District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

Type of action:

State of New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division 1220 South St. Francis Dr.

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office.

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

Pit, Closed-Loop System, Below-Grade Tank, or
Proposed Alternative Method Permit or Closure Plan Application

Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method

Santa Fe, NM 87505

✓ Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method Modification to an existing permit Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method
Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request
Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinance.
1. Operator: BP AMERICA PRODUCTION COMPANY OGRID #: 778
Address: 200 Energy Court, Farmington, NM 87401
Facility or well name: BARNES GAS COM D 001S
API Number: 3004532683 OCD Permit Number:
U/L or Qtr/Qtr D Section 24.0 Township 32.0N Range 11W County: San Juan County
Center of Proposed Design: Latitude 36.975789 Longitude -107.946573 NAD: ☐1927 ☒ 1983
Surface Owner: Federal State Private Tribal Trust or Indian Allotment
OIL CONS. DIV DIST. 3
Pit: Subsection For G. of 10.15.17.11.NMAC
Temporary: Drilling Workover
Permanent Emergency Cavitation P&A
Lined Unlined Liner type: Thicknessmil LLDPE HDPE PVC Other
☐ String-Reinforced
Liner Seams:
3.
Closed-loop System: Subsection H of 19.15.17.11 NMAC
Type of Operation: P&A Drilling a new well Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent)
☐ Drying Pad ☐ Above Ground Steel Tanks ☐ Haul-off Bins ☐ Other
Lined Unlined Liner type: Thickness mil LLDPE HDPE PVC Other
Liner Seams: Welded Factory Other Other
4.
Below-grade tank: Subsection I of 19.15.17.11 NMAC Tank ID: A
Volume: 95.0 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 ☐ DOUBLE WALLED DOUBLE BOTTOMED SIDEWALLS NOT VISIBLE
Liner type: Thicknessmil
5.
Alternative Method:
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for 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, 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								
Administrative Approvals 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: Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau of consideration of approval. Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	office for							
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 acceptant material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of a Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to dry above-grade tanks associated with a closed-loop system.								
Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No							
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 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applies to temporary, emergency, or cavitation pits and below-grade tanks) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	Yes No							
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applies to permanent pits) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	Yes No							
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, 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 incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No							
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ 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							

Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment 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. Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC Previously Approved Design (attach copy of design) API Number: or Permit Number: or Permit Number:
Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC
Previously Approved Design (attach copy of design) API Number:
Previously Approved Operating and Maintenance Plan API Number:
Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the 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 H ₂ S, Prevention Plan Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Erosion Control Plan Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
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 Closed-loop System 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 (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached. Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F 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 G of 19.15.17.13 NMAC

Disposal Facility Name: Disposal Facility Permit Number: Disposal Pacility Permit Number: Disposal Pacility Permit Number: Disposal Pacility Permit Number: Disposal Pacility Permit	Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.D NMAC) Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required.										
Disposal Facility Name: Disposal Facility Permit Number:											
Williany of the proposed closed-loop system operations and associated activities occur on or in areas that will not be used for future service and operations? Yes (If yes, please provide the information below) No No No No No No No N											
Soil Backfill and Cover Design Specifications based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC Instructions: Each stding criteria requires a demonstration of compilance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain stding criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance. Ground water is less than 50 feet below the bottom of the buried waste. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells 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 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 Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site Within incorporated municipal boundaries or within a defined municipal fresh water well or spring, in existence at the time of initia	Will any of the proposed closed-loop system operations and associated activities occur on or in areas that will not be used for future service and operation										
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 Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved) 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 I of 19.15.17.13 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 belief.
Name (Print): Title:
Signature: Date:
e-mail address: Telephone:
OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Title: OCD Permit Number:
Closure Report (required within 60 days of closure completion): Subsection K of 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. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed. Closure Completion Date: 12 4 20 6
22. Closure Method: Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-loop systems only) If different from approved plan, please explain.
Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: Instructions: Please indentify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.
Disposal Facility Name: Disposal Facility Permit Number:
Disposal Facility Name: Disposal Facility Permit Number: Were the closed-loop system operations and associated activities performed on or in areas that will not be used for future service and operations? Yes (If yes, please demonstrate compliance to the items below) No
Required for impacted areas which will not be used for future service and operations: Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique
Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark 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) □ Plot Plan (for on-site closures and temporary pits) □ Confirmation Sampling Analytical Results (if applicable) □ Waste Material Sampling Analytical Results (required for on-site closure) □ Disposal Facility Name and Permit Number □ Soil Backfilling and Cover Installation □ Re-vegetation Application Rates and Seeding Technique □ Site Reclamation (Photo Documentation) □ On-site Closure Location: Latitude 36.975789 Longitude -107.946573 NAD: □1927 ▼ 1983
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): Steve Moskal Title: Field Environmental Coordinator
Signature:
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

Barnes GC D # 1S - Tank ID: A API #: 3004532683 Unit Letter D, Section 24, T32N, R11W

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 was provided and documented in the attached email.

- 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/or sludge within the BGT were removed and sent to one of the above NMOCD approved facilities for disposal.

4. BP shall remove the BGT and dispose of it in a NMOCD approved facility or recycle, reuse, or reclaim it in a manner that the NMOCD approves. If a liner is present and must be disposed of it will be cleaned by scraping any soils or other attached materials on the liner to a de minimus amount and disposed at a permitted solid waste facility, pursuant to Subparagraph (m) of Paragraph (1) of Subsection C of 19.15.35.8 NMAC. Documentation as to the final disposition of the removed BGT will be provided in the final closure report.

The BGT was transported for recycling.

5. BP shall remove any on-site equipment associated with a BGT unless the equipment is required for well production.

All equipment associated with the BGT has been removed.

6. BP shall test the soils beneath the BGT to determine whether a release has occurred. BP shall collect at a minimum: a five (5) point composite sample and individual grab samples from any area that is wet, discolored or showing other evidence of a release and analyze for BTEX, TPH and chlorides. The testing methods for those constituents are as follows;

Constituents	Testing Method	Release Verification	Sample
		(mg/Kg)	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	< 0.080
TPH	US EPA Method SW-846 418.1	100	<49
Chlorides	US EPA Method 300.0 or 4500B	250 or background	35

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 beneath the BGT was sampled for TPH, BTEX, and chloride. All test parameters were below the stated limits. A field and laboratory reports are attached.

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

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

Sampling results reveal no evidence of a 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, nonwaste 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 reveal no evidence of a release has occurred. Area was backfilled with clean, earthen material and is within the active well pad. This area will be reclaimed since the gas well has been plugged & 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 over the BGT will be part of the final reclamation since the gas well has been plugged & 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 over the BGT will be part of the final reclamation since the gas well has been plugged & 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 over the BGT will be part of the final reclamation since the gas well has been plugged & 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 over the BGT will be part of the final reclamation since the gas well has been plugged & abandoned.

- 14. Pursuant to Paragraph (5) of Subsection I of 19.15.17.13 NMAC, BP shall notify the NMOCD when it has seeded or planted and when it successfully achieves re-vegetation.
 - BP will notify NMOCD when re-vegetation is successfully completed.
- 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 & contains a photo of the 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
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

* Attach Additional Sheets If Necessary

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

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

Release Notification and Corrective Action																
						OPERA	ΓOR		Initia	al Report	\boxtimes	Final Report				
Name of Co	mpany B	P America l	Producti	on Company		Contact Steve Moskal										
		Court, Farr				Telephone No. (505) 326-9497										
Facility Nar	ne BARN	IES GAS CO	OM D 00	01S		Facility Typ	e Natural Gas	Well								
Surface Ow	ner Priva	te/Fee		Mineral C)wner	Private/Fee			API No	. 3004532	2683					
				LOCA	TIC	ON OF RE	LEASE									
Unit Letter	Section	Township	Range	Feet from the	***	orth/South Line Feet from the East/West Line County										
										SAN JU	JAN					
Latituda 26.075790 Laurituda 107.046573																
	Latitude <u>36.975789</u> Longitude <u>-107.946573</u>															
NATURE OF RELEASE Type of Release NONE – BGT CONFIRMATION SAMPLING Volume of Release N/A Volume Recovered N/A																
		APPLICAB			G		Release N/A Iour of Occurrence	e N/A		Hour of D		v N/A				
Was Immedia			DE (1471)			If YES, To		1472	Dute une	riour or D	isco ver	, 1,,,,,				
			Yes [No Not Re	equired											
By Whom?						Date and H	lour									
Was a Water	course Read			1		If YES, Vo	lume Impacting t	he Water	rcourse.							
			Yes 🛚	No												
If a Watercourse was Impacted, Describe Fully.*																
THEREFORE	Describe Cause of Problem and Remedial Action Taken.* NO INDICATION OF ANY INTEGRITY &/OR MAINTENANCE PROBLEMS WITH THE BGT, THEREFORE NO REMEDIAL ACTION NECESSARY. SAMPLING BENEATH BGT WAS CONDUCTED IMMEDIATELY AFTER REMOVAL. FIELD & LABORATORY ANALYTICAL REPORTS ARE ATTACHED.															
THE BGT LO	Describe Area Affected and Cleanup Action Taken.* NO CLEANUP ACTION NECESSARY. FINAL LABORATORY RESULTS SUPPORT CLOSURE OF THE BGT LOCATION.															
regulations al public health should their of or the environ	I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.									danger liability nan health						
						OIL CONSERVATION DIVISION										
Signature:	Alon	Mu														
							Environmental S	pecialist:								
		ield Coordina	ator			Approval Dat	e:	Е	xpiration l	Date:						
		moskal@bp.c				Conditions of		•		Attached						
Date: Februa	ry 6, 2017		Phone:	(505) 326-9497						Attached						

BP Pit Close Notification - BARNES GAS COM D 001S

11/28/16 at 10:45 AM

From: Moskal, Steven <Steven.Moskal@bp.com>

To: Smith, Cory, EMNRD, Fields, Vanessa, EMNRD (Vanessa.Fields@state.nm.us) CC:

jeffcblagg@aol.com blagg_njv@yahoo.com Beebe, Sabre Webber, Trenton gekosi@gobrainstorm.net Railsback, Farrah

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

November 28, 2016

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

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

BARNES GAS COM D 001S API 30-045-32683 (D) Section 24 - T32N - 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 one 95bbl BGT that will no longer be operational at this well site. We anticipate this work to start on or around December 1, 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

Steve Moskal BP Lower 48 - San Juan - Farmington Field Environmental Coordinator

Office: (505) 326-9497 Cell: (505) 330-9179



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bp



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

November 28, 2016

Kennon Decker 141 Road 2300 Aztec, NM 87410

VIA CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Re: Notification of plans to close/remove a below grade tank Well Name: Barnes Gas Com D 001S

Dear Mr. Decker.

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, 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

CLIENT: BP	API #:3004532683 TANK ID (if applicble):A		
FIELD REPORT:	(circle one): BGT CONFIRMATION / RELEASE INVES	TIGATION / OTHER:	PAGE#: 1 of 1
SITE INFORMATION	SITE NAME: BARNES GC D	# 1S	DATE STARTED: 12/02/16
QUAD/UNIT: D SEC: 24 TWP:	32N RNG: 11W PM: NM C	ITY: SJ ST: NM	DATE FINISHED:
1/4-1/4/FOOTAGE: 785'N / 985'\	NW/NW LEASE TYPE: FEDER		ENVIRONMENTAL
LEASE #:	ROD. FORMATION: FT CONTRACTOR:	KELLEY Ó.F.S. KELLEY - K. JOHNSON	SPECIALIST(S): NJV
REFERENCE POINT	WELL HEAD (W.H.) GPS COORD.:	36.97560 X 107.94680	GL ELEV.: 6,201'
95 BGT (SW/DB)	GPS COORD.: 36.975789 X 10	7.946573 DISTANCE/BEA	RING FROM W.H.: 91', N47.5E
2)	GPS COORD.:	DISTANCE/BEA	RING FROM W.H.:
3)	GPS COORD.:	DISTANCE/BEA	RING FROM W.H.:
4)	GPS COORD.:	DISTANCE/BEA	RING FROM W.H.:
SAMPLING DATA:	CHAIN OF CUSTODY RECORD(S) # OR LAB USED:	HALL	OVM READING (ppm)
1) SAMPLE ID: 5PC - TB @ 5'	95) SAMPLE DATE: 12/02/16 SAMPLE TIM	1230 LAB ANALYSIS: 801	
2) SAMPLE ID:	SAMPLE DATE:SAMPLE TIM	E LAB ANALYSIS:	
3) SAMPLE ID:	SAMPLE DATE: SAMPLE TIM	E: LAB ANALYSIS:	
4) SAMPLE ID:	SAMPLE DATE:SAMPLE TIM	E LAB ANALYSIS:	
SOIL DESCRIPTION	SOIL TYPE: SAND SILTY SAND SILT / SILTY CLAY	CLAY / GRAVEL / OTHER	
SOIL COLOR: MODERATE TO DA	DICYCLI CHILD DECIMAL		OHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC
CONSISTENCY (NON CONSIS		SIVE CLAYS & SILTS): SOFT / FIRM /	STIFF / VERY STIFF / HARD
CONSISTENCY (NON COHESIVE SOILS): LC MOISTURE: DRY/SLIGHTLY MOIST/ MOIST / WA		TED: YES NO EXPLANATION -	
SAMPLE TYPE: GRAB (COMPOSITE) #	OF PTS ANY AREAS DISP	AYING WETNESS: YES NO EXPLAN	NATION -
DISCOLORATION/STAINING OBSERVED: YES N			
	S: LOST INTEGRITY OF EQUIPMENT: YES NO EXPLA		
EQUIPMENT SET OVER RECLAIMED AREA:	AND/OR OCCURRED: YES NO EXPLANATION:ES NO EXPLANATION -		
OTHER: GAS WELL RECENTLY PLUGGED	& ABANDONED (P&A). NMOCD REP. NOT PRESE	NT TO WITNESS CONFIRMATION	SAMPLING.
SOIL IMPACT DIMENSION ESTIMATION:	NA ft. X NA ft. X N	A ft. EXCAVATION EST	TIMATION (Cubic Yards) : NA
	AREST WATER SOURCE: >1,000' NEAREST SUR		D TPH CLOSURE STD: 100 ppm
SITE SKETCH	BGT Located : off I on site PLOT	PLAN circle: attached OWN	CALIB. READ. = NA ppm RF = 0.52
_	SEPARATOR		CALIB. READ. = NA ppm RF = 0.52 CALIB. GAS = NA ppm
			: NA am/pm DATE: NA
	BGTL B. ~ 5'	··· =	MISCELL. NOTES
	B.G. FENCE	I w	/O:
	(X X X)		EF#:
		ID: VBEEBSOPLG	
	P	J#: X7-006RQ-E:REST	
	Pe	ermit date(s): 06/14/10	
	BERM PROD. TANK	O Tar	CD Appr. date(s): 02/22/11 ovided CD Appr. date(s): 02/22/11 ovided CD Appr. date(s): 02/22/11
	IAIN	IC	ppm = parts per million
W.H.), a = A	BGT Sidewalls Visible: Y / N BGT Sidewalls Visible: Y / N
Φ		X - S.P.D.	BGT Sidewalls Visible: Y / N
T.B. = TANK BOTTOM; PBGTL = PREVIOUS BELO	I DEPRESSION; B.G. = BELOW GRADE; B = BELOW; T.H. = TEST HC W-GRADE TANK LOCATION; SPD = SAMPLE POINT DESIGNATION; WALL; DW - DOUBLE WALL; SB - SINGLE BOTTOM; DB - DOUBLE BA	R.W. = RETAINING WALL; NA - NOT	lagnetic declination: 10° E
NOTES: GOOGLE FARTH IMAGE		E: 12/02/16	

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

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

Project: Barnes GC D 1S

Collection Date: 12/2/2016 12:30:00 PM

Lab ID: 1612117-001

Matrix: MEOH (SOIL)

Received Date: 12/3/2016 8:00:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	MRA
Chloride	35	30	mg/Kg	20	12/5/2016 1:38:15 PM	28994
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANIC	S			Analyst:	TOM
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	12/5/2016 12:35:07 PM	28987
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	12/5/2016 12:35:07 PM	28987
Surr: DNOP	90.9	70-130	%Rec	1	12/5/2016 12:35:07 PM	28987
EPA METHOD 8015D: GASOLINE RAI	NGE				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.0	mg/Kg	1	12/5/2016 11:29:15 AM	28975
Surr: BFB	85.8	68.3-144	%Rec	1	12/5/2016 11:29:15 AM	28975
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.020	mg/Kg	1	12/5/2016 11:29:15 AM	28975
Toluene	ND	0.040	mg/Kg	1	12/5/2016 11:29:15 AM	28975
Ethylbenzene	ND	0.040	mg/Kg	1	12/5/2016 11:29:15 AM	28975
Xylenes, Total	ND	0.080	mg/Kg	1	12/5/2016 11:29:15 AM	28975
Surr: 4-Bromofluorobenzene	97.7	80-120	%Rec	1	12/5/2016 11:29:15 AM	28975

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

Chain-of-Custody Record				Turn-Around	Time:	SAME				Н	ΔI	LE	=N	VTI	RO	NI	ИE	NΤ	ΓΔΙ	Ĺ	
Client: BLAGG ENGR. / BP AMERICA			☐ Standard	☑ Rush _	DAY																
***************************************				Project Name:				ANALYSIS LABORATORY www.hallenvironmental.com													
Mailing A	ddress:	P.O. BO	X 87	ВА	RNES GC I	D # 1S		490)1 H									9			
N .0		BLOOM	FIELD, NM 87413	Project #:			4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107														
Phone #:		(505) 63	····				Analysis Request									91.6					
email or F	ax#:	(000)		Project Mana	ger:											34.5					
QA/QC Package: ☑ Standard ☐ Level 4 (Full Validation)				NELSON V	ELEZ	(8021B)	MTBE + TPH (Gas only)	/ MRO)			(2)	05,00	PCB's			ter - 300.1)			n)		
Accreditat				Sampler:	NELSON V	ELEZ 97V	8)	(Gas	DRO,	17		<u>S</u>	6	8082			/ water			sample	
□ NELAP	•	□ Other		On Ice:	∠ Yes		1	표	0/0	118.	504.	82/0SIMIS)	- 6	8/8		(A)	300.0		-	e sa	r N)
□ EDD (1	ype)			Sample Temp	erature: [[[AC 1	#	3E +	(GRC	pod 7	bol	5 7	N	cide	(A)	i-VC	1 1		e	osit	(Y o
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO.	BTEX +-MT	BTEX + MT	TPH 8015B (GRO /	TPH (Method 418.1)	EDB (Method 504.1)	PAH (8310 or 8	Anions (F.Cl. NO. NO. PO. SO.)	8081 Pesticides /	8260B (VOA)	8270 (Semi-VOA)	Chloride (soil		Grab sample	5 pt. composite	Air Bubbles (Y or N)
12/2/16	1230	SOIL	5PC - TB @ 💆 ' (95)	4 oz 1	Cool	-001	٧		٧								V			V	
													\top								
		,																	1		
											\top		+	1	1				1		
-								\dashv		_	十	-	+	+	+-				+	-	
•							\vdash	_			_	+	+	+					\dashv	\dashv	
							\vdash				-	+	+	+	-		H	-	\dashv	\dashv	
							\vdash			-	+	+	+	+	-	-		\vdash	\dashv	\dashv	
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									_	-	+	+	+	+	\vdash	-	\vdash		\dashv	\dashv	
								-			\dashv	+	-		┿		\sqcup	\vdash	\dashv	\dashv	
					1			-			+	+	_	+	-	-	H				
Data	T:	Delineurich	and has	Reseived by		Date Time	Por	arks		BULD	IBECTI	VTOP	n usu	16 TU	CIBCI	ED CC	INTAC	TANIT			
Date: / Time: Relinquished by: / 12/2/16 1609			Received by: Date Time And Volto-12/2016 1609			Remarks: BILL DIRECTLY TO BP USING THE CIRCLED CONTACT WI CORRESPONDING VID & REFERENCE # WHEN APPLICA Contact: Steve Moskal															
Date: Time: Relinquished by:		Received by: Date Time			VID: ZBEEBSOPLG GL: 745277 AFE #: X7-006RQ-E:REST																
17/14	If necessary,	samples sub	mitted to Hall Environmental may be su	bcontracted to other	accredited laboratori	es. This serves as notice	of this	possib	oility.	Any sul	o-contr	acted o	lata wi	l be cle	early no	otated	on the	analyt	ical re	port.	

Hall Environmental Analysis Laboratory, Inc.

WO#:

1612117 06-Dec-16

Client:

Blagg Engineering

Project:

Barnes GC D 1S

Sample ID MB-28994

SampType: mblk

TestCode: EPA Method 300.0: Anions

LowLimit

Client ID:

Batch ID: 28994

RunNo: 39175

Prep Date: Analyte

12/5/2016

Analysis Date: 12/5/2016

1.5

SeqNo: 1225529

Units: mg/Kg

HighLimit

RPDLimit

Qual

Chloride

Result PQL ND

SampType: Ics

TestCode: EPA Method 300.0: Anions

%RPD

Sample ID LCS-28994

LCSS

Batch ID: 28994

RunNo: 39175

Prep Date: 12/5/2016

Analysis Date: 12/5/2016

SeqNo: 1225530

Units: mg/Kg

Analyte

Client ID:

Result

SPK value SPK Ref Val

LowLimit

RPDLimit

%RPD

15.00

HighLimit

110

14

SPK value SPK Ref Val %REC

95.9

Qual

Chloride

PQL 1.5

0

%REC

90

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix D

H Holding times for preparation or analysis exceeded

ND

RPD outside accepted recovery limits R

Analyte detected in the associated Method Blank В

E Value above quantitation range

Analyte detected below quantitation limits

Page 2 of 5

P Sample pH Not In Range

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

Qualifiers:

Not Detected at the Reporting Limit

% Recovery outside of range due to dilution or matrix

Hall Environmental Analysis Laboratory, Inc.

WO#:

1612117

06-Dec-16

Client:

Blagg Engineering

Project:

Barnes GC D 1S

Sample ID MB-28987 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: **PBS** Batch ID: 28987 RunNo: 39131 Analysis Date: 12/5/2016 Prep Date: 12/5/2016 SeqNo: 1224588 Units: mg/Kg Result SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Analyte PQL Qual Diesel Range Organics (DRO) ND 10 Motor Oil Range Organics (MRO) ND 50 Surr: DNOP 9.8 10.00 98.0 70 130

Sample ID LCS-28987	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics										
Client ID: LCSS	Batch ID: 28987 RunNo: 39131										
Prep Date: 12/5/2016 Analysis Date: 12/5/2016 SeqNo: 1224590 Units: mg/Kg											
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	49 10	50.00	0	98.6	62.6	124					
Surr: DNOP	4.8	5.000		96.0	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.

WO#:

1612117

06-Dec-16

Client:

Blagg Engineering

Project:

Barnes GC D 1S

Sample ID MB-28975

SampType: MBLK

TestCode: EPA Method 8015D: Gasoline Range

Client ID:

PBS

Batch ID: 28975

RunNo: 39140

Prep Date:

12/2/2016

%REC

Units: mg/Kg

144

Analyte

Client ID:

Analysis Date: 12/5/2016 PQL

SeqNo: 1224951

HighLimit

RPDLimit

Qual

Gasoline Range Organics (GRO)

5.0

80.7

68.3

TestCode: EPA Method 8015D: Gasoline Range

LowLimit

%RPD

Surr: BFB

ND 810

Result

1000

SPK value SPK Ref Val

Sample ID LCS-28975

Prep Date: 12/2/2016

LCSS

SampType: LCS Batch ID: 28975

25.00

1000

RunNo: 39140

%REC

SeqNo: 1224952

Units: mg/Kg

HighLimit %RPD **RPDLimit** Qual

Analyte Gasoline Range Organics (GRO) Surr: BFB

Result PQL

21

860

Analysis Date: 12/5/2016 SPK value SPK Ref Val

5.0

0 85.0 86.5 74.6 68.3

LowLimit

123 144

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

Page 4 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#:

1612117

06-Dec-16

Client:

Blagg Engineering

Project:

Barnes GC D 1S

Sample ID MB-28975	SampType: MBLK			Test						
Client ID: PBS	Batch ID: 28975			R	tunNo: 3	9140				
Prep Date: 12/2/2016	Analysis Date: 12/5/2016			SeqNo: 1224968			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.94		1.000		93.7	80	120			

Sample ID LCS-28975	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 28975			F						
Prep Date: 12/2/2016	Analysis Date: 12/5/2016			S	SeqNo: 1	224969	Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	108	75.2	115			
Toluene	0.99	0.050	1.000	0	99.1	80.7	112			
Ethylbenzene	0.95	0.050	1.000	0	95.5	78.9	117			
Xylenes, Total	2.8	0.10	3.000	0	94.6	79.2	115			
Surr: 4-Bromofluorobenzene	1.0		1.000		99.9	80	120			

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 87109

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

Sample Log-In Check List

Client Name: BLAGG V	Vork Order Number:	1612	117			RcptNo:	1
Received by/date:	103/16						
The state of the s	1 110			Simbut H			
	3/2016 8:00:00 AM						
1	5/2016 7:27:40 AM			January 44	Sales De la Constitución de la C		
Reviewed By: # 12/05/10	0						
Chain of Custody							
1. Custody seals intact on sample bottles?		Yes		No [Not Present ✓	
2. Is Chain of Custody complete?		Yes	Y	No .		Not Present	
3. How was the sample delivered?			ier				
Log In							
4. Was an attempt made to cool the samples?		Yes	~	No [NA [_]	
5. Were all samples received at a temperature of	>0° C to 6.0°C	Yes	✓	No [NA 🗔	
6. Sample(s) in proper container(s)?		Yes	V	No [
7. Sufficient sample volume for indicated test(s)?		Yes	V	No [
8. Are samples (except VOA and ONG) properly pr	reserved?	Yes	~	No [
9. Was preservative added to bottles?		Yes		No S		NA 🗔	
10.VOA vials have zero headspace?		Yes		No [No VOA Vials	
11. Were any sample containers received broken?		Yes		No 8	V	# of preserved	
			_	-	_	bottles checked	
12.Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes	V	No L	_	for pH:	>12 unless noted)
13. Are matrices correctly identified on Chain of Custody?			~	No [Adjusted?	
14. Is it clear what analyses were requested?	,	Yes	~	No [
15. Were all holding times able to be met?			~	No E		Checked by:	
(If no, notify customer for authorization.)					I.		**************************************
Special Handling (if applicable)			_			-	
16. Was client notified of all discrepancies with this of	order?	Yes		No L		NA 🗹	
Person Notifled:	Date:						
By Whom:	Via:] eMa	il 🗌	Phone F	ax	☐ In Person	
Regarding:							
Client Instructions:						1. S	
17. Additional remarks:							
18. Cooler Information							
Cooler No Temp °C Condition Seal In	ntact Seal No Se	eal Da	te	Signed By			
1 1.1 Good Yes			-		n/ half 1,670 (a		



