District 1 1625 N. French Dr., Hobbs, NM 88240 District III 1301 W. Grand Avenue, Artesia, NM 88210 District IIII 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

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
Type of action: Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method 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 ordinances.
Departor: BP AMERICA PRODUCTION COMPANY OGRID #: 778
Address: 380 North Airport Road, Durango, CO 81303
Facility or well name: CORNELL A 001E
API Number: 3004524132 OCD Permit Number:
U/L or Qtr/Qtr N Section 10.0 Township 29.0N Range 12W County: San Juan County
Center of Proposed Design: Latitude 36.73650 Longitude -108.08926 NAD: 1927 🗷 1983
Surface Owner: 🗵 Federal 🗌 State 🗌 Private 🗌 Tribal Trust or Indian Allotment
2.
Pit: Subsection F or G of 19.15.17.11 NMAC JAN 15 2019
remporary. Drining D workover
Permanent Emergency Cavitation P&A DISTRICT III
Lined Unlined Liner type: Thicknessmil LLDPE HDPE PVC Other
String-Reinforced
Liner Seams: Welded Factory Other Volume: bbl Dimensions: L x W x D
3. 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
4.
Elow-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 OUBLE WALLED DOUBLE BOTTOMED SIDEWALLS NOT VISIBLE
Liner type: Thickness mil _ HDPE _ PVC _ Other
Liner type: Thicknessmil U HDPE PVC Other

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 office for consideration of approval.

Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

10.

6.

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 accept material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appro office 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.	priate district pproval.
 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 ☐ NA
 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 ☐ NA
 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.	Yes No

FEMA map

· · ·	
II. Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Instructions: Each of the following items must be attached to the application. Please indicate, by a check attached. Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subset Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 Design 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 and 19.15.17.13 NMAC	<i>k mark in the box, that the documents are</i> ction B of 19.15.17.9 NMAC of Subsection B of 19.15.17.9 NMAC NMAC
Previously Approved Design (attach copy of design) API Number: or H	Permit Number:
12. Closed-loop Systems 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 attached. Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragra Siting Criteria Compliance Demonstrations (only for on-site closure) - 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 requirement and 19.15.17.13 NMAC Previously Approved Design (attach copy of design) API Number: Previously Approved Operating and Maintenance Plan API Number: above ground steel tanks or haul-off bins and propose to implement waste removal for closure)	uph (3) of Subsection B of 19.15.17.9 quirements of 19.15.17.10 NMAC rements of Subsection C of 19.15.17.9 NMAC
13. 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 attached. Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 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 Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.12 NMAC Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Freeboard and Overtopping Prevention 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 Muisance 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 19.15.17.9 NMAC and 19	NMAC NMAC 7.11 NMAC 15.17.11 NMAC 1 NMAC
14. Proposed Closure: 19.15.17.13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure Type: Drilling Workover Emergency Cavitation P&A Proposed Closure Method: Waste Excavation and Removal Waste 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 15. Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of 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 Onfirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection 1 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 1 Re-vegetation Plan - based upon the appropriate requirements of Subsection 1 of 19.15.17.13 NMAC	rade Tank Closed-loop System Environmental Bureau for consideration) he following items must be attached to the F of 19.15.17.13 NMAC
Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC	AC

^{16.} Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Stee Instructions: Please indentify the facility or facilities for the disposal of liquids, drilla		
facilities are required.	05	
Disposal Facility Name: Dis	oosal Facility Permit Number:	
	oosal Facility Permit Number:	
Will any of the proposed closed-loop system operations and associated activities occur Yes (If yes, please provide the information below) No		
Required for impacted areas which will not be used for future service and operations: Soil Backfill and Cover Design Specifications based upon the appropriate requirements of Subsection I of Re-vegetation Plan - based upon the appropriate requirements of Subsection I of Site Reclamation Plan - based upon the appropriate requirements of Subsection C	19.15.17.13 NMAC	2
^{17.} Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closu provided below. Requests regarding changes to certain siting criteria may require ad considered an exception which must be submitted to the Santa Fe Environmental Bun demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for g	ministrative approval from the appropriate distr eau office for consideration of approval. Justij	rict office or may be
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 obt	ained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obt	ained 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 obt	ained from nearby wells	Yes No
 Within 300 feet of a continuously flowing watercourse, or 200 feet of any other signific lake (measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site 	ant watercourse or lakebed, sinkhole, or playa	Yes No
Within 300 feet from a permanent residence, school, hospital, institution, or church in e - Visual inspection (certification) of the proposed site; Aerial photo; Satellite ima		Yes No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less that watering purposes, or within 1000 horizontal feet of any other fresh water well or spring - NM Office of the State Engineer - iWATERS database; Visual inspection (certification of the state engineer - iWATERS database).	, in existence at the time of initial application.	Yes No
 Within incorporated municipal boundaries or within a defined municipal fresh water we adopted pursuant to NMSA 1978, Section 3-27-3, as amended. Written confirmation or verification from the municipality; Written approval objective of the section of the sect		Yes No
 Within 500 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inst 	pection (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 & Society; Topographic map 	Mineral Resources; USGS; NM Geological	Yes No
Within a 100-year floodplain. - FEMA map		Yes No
 18. On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the follow a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of Sub Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - Construction Sampling Plan of Temporary Pit (for in-place burial of a drying pad) - Protocols and Procedures - based upon the appropriate requirements of 19.15.17. Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Sub Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill of Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill of Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill of Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill of Disposal Facility Name and Permit Number (for liquids). 	nents of 19.15.17.10 NMAC section F of 19.15.17.13 NMAC oriate requirements of 19.15.17.11 NMAC based upon the appropriate requirements of 19.1 13 NMAC nents of Subsection F of 19.15.17.13 NMAC section F of 19.15.17.13 NMAC	15.17.11 NMAC

Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

Soll Cover Design - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC
 Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

19. 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:
20. OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)
OCD Representative Signature: Approval Date: Approval Date:
Title: Environmental Spec. OCD Permit Number:
21. 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. X Closure Completion Date:
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.
^{23.} <u>Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:</u> <i>Instructions: Please indentify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than</i> <i>two facilities were utilized.</i>
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 <i>will not</i> 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
24. 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 36.73650 Longitude -108.08926 NAD: □1927 🗙 1983
25. 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: Man Date: 1/14/2019
e-mail address: steven.moskal@bpx.com Telephone: 505-330-9179

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Operator Closure Certification:	
I hereby certify that the information and attachments submitted with this closure repor- belief. I also certify that the closure complies with all applicable closure requirement	
Name (Print):	Title:
Signature:	Date:
e-mail address:	Telephone:

s •

District I 1625 N. French Dr., Hobbs, NM 88240 District III 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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party BP America Production Company	OGRID 778
Contact Name Steve Moskal	Contact Telephone (505) 330-9179
Contact email Steven.Moskal@bpx.com	Incident # (assigned by OCD)
Contact mailing address 380 North Airport Road, Durang	go, CO 81303

Location of Release Source

Latitude	36.	73650	(NAD 83 in de	Longitude	-108.08926	
Site Name C	CORNELL	A 001E		Site Type Natur	ral Gas Well	
Date Release	Discovered			API# (if applicable)	30-045-24132	
Unit Letter	Section	Township	Range	County		

Sint Better	Section	rounsinp	runge	county	
Ν	10	29N	12W	San Juan	

Surface Owner: State Federal Tribal Private (Name: _

Nature and Volume of Release

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)		
Produced Water Volume Released (bbls)		Volume Recovered (bbls)		
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No		
Condensate	Volume Released (bbls)	Volume Recovered (bbls)		
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)		
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)		
Cause of Release TPI	H, BTEX, & chloride all below below-grade	tank (BGT) permit closure standards		

Form C-141 Page 2

State of New Mexico Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major	If YES, for what reason(s) does the responsible party consider this a major release?
release as defined by	
19.15.29.7(A) NMAC?	
🗌 Yes 🖾 No	
If YES, was immediate n	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
Not required.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name: Steve Moskal	Title: Environmental Coordinator
Signature:	Date:
email: <u>Steven.Moskal@bpx.com</u>	Telephone: (505) 330-9179
OCD Only	
Received by:	Date:

BP AMERICA PRODUCTION COMPANY SAN JUAN BASIN, NORTHWEST NEW MEXICO

BELOW-GRADE TANK CLOSURE PLAN

<u>Cornell A # 1E – Tank ID: A</u> <u>API #: 3004524132</u> Unit Letter N, Section 10, T29N, R12W

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

- 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/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	< 0.022
Total BTEX	US EPA Method SW-846 8021B or 8260B	50	< 0.089
TPH	US EPA Method SW-846 418.1	100	<50
Chlorides	US EPA Method 300.0 or 4500B	250 or background	<30

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

Soil 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.

- BP shall notify the division District III office of its results on form C-141. C-141 is attached.
- If it is determined that a release has occurred, then BP will comply with 19.15.30 NMAC and 19.15.29 NMAC, as appropriate.
 Sampling results 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, 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.

<u>Sampling results reveal no evidence of a release has occurred.</u> Area was backfilled with clean, earthen material and is within the active well pad.

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.

<u>The BGT area has been backfilled and will be reclaimed once the well has been plugged & abandoned.</u>

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.

<u>The BGT area has been backfilled and will be reclaimed once the well has been plugged & abandoned.</u>

- 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 BGT area has been backfilled and will be reclaimed once the well has been plugged & abandoned.
- 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.
 <u>The BGT area has been backfilled and will be reclaimed once the well has been plugged & abandoned.</u>
- 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.
 <u>BP will notify NMOCD when re-vegetation is successfully completed.</u>
- 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.

<u>Closure report on C-144 form is included & contains a photo of the reclamation completion.</u>

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.

RE: BP Pit Close Notification - CORNELL A 001E

Farrah Buckley <Farrah.Buckley@bpx.com>
 To:Smith, Cory, EMNRD,Fields, Vanessa, EMNRD (Vanessa.Fields@state.nm.us)
 Cc:jeffcblagg@aol.com,blagg_njv@yahoo.com,Steven Moskal,Matthew Baca

Nov 7, 2018 at 9:16 AM

The BGT closure on this location has been rescheduled for Friday November 9th at 12. I have updated the date on the letter below.

Thank you. Farrah

From: Farrah Buckley
Sent: Thursday, November 01, 2018 2:11 PM
To: Smith, Cory, EMNRD; Fields, Vanessa, EMNRD (Vanessa.Fields@state.nm.us)
Cc: jeffcblagg@aol.com; blagg_njv@yahoo.com; Steven.Moskal@BPX.COM; Matthew Baca
Subject: BP Pit Close Notification - CORNELL A 001E

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

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

November 1, 2018

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

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

CORNELL A 001E API 30-045-24132 (N) Section 10 – T29N – R12W San Juan County, New Mexico

Dear Mr. Cory Smith and Mrs. Vanessa Fields,

In regards to the captioned subject and requirements of the NMOCD pit rule, this letter is notification that BP is planning to close a 95bbl BGT that will no longer be operational at this well site. We anticipate this work to start on or around November 9, 2018.

Should you have any questions, please feel free to contact BP.

Sincerely,

Steve Moskal BP Lower 48 – San Juan Field Environmental Coordinator Phone: (505) 330-9179

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.

bp



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

November 1, 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: CORNELL A 001E API# - 3004524132

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 November 7, 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 (505)-330-9179.

Sincerely,

Steve Moskal BP Lower 48 – San Juan Field Environmental Coordinator

	P.O. BOX 87,	ENGINEERIN BLOOMFIEL 505) 632-1199	13	API #:300452	24132 A						
FIELD REPORT:	(circle one): BGT CONFIRMATION				PAGE #: 1	of _1					
SITE INFORMATION	I: SITE NAME: CORN	IELL A #1E			DATE STARTED: 11	/09/18					
QUAD/UNIT: N SEC: 10 TWP:	29N RNG: 12W P	M: NM CNTY	SJ ST:	NM	DATE FINISHED:						
1/4 -1/4/FOOTAGE: 910'S / 1,76	O'W SE/SW LEAS	E TYPE: FEDERAL	STATE / FEE / IN	DIAN	ENVIRONMENTAL						
LEASE #: NM014375		NJV									
LEASE #: NM014375 PROD. FORMATION: DK CONTRACTOR: BP - M. BACA SPECIALIST(S): REFERENCE POINT: Well Head (W.H.) GPS COORD.: 36.73642 X 108.08945 GL ELEV.:											
1) 95 BGT (DW/DB)	GPS COORD.:										
2)					RING FROM W.H.:						
3)	GPS COORD.:			DISTANCE/BEAF	RING FROM W.H.:						
4)	GPS COORD.:										
SAMPLING DATA:	CHAIN OF CUSTODY RECORD(S)	# OR LAB USED:	HALL			OVM READING					
1) SAMPLE ID: 5PC - TB @ 5'				801	15B/8021B/300.0 (CI)	(ppm) NA					
	SAMPLE DATE:										
 SAMPLE ID:	SAMPLE DATE:										
5) SAMPLE ID:	SAMPLE DATE:										
SOIL DESCRIPTION											
SOIL COLOR: PALE YEL					OHESIVE / MEDIUM PLASTIC / H	IGHLY PLASTIC					
COHESION (ALL OTHERS): NON COHESIVE SLIGHT					STIFF / VERY STIFF / HARD	IGHEITE IGHO					
CONSISTENCY (NON COHESIVE SOILS):			YES NO EXPLANATI	ION -							
MOISTURE: DRY / SLIGHTLY MOIST / MOIST / V SAMPLE TYPE: GRAB COMPOSITE			NG WETNESS: YES								
DISCOLORATION/STAINING OBSERVED: YES		ANT AREAS DISPLAT	NG WEINESS: TES	NU EXPLAN	NATION						
SITE OBSERVATION			ION -								
APPARENT EVIDENCE OF A RELEASE OBSERV	ED AND/OR OCCURRED : YES NO E										
EQUIPMENT SET OVER RECLAIMED AREA: OTHER: NMOCD OR BLM REPS. NOT P	YES NO EXPLANATION -	MATION SAMPLING		GED & AF							
		ATTON OAM LING.			BANDONED (FOA).						
EXCAVATION DIMENSION ESTIMATION		ft. X NA			TIMATION (Cubic Yards) :	NA					
DEPTH TO GROUNDWATER: < 50' x < 100			CE WATER: < 30	N 100	MOCD TPH CLOSURE STD:	100 ppm					
SITE SKETCH	BGT Located : off / on	site PLOT PL	AN circle: attac	hed OVM	Calib. Read. = NA	_ppm RF = 1.00					
					Calib. Gas = NA	_ppm					
					: NA am/pm DATE:	NA					
	PBGTL	PERIMETER SECURITY		'	MISCELL. NO	DTES					
	T.B. ~5' B.G.	FENCE		P	o#: 4301004787						
				R	EF #:						
		X		V	ID:						
ТО				P	J #:						
P&A	\mathbf{X}	BERM				08/10					
MARKER	PROD. TANK	, ,		O		08/18 Meter					
	×			ID		n					
					BGT Sidewalls Visible: Y BGT Sidewalls Visible: Y						
			X - S.F		BGT Sidewalls Visible: Y						
NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVAT T.B. = TANK BOTTOM; PBGTL = PREVIOUS BE APPLICABLE OR NOT AVAILABLE; SW - SINGI	LOW-GRADE TANK LOCATION; SPD = SAMP	LE POINT DESIGNATION; R.W.	= RETAINING WALL; NA - N		lagnetic declination:						
NOTES: GOOGLE EARTH IMAG	ERY DATE: 3/15/2015.	ONSITE:	11/09/18								

Hall Environmental Analysi	s Laboratory,	Inc.			Lab Order 1811571 Date Reported: 11/13/2	018
CLIENT: Blagg Engineering Project: Cornell A 1E Lab ID: 1811571-001	Matrix: MEOH	Ce	ollection Date	e: 11/	C-TB @ 5' (95) 9/2018 12:15:00 PM /10/2018 11:12:00 AM	1
Analyses	Result				Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	30	mg/Kg	20	11/12/2018 11:05:44 AI	A 41467
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	Irm
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	11/12/2018 11:19:42 A	И 41462
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	11/12/2018 11:19:42 Al	И 41462
Surr: DNOP	99.0	50.6-138	%Rec	1	11/12/2018 11:19:42 AI	A 41462
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.4	mg/Kg	1	11/12/2018 9:38:49 AM	41447
Surr: BFB	103	73.8-119	%Rec	1	11/12/2018 9:38:49 AM	41447
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.022	mg/Kg	1	11/12/2018 9:38:49 AM	41447
Toluene	ND	0.044	mg/Kg	1	11/12/2018 9:38:49 AM	41447
Ethylbenzene	ND	0.044	mg/Kg	1	11/12/2018 9:38:49 AM	41447
Xylenes, Total	ND	0.089	mg/Kg	1	11/12/2018 9:38:49 AM	
Surr: 4-Bromofluorobenzene	116	80-120	%Rec	1	11/12/2018 9:38:49 AM	41447

Analytical Report

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

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

С	hain-	of-Cus	stody Record	Turn-Around	Time:	SAME				L			E	R4 \	<i>1</i> T T		1745		INT	r a i		
Client:	BLAG	G ENGR.	/ BP AMERICA	Standard	Rush	DAY													AT			
				Project Name													l.con					
Mailing A	ddress:	P.O. BO	X 87	(ORNELL A	# 1E		49	01 H									 3710	9			
		BLOOM	FIELD, NM 87413	Project #:			1					975		,			-410					
Phone #:		(505) 63	2-1199									1	Anal	ysis	Reg	ques	st					
email or F	ax#:			Project Manag	jer.									(1)				
QAVQC Par	-		Level 4 (Full Validation)		STEVE MO	SKAL	(80218)	only)	MRO)			(5)		O4, SO	PCB's			er - 300.1)			e	
Accreditat	tion:			Sampler:	NELSON VE	ELEZ	= 18(Gas	/ DRO /	=	1)	SIN/		02,1	/ 8082			water			hpl	
	>	D Other		On Ice:	Syes	INO 971		+ TPH (Gas	0/0	118	04	3270		03,N	s / 8		(300.0 /			e sa	or N)
	Type)			Sample Temp	erature: 4	2		+	GRC	od (, po	or 8	stals	N'N	cide	A)	0/-1	1 . 1		e	osit	(V 01
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO. 811571	BTEX + MTB	BTEX + MTBE	FPH 8015B (GRO	TPH (Method 418.1)	EDB (Method 504	PAH (8310 or 82705IMS)	RCRA 8 Metals	Anions (F,Cl,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides	8250B (VOA)	8270 (Semi-VOA)	Chloride (soil		Grab sample	5 pt. composite sample	Air Bubbles (Y
11/9/18	1215	SOIL	5PC-TB@ 5 (95)	4 oz 1	Cool	- 001	V		٧							1		V			٧	
																1	1					
																1	1					
																						-
				1												1	1					
The Party of the same latter to the same latter											-				-	-				-	-	
Date:	Time	Relinquishe	ad by:	Received by:		Date Time	Rem	arks	:	BILL	DIREC	דו א דו	O BP	USING	I 3 THE	CONT	TACTO	S) BELL	ow &			
"/9/18	1310	90	lavf	Ties	care 1	10/18 1112	0	ONTA		- appropriate and a second		de la constante	port of the second second					TO BF	EMAI	TOF	ALL.	
Date:	Time	Relinquish	ed by. /	Received by		Date Time																

Client: Project:	00	Engineering II A 1E						
Sample ID	MB-41467	SampType: mblk	TestCod	e: EPA Method	d 300.0: Anions			
Client ID:	PBS	Batch ID: 41467	RunN	o: 55575				
Prep Date:	11/12/2018	Analysis Date: 11/12/201	8 SeqN	o: 1851210	Units: mg/Kg			
Analyte		Result PQL SPK v	alue SPK Ref Val %F	EC LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 1.5						
Sample ID	LCS-41467	SampType: Ics	TestCod	e: EPA Method	d 300.0: Anions			
Client ID:	LCSS	Batch ID: 41467	RunN	o: 55575				
Prep Date:	11/12/2018	Analysis Date: 11/12/201	8 SeqN	o: 1851211	Units: mg/Kg			
Analyte		Result PQL SPK v	alue SPK Ref Val %F	EC LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14 1.5 1	5.00 0 9	5.8 90	110			

Qualifiers:

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

Page 2 of 5

.

WO#: 1811571

13-Nov-18

Client: Project:	Blagg En Cornell A	0 0									
Sample ID	MB-41462	SampT	ype: ME	BLK	Tes	tCode: E	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	PBS	Batch	ID: 41	462	F	RunNo: 5	55577				
Prep Date:	11/12/2018	Analysis D	ate: 1	1/12/2018	S	SeqNo: 1	1850744	Units: mg/M	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	ND	10								
Motor Oil Rang	e Organics (MRO)	ND	50								
Surr: DNOP		9.1		10.00		90.6	50.6	138			
Sample ID	LCS-41462	SampT	ype: LC	s	Tes	tCode: E	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	LCSS	F	RunNo: 55577								
Prep Date:	11/12/2018	Analysis D	ate: 11	1/12/2018	S	SeqNo: 1	850745	Units: mg/M	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	43	10	50.00	0	85.3	70	130			
Surr: DNOP		4.4		5.000		88.2	50.6	138			
Sample ID	1811571-001AMS	SampT	ype: MS	3	Tes	tCode: E	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	5PC-TB @ 5' (95)	Batch	ID: 41	462	F	RunNo: 5	55577				
Prep Date:	11/12/2018	Analysis D	ate: 1	1/12/2018	S	SeqNo: 1	851494	Units: mg/M	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	43	10	49.85	5.147	75.3	53.5	126			
Surr: DNOP		5.1		4.985		102	50.6	138			
Sample ID	1811571-001AMSI	D SampT	ype: MS	SD	Tes	tCode: E	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	5PC-TB @ 5' (95)	Batch	ID: 41	462	F	RunNo: 5	55577				
Prep Date:	11/12/2018	Analysis D	ate: 14	1/12/2018	S	SeqNo: 1	851495	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	46	9.6	47.94	5.147	84.8	53.5	126	7.03	21.7	
Surr: DNOP		4.9		4.794		102	50.6	138	0	0	

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

Sample pH Not In Range

- J Analyte detected below quantitation limits
- Page 3 of 5

RL Reporting Detection Limit

Р

W Sample container temperature is out of limit as specified

WO#:	1811571

Page 4 of 5

13-Nov-18

Client: Blagg E Project: Cornell	ngineering A 1E											
Sample ID MB-41447	SampT	ype: ME	BLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS Batch ID: 41447				F	RunNo: 55580							
Prep Date: 11/9/2018 Analysis Date: 11/12/2018 SeqNo: 1851079 Units: mg/Kg												
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Gasoline Range Organics (GRO)	ND	5.0										
Surr: BFB	1000		1000		101	73.8	119					
Sample ID LCS-41447	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e			
Client ID: LCSS	Batch	n ID: 414	447	F	RunNo: 5	5580						
Prep Date: 11/9/2018	Analysis D	ate: 11	/12/2018	S	SeqNo: 1	851080	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	80.1	123					
Surr: BFB	1100		1000		113	73.8	119					

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

Client: Blagg Engineering

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Project: Cornell A 1E

							and the second sec			
Sample ID MB-41447	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 41447			RunNo: 55580						
Prep Date: 11/9/2018	Analysis Date: 11/12/2018			S	SeqNo: 1	851093	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	1.2		1.000		116	80	120			
Sample ID LCS-41447	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 41447			RunNo: 55580						
Prep Date: 11/9/2018	Analysis D	Analysis Date: 11/12/2018			SeqNo: 1851094			Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.1	80	120			
Toluene	0.96	0.050	1.000	0	95.6	80	120			
Ethylbenzene	0.95	0.050	1.000	0	95.2	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.9	80	120			
Surr: 4-Bromofluorobenzene	1.4		1.000		138	80	120			S

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

WO#: 1811571 13-Nov-18

Page 5 of 5

HALL ENVIRONMENTAL ANALYSIS LABORATORY	111. 303-	Hall Environmental Analysis Laboratory 3001 Haw kins 53 Hougustanie XVI 82445 11 L. 305-143-3972 EAY 503-345-445-445 Webste visiw haifenvironmental.com				Sample Log-In Check List			
Client Name BLAGG	Work Order	er Number: 1811571			ReptNa: 1				
Received By Isatah Ortiz Completed By Ashley Gallegos	11/10/2018 11			IGA		THOMALD'S			
Completed By Ashley Gatlegos Reviewed By	11/12/2018 8:3		28/1	edby	· JAB	11/012/18			
() Chain of Custody									
1 Is Chain of Custody complete?		Yes	V	No	Not Presert				
2. How was the sample derivered?		Cou	ier						
Log In									
Was an attempt made to cool the s	amples /	Yes	V	No	NA LLI				
4, where all samples received at a term	perature of >0° C to 6 0°C) Yes	V	No 🗌	NA				
5. Sample(s) in proper containens)?		Yes	V	No					
 Sufficient sample volume for indicat 	ed test(s)?	Yes	1	No 🗋					
7. Are samples (except VOA and ONC	i) property preserved?	Yes	V	No					
8 Was preservative added to cottles?		Yera		No 🗹	MA I_I				
9 VOA viais have zero headspace?		Yes		No C	No VOA Vials 🗹	a			
 Were any sample containers races 	Y⊕ε		Ng 🗸	# of preserved					
11 Does paperwork match bettle labels (Note discrepancies on chain of cus	Yes	~	Na	ionities checked for pill. (<2 p	15/15 unless apred				
2. Are matricles correctly centified on i	Chain of Custody?	Yes	V.	No	Adjusted?	NO			
13. Is it clear what analyses were reque	sied?	YES	V	No []	X	HS			
 Were all holding times able to be million (If no notify customer for authorizat) 	4. Were all holding times able to be mot? (If no polify distance for authorization s			No	Checked by.)	112			
Special Handling (if applicable))			-					
15. Was client notified of all discrepand		Ves		No	NA 🗸				
Person Notified.	(Date	an a su constanti a compa						
By Whom		/ia 🗍 eMa	ni P	hone 🔄 Fax	In Person				
Regarding:				n a mana (an 1 - 1 - 1 an ann an	(an angle and an of the faith of the control of grant) provide and a faith of the providence of the providence				
Client Instructions				وماقو الموروف المناف المواد المالية الما					
16. Additional remarks.									
17 Gooler Information Cooler No Temp °C Condit	Ion Seal Intact Seal 1	Vo Seal D	le	Signed By					
1 4.2 Good	Yes	an a	the system of the second	Alex and a					

Yes

Page 1 of 1

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