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

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

Form C-144 Revised April 3, 2017

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

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

			Pit, Below-	Grade Tank, or		NMOCD
304	Propo	sed Alternat	tive Method 1	Permit or Closure	Plan Application	1
	Type of action:	Below grad	e tank registration			MAR 2 2 2018
	7.1	Permit of a	pit or proposed alt			
				tank, or proposed altern	ative method	DISTRICT III
				rmit/or registration or an existing permitted	or non-permitted pit, be	elow-grade tank.
	or proposed alte			er er	p.,	State than,
	Instructions: Plea	ase submit one app	olication (Form C-1	44) per individual pit, belo	ow-grade tank or alternati	ve request
Please be advise environment. N	d that approval of this re or does approval relieve	equest does not relie the operator of its re	ve the operator of lial esponsibility to comp	pility should operations result with any other applicable	lt in pollution of surface wat governmental authority's ru	ter, ground water or the les, regulations or ordinances.
Operator: BP	America Production	on Company		OGRID #:	778	
Address: 200	Energy Court, Far	mington, NM 87	7401			
	Il name: JONES LS					
			(OCD Permit Number:		
U/L or Otr/Ot	r L Se	ction 35	Township 29N	Range 08W	County: San Juan	
Center of Prot	posed Design: Latitude	36.68034		Longitude -107.65173		NAD83
	r: Federal State					
	i. 🔄 i edelai 🗀 State		Tube of Indian 1			
2.	section F, G or J of 19	15 17 11 NMAC				
	Drilling Workov					
			☐ Multi-Well Flui	d Management	Low Chloride Drilling Flu	uid □ ves □ no
	7				Other	
String-Rein		Tillekiless			Other	
		D Oth		Valuma	hhl Dimanaiana. I	W D
Liner Seams:	☐ welded ☐ Factor	y 🔲 Other		voiume:	bbl Dimensions: L	_x wx D
3,			Τ/	NK B		
	de tank: Subsection		IVIAC			
	b	bl Type of fluid:	Produced water			
Tank Construc	ction material: Steel					
Secondary	y containment with leal	k detection Vi	sible sidewalls, line	r, 6-inch lift and automatic	overflow shut-off	
☐ Visible sie	dewalls and liner	Visible sidewalls o	nly Other Sin	gle wall/ Double botto	m; sidewalls not visible	9
Liner type: Th	hickness	mil 🗌	HDPE ☐ PVC ☐	Other		_
4.						
Alternativ	e Method:					
Submittal of a	n exception request is	required. Exception	ons must be submitte	ed to the Santa Fe Environ	mental Bureau office for co	onsideration of approval.
5.						
	section D of 19.15.17.	11 NMAC (Applies	s to permanent pits.	temporary pits, and below	-grade tanks)	
					et of a permanent residence	e, school, hospital.
institution or o			ar top (modern o	y .comes	- J - F	,,,
Four foot h	neight, four strands of b	parbed wire evenly	spaced between one	and four feet		
Alternate.	Please specify					

6.								
Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)								
☐ Screen ☐ Netting ☐ Other								
☐ Monthly inspections (If netting or screening is not physically feasible)								
7. Signs: Subsection C of 19.15.17.11 NMAC								
12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers								
☐ Signed in compliance with 19.15.16.8 NMAC								
8, 8,								
<u>Variances and Exceptions:</u> 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. 								
Exception(s). Requests must be submitted to the Sama Fe Environmental Bureau office for consideration of approval.								
9.								
Siting Criteria (regarding permitting): 19.15.17.10 NMAC								
Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptant are provided below. Siting criteria does not apply to drying pads or above-grade tanks.	otable source							
material are provided below. Sitting effectia does not apply to drying pads of above-grade tanks.								
General siting								
Constitution in least the 25 feet below the bettern of a less able wide temporary sit on below and deads								
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes☐ No☐ NA							
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No							
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	☐ 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) - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No							
Within an unstable area. (Does not apply to below grade tanks)	□ Vas □ Na							
 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)	Yes No							
- 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).	l les l No							
- Topographic map; Visual inspection (certification) of the proposed site								
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No							
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)								
Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole,								
or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No							
Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial	☐ Yes ☐ No							
application.	103 <u></u>							
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image								
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No							

Within 100 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit Non-low chloride drilling fluid	
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet of a wetland US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Permanent Pit or Multi-Well Fluid Management Pit	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	Yes No
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 Natural Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the docattached. Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19. and 19.15.17.13 NMAC Previously Approved Design (attach copy of design) API Number: or Permit Number: or Permit Number:	NMAC 15.17.9 NMAC
II. M. M. H. Fleid Management Pit Charleite. Coloration D. 610 15 17 0 NDAAC	
Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the doc attached. Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC A List of wells with approved application for permit to drill associated with the pit. Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19 and 19.15.17.13 NMAC Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC 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:	
	-

Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the attached. Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.19 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Climatological Factors Assessment Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC Quality Control/Quality Assurance Construction and Installation Plan Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Nuisance or Hazardous Odors, including H ₂ S, Prevention Plan Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Erosion Control Plan Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC	documents are
Proposed Closure: 19.15.17.13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan. Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Multi-well F Alternative Proposed Closure Method: Waste Excavation and Removal Waste Removal (Closed-loop systems only) On-site Closure Method (Only for temporary pits and closed-loop systems) In-place Burial On-site Trench Burial Alternative Closure Method	luid Management Pit
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be closure plan. Please indicate, by a check mark in the box, that the documents are attached. Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	
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. In 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
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
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	Yes No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	Yes No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	

adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological	
Society; Topographic map	☐ Yes ☐ No
Within a 100-year floodplain FEMA map	☐ Yes ☐ No
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17. Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.13 NMAC Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	11 NMAC 15.17.11 NMAC
17. Operator Application Certification:	
I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and believe	ef.
Name (Print): Title:	
Signature: Date:	
e-mail address:	
18. OCD Approval: Permit Application (including closure plan) Closure Plan (only). CCD Conditions (see attachment)	,
OCD Representative Signature: Approval Date: 3/3	0/18
Title: Environmental Spec OCD Permit Number:	
Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not section of the form until an approved closure plan has been obtained and the closure activities have been completed. Closure Completion Date: 1/24/2018	
Closure Method: Waste Excavation and Removal On-Site Closure Method Alternative Closure Method Waste Removal (Closed-lo If different from approved plan, please explain.	op systems only)
Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please into 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 for private land only) □ 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 36.68034 NAD: □1927	

	22.	
t	Operator Closure Certification:	
		nitted 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 app	blicable closure requirements and conditions specified in the approved closure plan.
	Name (Print): Erin Garifalos	Title: Field Environmental Coordinator
	erin garifalos	
	Signature:	Date: March 20, 2018
1	e-mail address: erin.garifalos@bp.com	Telephone: (832) 609-7048

BP AMERICA PRODUCTION COMPANY

SAN JUAN BASIN, NORTHWEST NEW MEXICO

BELOW-GRADE TANK CLOSURE PLAN

JONES LS 002

API No. 3004507651

Unit Letter L Section 35 T 29N R 08W

This plan will address the standard protocols and procedures for closure of below-grade tanks (BGTs) on BP America Production Company (BP) well sites. As stipulated in Paragraph A of 19.15.17.13 NMAC, BP shall close a BGT within the time periods provided in 19.15.17.13 NMAC, or by an earlier date that the New Mexico Oil Conservation Division (NMOCD) requires because of imminent danger to fresh water, public health, safety or the environment. If deviations from this plan are necessary, any specific changes will be included on form C-144 and approved by the NMOCD. BP shall close an existing BGT that does not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or is not included in Paragraph (5) of Subsection I of 19.15.17.11 NMAC within five years after June 16, 2008, if not retrofit with a BGT that complies with the BP NMOCD approved BGT design attached to the BP Design and Construction Plan. BP shall close an existing BGT that does not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC, if not previously retrofitted to comply with the BP NMOCD approve BGT Design attached to the BP Design and Construction Plan, prior to any sale or change in operator pursuant to 19.15.9.9 NMAC. BP shall close the permitted BGT within 60 days of cessation of the BGTs operation or as required by the transitional provisions of Subsection B, D, or E of 19.15.17.17 NMAC.

General Closure Plan

1. BP shall notify the surface owner by certified mail that it plans to close a BGT. Evidence of mailing of the notice to the address of the surface owner shown in the county tax records demonstrates compliance with this requirement.

Notice is attached.

2. BP shall notify the division District III office verbally or by other means at least 72 hours, but not more than one (1) week, prior to any closure operation. The notice shall include the operator's name, and the location to be closed by unit letter, section, township and range. If the BGT closure is associated with a particular well, then the notice shall also include the well's name, number and API number.

Notice was provided and is attached.

- 3. BP shall remove liquids and sludge from the BGT prior to implementing a closure method and dispose of the liquids and sludge in a NMOCD's division-approved facility. The facilities to be used are:
 - a. BP Crouch Mesa Landfarm, Permit NM-02-003 (Solids)
 - b. JFJ Landfarm, Permit NM-01-010(B) (Solids and Sludge)
 - c. Basin Disposal, Permit NM-01-0005 (Liquids)
 - d. Envirotech Inc Soil Remediation Facility, Permit NM-01-0011 (Solids and Sludge)
 - e. BP Operated E.E. Elliott SWD #1, API 30-045-27799 (Liquids)

- f. BP Operated 13 GCU SWD #1, API 30-045-28601 (Liquids)
- g. BP Operated GCU 259 SWD, API 30-045-20006 (Liquids)
- h. BP Operated GCU 306 SWD, API 30-045-24286 (Liquids)
- i. BP Operated GCU 307 SWD, API 30-045-24248 (Liquids)
- j. BP Operated GCU 328 SWD, API 30-045-24735 (Liquids)
- k. BP Operated Pritchard SWD #1, API 30-045-28351 (Liquids)

All liquids and sludge in the BGT were removed and sent to one of the above NMOCD approved facilities for disposal.

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

The BGT was transported for recycling.

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

All equipment associated with the BGT has been removed.

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

Constituents	Testing Method	Release Verification	Sample
	21 bbl BGT	(mg/Kg)	results
Benzene	US EPA Method SW-846 8021B or 8260B	10	< 0.020
Total BTEX	US EPA Method SW-846 8021B or 8260B	50	< 0.080
TPH	US EPA Method SW-846 418.1 or 8015 extended	100	<47
Chlorides	US EPA Method 300.0 or 4500B	620	<30

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

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

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

C-141 is attached.

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

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

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

Sampling results indicate a release has not occurred. Attached is a laboratory report and field report. The location will be reclaimed when the well is plugged and abandoned.

10. BP shall reclaim the BGT location and all areas associated with the BGT including associated access roads to a safe and stable condition that blends with the surrounding undisturbed area. BP shall substantially restore the impacted surface area to the condition that existed prior to oil and gas operations by placement of the soil cover as provided in Subsection H of 19.15.17.13 NMAC, re-contour the location and associated areas to a contour that approximates the original contour and blends with the surrounding topography and re-vegetate according to Subsection I of 19.15.17.13 NMAC.

The area has been backfilled and BGT location's surface condition is clear, but within the site's operational area. The location will be reclaimed once the well is plugged and abandoned.

11. The soil cover for closures where the BGT has been removed or remediated to the NMOCD's satisfaction shall consist of the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater. The soil cover will be constructed to the site's existing grade and all practicable efforts will be made to prevent ponding of water and erosion of the cover material.

The area has been backfilled and BGT location's surface condition is clear, but within the site's operational area. The location will be reclaimed once the well is plugged and abandoned.

12. BP shall seed the disturbed area the first growing season after closure of the BGT. Seeding will be accomplished by drilling on the contour whenever practical or by other division-approved methods. Vegetative cover will be, at a minimum, 70% of the native perennial vegetative cover (un-impacted by overgrazing, fire or other intrusion damaging to native vegetation), consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintenance of that cover through two successive growing seasons. During the two growing seasons that prove viability, there shall be no artificial irrigation of the vegetation.

The area has been backfilled and BGT location's surface condition is clear, but within the site's operational area. The location will be reclaimed once the well is plugged and abandoned.

13. BP shall seed, plant and re-seed pursuant to Paragraph (3) of Subsection I of 19.15.17.13 NMAC, until the location successfully achieves the required vegetative cover.

The area has been backfilled and BGT location's surface condition is clear, but within the site's operational area. The location will be reclaimed once the well is plugged and abandoned.

- 14. Pursuant to Paragraph (5) of Subsection I of 19.15.17.13 NMAC, BP shall notify the NMOCD when it has seeded or planted and when it successfully achieves revegetation.
 - The area has been backfilled and BGT location's surface condition is clear, but within the site's operational area. The location will be reclaimed once the well is plugged and abandoned.
- 15. Within 60 days of closure completion, BP shall submit a closure report on NMOCD's form C-144, and will include the following;
 - a. proof of closure notification (surface owner and NMOCD)
 - b. sampling analytical reports; information required by 19.15.17 NMAC;
 - c. disposal facility name and permit number
 - d. details on back-filling, capping, covering, and where applicable re-vegetation application rates and seeding techniques and
 - e. site reclamation, photo documentation.

Closure report on C-144 form is included including photos of reclamation completion.

- 16. BP shall certify that all information in the report and attachments is accurate, truthful, and compliant with all applicable closure requirements and conditions specified in the approved closure plan.
 - Certification section of C-144 has been completed.

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

Form C-141 Revised April 3, 2017 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

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

			Rele	ease Notific	cation	and Co	orrective A	ction	1			
						OPERA	ГOR		Initi	al Report	■ F	inal Report
				tion Compan			n Garifalos	7040				
Facility Na			irmingto	n, NM 87401			No. (832) 609- ne: Natural Ga		ell			
Surface Ow	ner: Fede	eral		Mineral C)wner:	Federal			API No	.3004507	7651	
				LOCA	ATIO	OF RE	LEASE					
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the		West Line	County		1
L	35	29N	W80	1,800	Sou	ıth	920	We	st	S	an .	Juan
			Latitud	_e 36.68034	Lo	ongitude1	07.65173	NAD	83			
				NAT	URE	OF REL	EASE					
Type of Rele	ase:: none						Release: unkno			Recovered:: N		
Source of Re	belo	w grade ta	nk - 21	obl		n/a	Iour of Occurrence	e:	n/a	Hour of Disco	overy:	
Was Immedi	ate Notice (Yes 🗸	No Not Re	equired	If YES, To	Whom?					
By Whom?						Date and H	Iour					
Was a Water	course Reac		Yes 🗸	No		If YES, Vo	olume Impacting t	he Wat	ercourse.			
If a Watercon	irse was Im	pacted, Descri		1000								
Describe Cau	se of Proble	em and Remed	dial Action	Samı Soil a	analys	is resulte	beneath the d for Chlorid Field reports	les, E	TEX, ar	nd TPH be	elow E	3GT
Decaribe Area	a Affactad (and Cleanup A	ation Tale		iie Sta	nuarus. r	Telu reports	anu i	aborato	ry results	are ar	itacheu.
Describe Are	a Affected a	and Cleanup A	ction Tak	No actio		essary. F n is requ	inal laborato ired.	ory a	nalysis d	determine	ed no	
regulations a public health should their or or the environ	I operators or the envir operations homent. In a	are required to conment. The ave failed to a	acceptance acceptance adequately OCD accept	d/or file certain re e of a C-141 repo investigate and re	elease no ort by the emediate	otifications are NMOCD me contaminati	knowledge and und perform correctarked as "Final Roon that pose a three the operator of the correction	tive act eport" of eat to g	ions for rele loes not reli round water	eases which n eve the opera s, surface water	nay enda ator of lia er, huma	anger ability an health
	12-11	used a					OIL CONS	SERV	ATION	DIVISIO	N	
Signature:	run g	Willalo	14				п					
Signature:	Erin G	arifalos			1	Approved by	Environmental S ₁	pecialis	t:			
		onmenta		dinator		Approval Dat	e:		Expiration 1	Date:		
E-mail Addre	ess: erin.	garifalos	@bp.	com	(Conditions of	Approval:			Attached	П	
Date: Marc				(832) 609-70)48					Attached		
Attach Addi	tional Shee	ets If Necess	arv									

bp



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

January 16, 2018

Bureau of Land Management Whitney Thomas 6251 College Suite A Farmington, NM 87402

VIA EMAIL

Re: Notification of plans to close/remove a below grade tank Well Name: JONES LS 002

API#: 3004507651

Dear Mrs. Thomas,

As part of the NM "Pit Rule": 19.15.17.13 Closure Requirements, Paragraph J. BP America Production Company (BP) is required to notify the surface owner of BP's plans to close/remove a below grade tank. BP wishes to inform you of our plans to close/remove the below grade tank on its well pad located on your surface. BP plans to commence this work on or about January 19, 2018. If there aren't any unforeseen problems, the work should be completed within 10 working days.

As a point of clarification, BP will be closing the below grade tank and either operating without one or replacing it with an above ground tank, the well site will continue to operate.

If witnessing of the tank removal is required please contact me for a specific time (832)-609-7048.

Sincerely,

Erin Garifalos

BP America Production Company

From:

Buckley, Farrah (CH2M HILL)

To:

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

Cc:

jeffcblagg@aol.com; blagg njv@yahoo.com; Garifalos, Erin

Subject: Date: BP Pit Close Notification - JONES LS 002 Tuesday, January 16, 2018 3:42:09 PM

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

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

January 16, 2018

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

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

JONES LS 002 API 30-045-07651 (L) Section 35 – T29N – R08W 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 a 95bbl and a 45bbl BGT that will no longer be operational at this well site. We anticipate this work to start on or around January 19, 2018.

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

Sincerely,

Erin Garifalos

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

Farrah Buckley

BGT Project Support 970-946-9199 -cell

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

DD	BLAGG E	NGINEERING, IN	NC.	API# 3004507	7651
CLIENT: BP		LOOMFIELD, NI	M 87413	TANK ID	
	`	5) 632-1199		(if applicble):)
FIELD REPORT:	(circle one): BGT CONFIRMATION /	RELEASE INVESTIGATION /	OTHER:	PAGE#:1_ o	of
SITE INFORMATION	1: <u>SITE NAME</u> : JONES 29N RNG: 8W PM:	LS #2	ST: NM	DATE STARTED: 01/2	22/18
QUAD/UNIT: L SEC: 35 TWP:	DATE FINISHED:				
1/4 - 1/4/FOOTAGE: 1,800'S / 920 LEASE #: SF079938	ENVIRONMENTAL SPECIALIST(S):	JV			
REFERENCE POINT	_	ONTRACTOR: BP-J. GO			
24 DCT (CW/DD) D		.68034 X 107.65173	32 X 107.65163		5,256' 87W
1) 21 BGT (SW/IDB) - B		.00004 X 107.00170			
3)					
4)	GPS COORD.:				
SAMPLING DATA:	CHAIN OF CUSTODY RECORD(S) # C				OVM READING
	21) - B SAMPLE DATE: 01/22			15B/8021B/300.0 (CI)	(ppm) NA
	SAMPLE DATE:		LAB ANALYSIS:		
10.		SAMPLE TIME:	LAB ANALYSIS:		
SAMPLE ID: SAMPLE ID:	SAMPLE DATE:SAMPLE DATE:	SAMPLE TIME:	LAB ANALYSIS:		
SOIL DESCRIPTION	* COLL TYPE: CAND LOLL TY CAND 16		EL OTHER DEDDO	CK (SANDSTONE)	
	(YELLOWSH ORANGE			COHESIVE / MEDIUM PLASTIC / HIGH	HIYPI ASTIC
COHESION (ALL OTHERS): NON COHESIVE SLIGHTL		DENSITY (COHESIVE CLAYS 8			ILI I LAGIIO
CONSISTENCY (NON COHESIVE SOILS): LC		HC ODOR DETECTED: YES NO	EXPLANATION -		
MOISTURE: DRY/SLIGHTLYMOIST MOIST/W SAMPLE TYPE: GRAB/COMPOSITE #		ANY AREAS DISPLAYING WETNE	ese ves MO EVELA	NATION	
DISCOLORATION/STAINING OBSERVED: YES		ANT ANDAS DISPEATING WEINE	LOG. TEG [NO] EXPEN	WATION -	
SITE OBSERVATION	S: LOST INTEGRITY OF EQUIPMENT:	YES NO EXPLANATION -			
APPARENT EVIDENCE OF A RELEASE OBSERVE		ANATION:			
EQUIPMENT SET OVER RECLAIMED AREA: OTHER: NMOCD OR BLM REPS. NOT PI	YES [NO] EXPLANATION - RESENT TO WITNESS CONFIRMA	TION SAMPLING. BGT INS	STALLED BY EXCAV	ATING INTO SHALLOW BE	DROCK
SANDSTONE BETWEEN 1 FT 5 FT. I	BELOW GRADE.			-	
EXCAVATION DIMENSION ESTIMATION:	101	ft. X <u>NA</u> ft.		TIMATION (Cubic Yards) :	NA
DEPTH TO GROUNDWATER: >100' N	EAREST WATER SOURCE: >1,000			CD TPH CLOSURE STD: 5,0	00 ppm
SITE SKETCH	BGT Located: off I on site	e PLOT PLAN cir	A	I CALIB. READ. = NA pp	111 -1.00
				I CALIB. GAS = NA PP	MA NA
			N		
(45)-B			1	MISCELL. NO	ΓES
PBGTL T.B. ~ 6'	(x x x)	ENCE \oplus	_	VO:	
B.G.		W.H.	_	REF #: P-914	
	BERM		-	11D: VHIXONEVB2 PJ#:	
			-	ermit date(s): 06/14	4/10
PROI			_	CD Appr. date(s): 12/2	
TANI				nk OVM = Organic Vapor Me	ter
				BGT Sidewalls Visible: Y /(N
		,	X - S.P.D.	BGT Sidewalls Visible: Y /	N
NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATION		ELOW; T.H. = TEST HOLE; ~ = APPROX.	; W.H. = WELL HEAD;	BGT Sidewalls Visible: Y /	
	.OW-GRADE TANK LOCATION; SPD = SAMPLE P E WALL; DW - DOUBLE WALL; SB - SINGLE BOT		G WALL; NA - NOT	Magnetic declination: 10	E
NOTES: GOOGLE EARTH IMAG		ONSITE: 01/22	/17		

Date Reported: 1/24/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: 5PC-TB @ 4.5' (45)-B

Project:

Collection Date: 1/22/2018 3:10:00 PM

JONES LS 2 Lab ID: 1801A36-002

Matrix: SOIL

Received Date: 1/23/2018 6:55:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	30	mg/Kg	20	1/23/2018 12:54:49 PM	36154
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	TOM
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	1/23/2018 11:04:28 AM	36142
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	1/23/2018 11:04:28 AM	36142
Surr: DNOP	98.1	70-130	%Rec	1	1/23/2018 11:04:28 AM	36142
EPA METHOD 8015D: GASOLINE RANG	E				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.0	mg/Kg	1	1/23/2018 10:10:39 AM	36131
Surr: BFB	82.3	15-316	%Rec	1	1/23/2018 10:10:39 AM	36131
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.020	mg/Kg	1	1/23/2018 10:10:39 AM	36131
Toluene	ND	0.040	mg/Kg	1	1/23/2018 10:10:39 AM	36131
Ethylbenzene	ND	0.040	mg/Kg	1	1/23/2018 10:10:39 AM	36131
Xylenes, Total	ND	0.080	mg/Kg	1	1/23/2018 10:10:39 AM	36131
Surr: 4-Bromofluorobenzene	88.7	80-120	%Rec	1	1/23/2018 10:10:39 AM	36131

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 2 of 6 J
- Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Client:			/ BP AMERICA	Turn-Around	☑ Rush _	SAME DAY													ME				٠
				Project Name			STATE OF THE PARTY				,	wwv	v.ha	llen	viror	nme	ental	.con	n				
Mailing A	ddress:	P.O. BO	K 87		JONES LS	# 2			490	01 H	awk	ins N	IE -	Alb	uqu	erqu	ue, N	IM 8	37109	9			
		BLOOM	FIELD, NM 87413	Project #:					Те	l. 50	5-34	5-39	975	F	ax 5	05-	345-	410	7				
Phone #:		(505) 63	2-1199						3				Α	naly	sis	Red	ques	st		151			
email or F	ax#:			Project Manag	ger:										4				300.1)				
QA/QC Pa ☑ Standa	-		Level 4 (Full Validation)		ERIN GARI	FALOS		TMB's (8021B)	s only)	/ MRO			15)		PO4,SC	PCB's			1 1			a	
Accreditation:			Sampler:	NELSON VE	LEZ		9) SE	(Ga	8	F	귀	SIN		20	8082			/ wa		1	dш		
□ NELAP	•	□ Other		On Idek - Vu	Marks - 1	er New L	1974	1	TPH	1/0	418.	504	8270		8	_		(AC	00.0			e sa	N N
EDD (ype)				define Siles			1 1 1	3E +	(GR(po	bo	ō	stals	Z,	cig	A	i-V	- 3		<u>e</u>	osit	20
Date	Time	Matrix	Sample Request ID	Container Type and # Meoff Krf	Preservative Type	HEALS		BTEX + MTBE	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH (8310 or 8270SIMS)	RCRA 8 Metals	Anions (F,Cl,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides	8260B (VOA)	8270 (Semi-VOA)	Chloride (soll - 300.0 / water		Grab sample	5 pt. composite sample	Air Bubbles (Yor
1/22/10	1425	SOIL	500 TO 0 5 (95) A	402. 1	Cool		001	4		4		-							4	-	+	+	
																				T	\top		
1/22/18	1510	SOIL	5PC-TB@4.5 (45)-B	4 oz 1	Cool	-	202	٧		٧									٧		1	V	
																					\top		
																					1	1	
			· · · · · · · · · · · · · · · · · · ·										\neg	\dashv			-			\dashv	+	+	_
ate:	Time:	Relinquishe	dby:	Received by:		Date Tim	ne	Rem	narks	:	BILL D	HRECT	LY TO	BP U	SING	THE	CONT	ACT V	VITH CC	ORRES	POND	ING	VID
1/22/18	1645	90	lust	(Januar)	alt 1/2		45	C	ONTA	ACT:		GAF	RIFAI	LOS				ON					
Date:	Time:	Relinquishe	d by:	Received by:	(),	Date Tim			1	VID:	VHI)	ONE	VB2										

*QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1801A36 24-Jan-18

Client:

Blagg Engineering

Project:

JONES LS 2

Sample ID MB-36154

SampType: mblk

TestCode: EPA Method 300.0: Anions

Client ID:

PBS

Batch ID: 36154

RunNo: 48638

Prep Date: 1/23/2018

Analysis Date: 1/23/2018

Units: mg/Kg

Analyte

SeqNo: 1565154

RPDLimit

Qual

Chloride

Result ND

PQL

SPK value SPK Ref Val %REC LowLimit

HighLimit

%RPD

Sample ID LCS-36154

LCSS

SampType: Ics Batch ID: 36154

RunNo: 48638

Units: mg/Kg

Prep Date:

Client ID:

1/23/2018

Analysis Date: 1/23/2018

SeqNo: 1565155 SPK value SPK Ref Val %REC

LowLimit

HighLimit

%RPD

RPDLimit

Qual

Result

92.5

Chloride

Analyte

PQL 14

15.00

1.5

TestCode: EPA Method 300.0: Anions

110

Qualifiers:

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix D

H Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit ND

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank

E Value above quantitation range

Analyte detected below quantitation limits J

Sample pH Not In Range

RL

Reporting Detection Limit Sample container temperature is out of limit as specified Page 3 of 6

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1801A36

24-Jan-18

Client:

Blagg Engineering

Project:

JONES LS 2

Sample ID LCS-36142	SampTy	pe: LC	S	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch	ID: 361	142	R	8617							
Prep Date: 1/23/2018	Analysis Da	ite: 1/2	23/2018	SeqNo: 1563800 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	50	10	50.00	0	99.7	70	130					
Surr: DNOP	4.5		5.000		90.6	70	130					

Sample ID MB-36142	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch	ID: 36	142	F	RunNo: 4	8617				
Prep Date: 1/23/2018	Analysis D	ate: 1/	23/2018	8	SeqNo: 1	563801	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.4		10.00		93.6	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

Page 4 of 6

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

*QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1801A36

24-Jan-18

Client:

Blagg Engineering

Project:

JONES LS 2

Sample ID MB-36131	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch	ID: 36	131	R	tunNo: 4	8626				
Prep Date: 1/22/2018	Analysis D	ate: 1/	23/2018	S	eqNo: 1	564548	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	820		1000		81.5	15	316			
Sample ID LCS-36131	SampT	ype: LC	S	Tes	Code: El	PA Method	8015D: Gaso	line Rang	e	

Sample ID LCS-36131	SampTy	/pe: LC	S	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	9		
Client ID: LCSS	Batch	ID: 36	131	R	RunNo: 4	8626					
Prep Date: 1/22/2018	Analysis Da	ate: 1/	23/2018	S	SeqNo: 1	564549	Units: mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	27	5.0	25.00	0	107	75.9	131				
Surr: BFB	930		1000		92.9	15	316				

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

Page 5 of 6

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

*QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1801A36

24-Jan-18

Client:

Blagg Engineering

Project:

JONES LS 2

Sample ID MB-36131	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 36131			R	RunNo: 48626					
Prep Date: 1/22/2018	Analysis D	ate: 1/	23/2018	SeqNo: 1564562			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	0.90		1.000		89.7	80	120			

Sample ID LCS-36131	SampT	ype: LC	S	TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch	n ID: 36	131	F	RunNo: 4						
Prep Date: 1/22/2018	Analysis D	Date: 1/	23/2018	SeqNo: 1564563			Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.99	0.025	1.000	0	98.5	77.3	128				
Toluene	0.99	0.050	1.000	0	99.0	79.2	125				
Ethylbenzene	0.99	0.050	1.000	0	98.6	80.7	127				
Xylenes, Total	3.0	0.10	3.000	0	99.9	81.6	129				
Surr: 4-Bromofluorobenzene	0.90		1.000		90.4	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

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

Page 6 of 6

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	Work Order Nun	nber: 1801A36		RcptNo:	1
Received By: Anne Thorne Completed By: Anne Thorne	1/23/2018 6:55:00 1/23/2018 7:05:20		Aone Am	_	*
Reviewed By: 111- 1/23/	け		Clarke Jim		
Chain of Custody 1. Is Chain of Custody complete?		Yes 🗹	No 🗆	Not Present	
2. How was the sample delivered	?	Courier			
Log In 3. Was an attempt made to cool to	he samples?	Yes 🗹	No 🗆	NA 🗆	
4. Were all samples received at a	temperature of >0° C to 6.0°C	Yes 🗹	No 🗌	na 🗆	
5. Sample(s) in proper container(s	s)?	Yes 🗹	No 🗆		
6. Sufficient sample volume for inc	dicated test(s)?	Yes 🗸	No 🗌		
7. Are samples (except VOA and o	ONG) properly preserved?	Yes 🗹	No 🗆		
8. Was preservative added to bott	les?	Yes	No 🗹	NA 🗆	
9. VOA vials have zero headspace	9?	Yes	No 🗆	No VOA Vials ✓	
Were any sample containers re	ceived broken?	Yes L	No ☑	# of preserved	
11. Does paperwork match bottle la	ibels?	Yes 🗹	No 🗆	bottles checked for pH:	ж.
(Note discrepancies on chain of				6 00	>12 unless noted)
Are matrices correctly identified		Yes 🗹	No 🗆	Adjusted?	
13. Is it clear what analyses were re		Yes 🗹	No 🗆	Checked by:	
14. Were all holding times able to b (if no, notify customer for author)		Yes 🗹	No 🗆	Checked by.	
Special Handling (if applica					
15. Was client notified of all discrep	pancies with this order?	Yes	No 🗆	NA 🗹	
Person Notified: By Whom: Regarding: Client Instructions:	Date Via:	*	one Fax	☐ In Person	
16. Additional remarks:					
17. <u>Cooler Information</u> Cooler No. Temp °C Cooler No. Temp °C Good		Seal Date	Signed By		



