8021B: Vola	tiles	ARA TO	
Client ID: LCSS	Batc	h ID: B3	0514	F	RunNo: 3	0514				
Prep Date:	Analysis [Date: 11	1/30/2015	S	BegNo: 9	31980	Units: mg/H	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.050	1.000	0	97.4	80	120	1000	1.18	
Toluene	0.91	0.050	1.000	0	90.6	80	120			
Ethylbenzene	0.91	0.050	1.000	0	91.1	80	120			
Kylenes, Total	2.6	0.10	3.000	0	88.1	80	120			
Surr: 4-Bromofluorobenzene	1.2		1.000		123	80	120			S

Qualifiers:

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

WO#: 1511B65

01-Dec-15

Page 5 of 5

Sample pH Not In Range

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environment Ai TEL: 505-345-397 Website: www.	4901 . Ibuquerque 75 FAX: 50	nple Log-In Check List				
Client Name: BLAGG	Work Order Numbe				RcptNo: 1		
Received by/date: AF 11/2/e/15			+				
Logged By: Anne Thorne 11	AM		anne Am	_			
Completed By: Anne Thorne 11	/30/2015			Anne Am	_		
Reviewed By:	1/30/15			Cierce Jo Com		S	
chain of Custody	1						
1. Custody seals intact on sample bottles?		Yes		No 🗌	Not Present		
2. Is Chain of Custody complete?		Yes	~	No 🗌	Not Present		
3. How was the sample delivered?		Courie	<u> 16</u>				
.og In							
4. Was an attempt made to cool the samples?	Yes		No 🗌				
5. Were all samples received at a temperature of	Yes		No 🗌				
6. Sample(s) in proper container(s)?	Yes		No 🗌				
7. Sufficient sample volume for indicated test(s)?		Yes	~	No 🗌			
8. Are samples (except VOA and ONG) properly p	preserved?	Yes	~	No 🗌			
9. Was preservative added to bottles?	Yes		No 🗹	NA 🗌			
0.VOA vials have zero headspace?		Yes		No 🗌	No VOA Vials		
1. Were any sample containers received broken?		Yes		No 🗹	# of preserved bottles checked	10.1	
2. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes		No 🗌	for pH: (<2 or >	12 unless noted		
3. Are matrices correctly identified on Chain of Cu	stody?		~	No 🗌	Adjusted?		
4. Is it clear what analyses were requested?		~	No 🗌				
5. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes		No 🗌	Checked by:		
pecial Handling (if applicable)							
6. Was client notified of all discrepancies with this	order?	Yes		No 🗆	NA 🗹		
Person Notified: By Whom: Regarding: Client Instructions:	Date Via:	eMai	Pho	one 🗌 Fax	In Person		
7. Additional remarks:							
8. <u>Cooler Information</u> Cooler No Temp °C Condition Seal	Intact Seal No	Seal Dal	e S	igned By			
1 3.9 Good Yes							

