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

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State of New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 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
Proposed Alternative Method Permit or Closure Plan Application CONS. DIV DIST. 3
Type of action: Below grade tank registration Permit of a pit or proposed alternative method Closure of a pit, below-grade tank, or proposed alternative method Modification to an existing permit/or registration Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank,
or proposed alternative method
Instructions: Please submit one application (Form C-144) per individual pit, 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.
1. Operator: BP America Production Company OGRID #: 778 Address: 200 Energy Court, Farmington, NM 87401 OGRID #: 778
Address: 200 Energy Court, Farmington, NM 87401
Facility or well name: NEBU 037
API Number: 3004513344 OCD Permit Number:
Center of Proposed Design: Latitude 36.847616 Longitude -107.609684 NAD83
Surface Owner: 🔳 Federal 🗌 State 🗌 Private 🗌 Tribal Trust or Indian Allotment
2.
<u>Pit</u>: Subsection F, G or J of 19.15.17.11 NMAC
Temporary: Drilling Workover
Permanent Emergency Cavitation P&A Multi-Well Fluid Management Low Chloride Drilling Fluid yes no
Lined Unlined Liner type: Thickness mil LLDPE HDPE PVC Other
String-Reinforced
Liner Seams: 🗌 Welded 🗋 Factory 🗋 Other Volume:bbl Dimensions: L x W x D
3
Below-grade tank: Subsection I of 19.15.17.11 NMAC TANK B
Volume: 95 bbl Type of fluid: Produced Water
Tank Construction material: Steel
Secondary containment with leak detection 🗌 Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
Visible sidewalls and liner Visible sidewalls only Other Single wall/ Double bottom; sidewalls not visible
Liner type: Thicknessmil HDPE PVC Other
4.
Alternative Method:
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.
s. 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 (<i>Required if located within 1000 feet of a permanent residence, school, hospital,</i>
institution or church)
Four foot height, four strands of barbed wire evenly spaced between one and four feet
Alternate. Please specify

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Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)

Screen Netting Other

Monthly inspections (If netting or screening is not physically feasible)

Signs: Subsection C of 19.15.17.11 NMAC

12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

Signed in compliance with 19.15.16.8 NMAC

Variances and Exceptions:

Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.

Please check a box if one or more of the following is requested, if not leave blank:

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

Siting Criteria (regarding permitting): 19.15.17.10 NMAC

Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Siting criteria does not apply to drying pads or above-grade tanks.

General siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank	☐ Yes ☐ No ☐ 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 □ NA
 Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. (Does not apply to below grade tanks) Written confirmation or verification from the municipality; Written approval obtained from the municipality 	🗌 Yes 🗌 No
 Within the area overlying a subsurface mine. (Does not apply to below grade tanks) Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division 	🗌 Yes 🗌 No
 Within an unstable area. (Does not apply to below grade tanks) Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 	🗌 Yes 🗌 No
Within a 100-year floodplain. (Does not apply to below grade tanks) - FEMA map	Yes No
Below Grade Tanks	
 Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No
 Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
 Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) Topographic map; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No
Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes No
- 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

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 Within 100 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site 	Yes No
Temporary Pit Non-low chloride drilling fluid	
 Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site 	□ Yes □ No
 Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	Yes No
 Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site 	Yes No
 Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No
Permanent Pit or Multi-Well Fluid Management Pit	
 Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site 	□ Yes □ No
 Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	Yes No
 Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No
 Within 500 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No
10. Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NM Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the doct attached. Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.10 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 19.12 and 19.15.17.13 NMAC Previously Approved Design (attach copy of design) API Number: or Permit Number:	numents are NMAC 5.17.9 NMAC
11.	
Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the docu attached.	

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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 orattached. Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Climatological Factors Assessment Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC Quality Control/Quality Assurance Construction and Installation Plan Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Huisance 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 19.15.17.13 NMAC	documents are
^{13.} <u>Proposed Closure:</u> 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 Fl 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 Onesite Trench Burial Onesite Closure Method	uid Management Pit
 Maste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be a closure plan. Please indicate, by a check mark in the box, that the documents are attached. Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC 	ittached to the
^{15.} Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. Pa 19.15.17.10 NMAC for guidance.	
Ground water is less than 25 feet below the bottom of the buried waste NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
 Ground water is more than 100 feet below the bottom of the buried waste. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells 	Yes No
 Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site 	Yes No
 Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	Yes No
 Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application. NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No
at the time of initial application.	 ☐ Yes □ No ☐ Yes □ No
at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	

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 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
16. On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure 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 19.15.1 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 ca 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	7.11 NMAC 9.15.17.11 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 b	elief.
Name (Print): Title:	
Signature: Date:	
e-mail address: Telephone:	
18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)	
OCD Representative Signature: Approval Date:	12018
Title: <u>OCD Permit Number:</u>	
19. <u>Closure Report (required within 60 days of closure completion)</u> : 19.15.17.13 NMAC Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submittie The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do no section of the form until an approved closure plan has been obtained and the closure activities have been completed. Closure Completion Date: 11/9/2017	
20. Closure Method: Waste Excavation and Removal On-Site Closure Method If different from approved plan, please explain.	loop systems only)
^{21.} <u>Closure Report Attachment Checklist</u> : Instructions: Each of the following items must be attached to the closure report. Please mark in the box, that the documents are attached.	indicate, by a check

Oil Conservation Division

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22. Operator Closure Certification:	
hereby certify that the information and attachments submit	itted with this closure report is true, accurate and complete to the best of my knowledge and icable closure requirements and conditions specified in the approved closure plan.
Name (Print): Erin Garifalos	Title: Field Environmental Coordinator
Signature:	Date: January 9, 2018
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

NEBU 037

API No. 3004513344

Unit Letter B Section 06 T 30N R 07W

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

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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
	95 bbl BGT	(mg/Kg)	results
Benzene	US EPA Method SW-846 8021B or 8260B	10	< 0.022
Total BTEX	US EPA Method SW-846 8021B or 8260B	50	< 0.088
TPH	US EPA Method SW-846 418.1 or 8015 extended	100	1350
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 except TPH. An area beneath the BGT was discolored, 2 grab samples were collected at 4' and 8'. The release will be addressed under a subsequent C-141. 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 occurred. The release will be addressed under a subsequent C-141. Attached are laboratory reports for BGT closure and the discolored soil 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 occurred. The release will be addressed under a subsequent C-141. Attached are laboratory reports for BGT closure and the discolored soil 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 is within active 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 is within active 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 is within active 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 is within active operational area. The location will be reclaimed once the well is plugged and abandoned.

BP BGT Closure Plan 04-01-2010

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 is within active 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.

BP BGT Closure Plan 04-01-2010

District 1 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

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State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division

Form C-141 Revised August 8, 2011

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

API No. 3004513344

1220 South St. Francis Dr. Santa Fe, NM 87505

Release	Notification	and	Corrective	Action

	OPERATOR	\boxtimes	Initial Report	Final Report
Name of Company: BP	Contact: Steve Moskal			
Address: 200 Energy Court, Farmington, NM 87401	Telephone No.: 505-326-9497			
Facility Name: Northeast Blanco Unit 037	Facility Type: Natural gas well			

Surface Owner: Federal (BLM)

Mineral Owner: Federal

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County: San Juan
В	6	30N	07W	420	North	1990	East	

Latitude 36.84784°

Longitude _107.60995°

NATURE	OF RELEASE	
Type of Release: unknown hydrocarbons	Volume of Release: unknown	Volume Recovered: none
Source of Release: Historical impacts, possible former earthen pit	Date and Hour of Occurrence:	Date and Hour of Discovery:
	unknown	November 8, 2017
Was Immediate Notice Given?	If YES, To Whom?	
🗌 Yes 🗌 No 🖾 Not Required		7 3
By Whom?	Date and Hour:	DIN DISIO
Was a Watercourse Reached?	If YES, Volume Impacting the W	atercourse. on NS. Div
🗌 Yes 🖾 No		011 0010 2017
		atercourse. CONS. DIV DIST. 3 OIL CONS. DIV DIST. 3 NOV 22 2017
If a Watercourse was Impacted, Describe Fully.*		NUV
Describe Cause of Problem and Remedial Action Taken.* During BGT c	locure activities impacts ware identit	ind heneath the 05 bbl tank I ab analyisi
confirms the impacts are above the BGT closure standards and spill and i		
continue de impacto de doore de Dor ciosare standa as ana spin and i	erense Burdennes man a site ranning	
Describe Area Affected and Cleanup Action Taken.* The area has not be	en fully delineated and will be deline	ated via excavation at a later date. Attached
is a preliminary field report and lab analysis.		
I hereby certify that the information given above is true and complete to	the best of my knowledge and underst	tand that pursuant to NMOCD rules and
regulations all operators are required to report and/or file certain release it		
public health or the environment. The acceptance of a C-141 report by the		
should their operations have failed to adequately investigate and remedia		
or the environment. In addition, NMOCD acceptance of a C-141 report of	does not relieve the operator of respon	isibility for compliance with any other
federal, state, or local laws and/or regulations.	OIL CONSER	TION DIVISION
na na	OIL CONSER	VATION DIVISION
Signature: Mars Mice		$() \rightarrow ()$
	Approved by Environmental Special	
Printed Name: Steve Moskal	Approved by Environmental Special	s co c
	11100117	
Title: Field Environmental Coordinator	Approval Date: 107117	Expiration Date:
E-mail Address: steven.moskal@bp.com	Conditions of Approval:	Lude_
E-mail Address: steven.moskai@pp.com	Conditions of Approval:	Attached
Date: November 22, 2017 Phone: 505-326-9497	SHE SOUL	IKO
	U.S. War	
Attach Additional Sheets If Necessary	Sample Areator	-
Attach Additional Sheets II Necessary	Sample freactor	antro print
Attach Additional Sheets II Necessary	Semple freator	notice prive
Nitach Additional Sheets II Necessary	Semple Freator	notice prive
Nitach Additional Sheets If Necessary	Semple Precitor offy 24 have to 32	notice prive
N	Semple Arector office 24 hour to 30 IVF1731752	notice prive

bp



BP America Production Company 200 Energy Court Farmington, NM 87401

November 3, 2017

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: NORTHEAST BLANCO UNIT 37 API #: 3004513344

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, 2017. 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_niv@yahoo.com; Garifalos, Erin

 Subject:
 BP Pit Close Notification - NORTHEAST BLANCO UNIT 37

 Date:
 Friday, November 03, 2017 10:49:14 AM

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

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

November 3, 2017

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

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

NORTHEAST BLANCO UNIT 37 API 30-045-13344 (B) Section 6 – T30N – R07W 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 7, 2017.

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

Sincerely,

Erin Garifalos

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

Farrah Buckley BGT Project Support 970-946-9199 -cell

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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.

	BLAGG F	ENGINEERING, IN	IC.	API# 3004513344
CLIENT: DF				
		05) 632-1199		(if applicble):B
FIELD REPORT:	(circle one): BGT CONFIRMATION	/ RELEASE INVESTIGATION / (OTHER:	PAGE #:1_ of1_
SITE INFORMATION	SITE NAME: NEBU	# 37		DATE STARTED: 11/07/17
QUAD/UNIT: B SEC: 6 TWP:	30N RNG: 7W PM	M: NM CNTY: SJ	ST: NM	DATE FINISHED:
1/4 -1/4/FOOTAGE: 420'N / 1,90	D'E NW/NE LEASE	TYPE: FEDERAL STATE	/ FEE / INDIAN	ENVIRONMENTAL
LEASE #: SF079042	PROD. FORMATION:	CONTRACTOR: BP - J. GO	ONZALES	SPECIALIST(S): NJV
REFERENCE POINT				GL ELEV.: 6,165'
1) 95 BGT (SW/DB) - B		.847616 X 107.609684		
2)				RING FROM W.H.:
3)				RING FROM W.H.:
4)			DISTANCE/BEA	RING FROM W.H.:
SAMPLING DATA:	CHAIN OF CUSTODY RECORD(S) #			OVM READING
1) SAMPLE ID: 5PC - TB @ 4'				15B/8021B/300.0 (CI) 2.3
2) SAMPLE ID:				
3) SAMPLE ID:	SAMPLE DATE:	SAMPLE TIME:	LAB ANALYSIS:	
4) SAMPLE ID: 5) SAMPLE ID:				
SOIL DESCRIPTION				
SOIL COLOR: MOSTLY M COHESION (ALL OTHERS): NON COHESIVE (SLIGHTLY				OHESIVE MEDIUM PLASTIC / HIGHLY PLASTIC
CONSISTENCY (NON COHESIVE SOILS):				COLORED SOILS & GRAVEL
MOISTURE: DRY / SLIGHTLY MOIST / MOIST / W				
		ANY AREAS DISPLAYING WETNE		
DISCOLORATION/STAINING OBSERVED: YES				
SITE OBSERVATION APPARENT EVIDENCE OF A RELEASE OBSERVE				
EQUIPMENT SET OVER RECLAIMED AREA:	YES NO EXPLANATION -			
OTHER: NMOCD OR BLM REPS. NOT PE				
ACKNOWLEDGING NO PERMIT OR R EXCAVATION DIMENSION ESTIMATION:		ft. X ft.		FIMOVAL FOR SAMPLING.
DEPTH TO GROUNDWATER: N	EAREST WATER SOURCE: >1,00		<1,000' NMOC	D TPH CLOSURE STD: 1,000 ppm
SITE SKETCH	BGT Located : off on s	ite PLOT PLAN cir	cle: attached	CALIB. READ. = 100.0 ppm RE =1.00
L	E constante de la constante de			CALIB. READ. = <u>100.0</u> ppm CALIB. GAS = <u>100</u> ppm
	⊕ ₩.Н.			2:10 am(pm) DATE: 11/07/17
	WW.T1.			MISCELL, NOTES
				10:
	SOUND			EF #: P-902
	WALL FENCE			ID: VHIXONEV11
	× ×	BERM		J#:
		(95)-B		ermit date(s): 11/08/17
		PBGTL T.B. ~ 4'	0	CD Appr. date(s): 12/20/17
		B.G.	Tar ID	
	/		В	BGT Sidewalls Visible: Y / N
			K - S.P.D.	BGT Sidewalls Visible: Y / N
NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATIO		BELOW; T.H. = TEST HOLE; ~ = APPROX.;	W.H. = WELL HEAD;	BGT Sidewalls Visible: Y / N
T.B. = TANK BOTTOM; PBGTL = PREVIOUS BEL APPLICABLE OR NOT AVAILABLE; SW-SINGL	E WALL; DW - DOUBLE WALL; SB - SINGLE BO		G WALL; NA - NOT	lagnetic declination: 10° E
NOTES: GOOGLE EARTH IMAG	ERY DATE: 3/15/2015.	ONSITE: 11/07/	17	

Analytical Report
Lab Order 1711382
Date Reported: 11/9/2017

Detak

Hall Environmental Analysis Laboratory, Inc.

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CLIENT: Blagg EngineeringClient Sample ID: 5PC-TB @ 4' (95)Project: NEBU #37Collection Date: 11/7/2017 1:45:00 PMLab ID: 1711382-002Matrix: SOILReceived Date: 11/8/2017 7:00:00 AMAnalysesPecultPOLQual

Analyses	Result	PQL (Jual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	MRA
Chloride	ND	30		mg/Kg	20	11/8/2017 1:21:25 PM	34889
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS					Analyst	TOM
Diesel Range Organics (DRO)	150	97		mg/Kg	10	11/8/2017 10:16:20 AM	34882
Motor Oil Range Organics (MRO)	1200	480		mg/Kg	10	11/8/2017 10:16:20 AM	34882
Surr: DNOP	0	70-130	S	%Rec	10	11/8/2017 10:16:20 AM	34882
EPA METHOD 8015D: GASOLINE RAN	IGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.4		mg/Kg	1	11/8/2017 11:37:24 AM	34869
Surr: BFB	105	15-316		%Rec	1	11/8/2017 11:37:24 AM	34869
EPA METHOD 8021B: VOLATILES						Analyst:	NSB
Benzene	ND	0.022		mg/Kg	1	11/8/2017 11:37:24 AM	34869
Toluene	ND	0.044		mg/Kg	1	11/8/2017 11:37:24 AM	34869
Ethylbenzene	ND	0.044		mg/Kg	1	11/8/2017 11:37:24 AM	34869
Xylenes, Total	ND	0.088		mg/Kg	1	11/8/2017 11:37:24 AM	34869
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	11/8/2017 11:37:24 AM	34869

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	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 2 of 6
	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

CI	hain-c	of-Cus	tody Record	Turn-Around T	ïme:	SAME				Ŀ			F	NIV	TE	20	NI 8		NT	CA.		-
Client:	BLAG	G ENGR.	/ BP AMERICA	Standard	. Rush _	DAY			F										ATO			,
				Project Name:													.com					*
Mailing Ac	dress:	P.O. BO	X 87	-	NEBU #3	7		49	01 H	lawk									9			
		BLOOM	FIELD, NM 87413	Project #:	The second second second	181.)				05-34							-410					
Phone #:		(505) 63	2-1199	1								A	Anal	ysis	Red	lues	t	17				
email or F	ax#:			Project Manag	er:									-				1)		Т		
QA/QC Pac	-		Level 4 (Full Validation)		NELSON VI	ELEZ	7181	(Ajuq	/ MRO)			()		04,SO	PCB's			r - 300.1)				
Accreditat				Sampler:	NELSON VE	ELEZ 97	1/ 8	aas o	1/0		-	SIM)2,P(/ 8082			water			sample	
		Other			W Yes	Stations where where a rest of the state of the	Anti (RO21R)	+ TPH (Gas only)	/ DRO	18.1	04.1	270		3,NC	/ 8((F	/ 0.0			san	î
				Car An All the state of the state of the	nature 2 H.				GRO	od 4	od 5	or 8	tals	NON,	ides	1	2	- 30			site	Y or
Date	Time	Matrix	Sample Request ID	Type and #	Preservative Type	HEAL NO. 111382	RTFX	BTEX + MTBE	TPH 8015B (GRO	TPH (Method 418.1)	EDB (Method 504.1)	PAH (8310 or 8270SIMS)	RCRA 8 Metals	Anions (F,Cl,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides	8260B (VOA)	8270 (Semi-VOA)	Chloride (soil - 300.0 /		Grab sample	5 pt. composite	Air Bubbles (Y or N)
1111	7312	SOIL	5PG TB @ 2/ '(35)	4 01. 1	Gool	-201			-				_					-			+	-
"/7/17	1345	SOIL	5PC-TB@4'(95)	402-1	COOL	-70	2 1		V									V			\checkmark	
								+											\neg	-+		
							+	+		· · ·												
								+														
							+	+			_	-	-							_	-	\vdash
							+	+							-	-						\vdash
Date;	Time:	Relinguishe	ad hw:	Received by:		Date Time	Re	marks		BILL	DIREC	TIVT	OBP	ISING	THE	CONT	ACTV	VITH	CORRE	SPON	IDING	
12/7/17		9/	In VI	Aba 1	()			and No		& RE								- million	SANC		20140	1 110
Date:	1547 Time:	Relinquishe	ad by:	Received by:)	ulifile	Date Time	4	CONT		ERIN				/ VA	NCE	HIXC	N					
11_1	1810	Aha	d () a d i	0./)) 11	08/17	P	eferer			P - 1											
17/17		LIV. samples s	ubmitted to Hall Environmental may be s	ubcontracted to other	accredited laboratorie	0700 This serves as notice							data y	will be	clearly	notat	ed on	the an	nalvtica	repor	at	

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

Client: Blagg Engineering Project: NEBU #37

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Sample ID MB-34889	SampType: mblk	Test	Code: EPA Method	300.0: Anions			
Client ID: PBS	Batch ID: 34889	R	unNo: 46970				
Prep Date: 11/8/2017	Analysis Date: 11/8/2	2017 S	eqNo: 1499332	Units: mg/Kg			
Analyte	Result PQL SF	PK value SPK Ref Val	%REC LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND 1.5						
Sample ID LCS-34889	SampType: Ics	Test	Code: EPA Method	300.0: Anions			
Sample ID LCS-34889 Client ID: LCSS	SampType: Ics Batch ID: 34889		Code: EPA Method	300.0: Anions			
	1 31	R		300.0: Anions Units: mg/Kg			
Client ID: LCSS	Batch ID: 34889 Analysis Date: 11/8/2	R	unNo: 46970	Units: mg/Kg	%RPD	RPDLimit	Qual

Qualifiers:

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

Page 3 of 6

WO#: 1711382 09-Nov-17

VDEDODT

Client:Blagg EngineeringProject:NEBU #37

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Sample ID LCS-34882	SampT	SampType: LCS			tCode: El	e Organics				
Client ID: LCSS	Batch	Batch ID: 34882			RunNo: 46959					
Prep Date: 11/8/2017	Analysis D	ate: 11	1/8/2017	S	SeqNo: 1	498202	Units: mg/k	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	88.4	73.2	114			
Surr: DNOP	4.0		5.000		79.8	70	130			
Sample ID MB-34882	SampT	ype: ME	BLK	Tes	Code: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: PBS	Batch	ID: 34	882	F	unNo: 4	6959				
Prep Date: 11/8/2017	Analysis Da	ate: 11	/8/2017	S	eqNo: 1	498203	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	8.5		10.00		84.9	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
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

WO#: 1711382 09-Nov-17

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Client: Blagg Engineering Project: NEBU #37

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Sample ID MB-34869	SampT	ype: ME	BLK	Tes	TestCode: EPA Method 8015D: Gasoline Range					
Client ID: PBS	Batch	D: 34	869	F	RunNo: 4	6964				
Prep Date: 11/7/2017	Analysis D	ate: 11	1/8/2017	S	SeqNo: 1	499080	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								
Curry DED	1100		1000		100	15	316			
Surr: BFB	1100		1000		108	15	310			
Sample ID LCS-34869		ype: LC		Tes			8015D: Gaso	line Rang	e	
	SampT	ype: LC	S			PA Method		line Rang	e	
Sample ID LCS-34869	SampT	n ID: 34	S 869	F	tCode: El	PA Method 6964			e	
Sample ID LCS-34869 Client ID: LCSS	SampT Batch	n ID: 34	:S 869 1/8/2017	F	tCode: El	PA Method 6964	8015D: Gaso		e RPDLimit	Qual
Sample IDLCS-34869Client ID:LCSSPrep Date:11/7/2017	SampT Batch Analysis D	n ID: 34 ate: 1 1	:S 869 1/8/2017	F	tCode: El RunNo: 4 SeqNo: 1	PA Method 5964 499081	8015D: Gaso Units: mg/K	(g		Qual

Qualifiers:

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

Page 5 of 6

WO#: 1711382

09-Nov-17

Client: Blagg Engineering Project: NEBU #37

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		-								
Sample ID MB-34869	SampT	ype: ME	BLK	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batcl	n ID: 34	869	F	RunNo: 4	6964				
Prep Date: 11/7/2017	Analysis D)ate: 11	1/8/2017	S	SeqNo: 1	499090	Units: mg/k	٢g		
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	1.1		1.000		107	80	120			
Sample ID LCS-34869	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batch	n ID: 34	869	F	RunNo: 4	6964				
Prep Date: 11/7/2017	Analysis D	ate: 11	/8/2017	S	SeqNo: 1	499091	Units: mg/M	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	104	77.3	128			
Toluene	1.1	0.050	1.000	0	106	79.2	125			
Ethylbenzene	1.1	0.050	1.000	0	105	80.7	127			
Xylenes, Total	<mark>3.</mark> 1	0.10	3.000	0	104	81.6	129			
Surr: 4-Bromofluorobenzene	1.1		1.000		112	80	120			

Qualifiers:

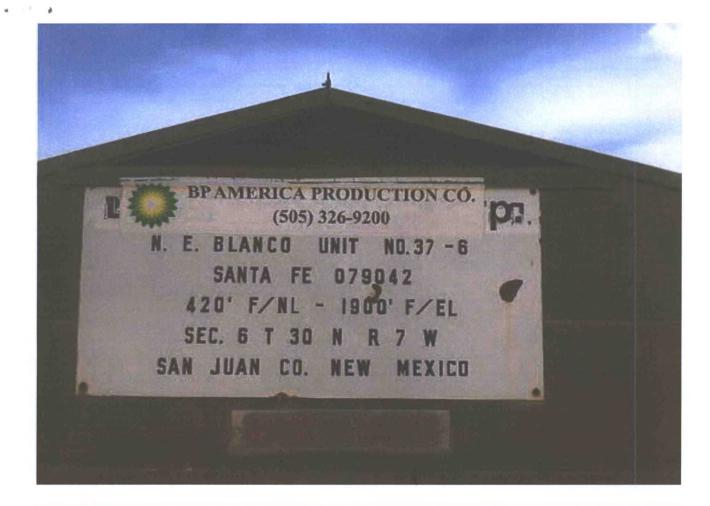
- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated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

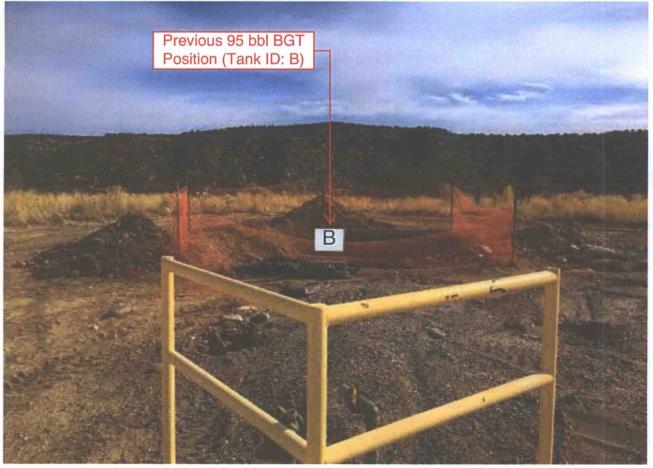
WO#: 1711382 09-Nov-17

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HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental Albu Albu TEL: 505-345-3975 Website: www.hal	4901 querqu FAX: 5	Hawkins NE e, NM 87109 05-345-4107	Sam	ple Log-In Check List
Client Name: BLAGG	Work Order Number:	17113	382		RcptNo: 1
Received By: Anne Thorne	11/8/2017 7:00:00 AM			Anne Ham	_
Completed By: Anne Thorne Reviewed By:	11/8/2017 7:22:49 AM 11(8)[7			Anne Hann	
Chain of Custody					
1. Custody seals intact on sample bottles	?	Yes		No 🗌	Not Present
2. Is Chain of Custody complete?		Yes		No 🗌	Not Present
3. How was the sample delivered?		Cour	ler		
<u>Log In</u>					
4. Was an attempt made to cool the sam	ples?	Yes		No 🗌	NA 🗆
5. Were all samples received at a temper	ature of >0° C to 6.0°C	Yes		No 🗌	
6. Sample(s) in proper container(s)?		Yes		No 🗌	
7. Sufficient sample volume for indicated	test(s)?	Yes		No 🗌	
8. Are samples (except VOA and ONG) p	roperly preserved?	Yes		No 🗌	_
9. Was preservative added to bottles?		Yes		No 🗹	NA 🗆
10.VOA vials have zero headspace?		Yes		No 🗌	No VOA Vials
11. Were any sample containers received	broken?	Yes		No 🗹 🏾	# of preserved bottles checked
12. Does paperwork match bottle labels? (Note discrepancies on chain of custod	y)	Yes	\checkmark	No 🗌	for pH: (<2 or >12 unless noted
13. Are matrices correctly identified on Cha	in of Custody?	Yes	\checkmark	No 🗌	Adjusted?
14. Is it clear what analyses were requested	d?			No 🗆	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes		No 🗌	Checked by:
<u>Special Handling (if applicable)</u>					
16. Was client notified of all discrepancies	with this order?	Yes		No 🗌	NA 🗹
Person Notified:	Date	interstellersteller	that was a state of the state o	atimologia tanan kelanop	
By Whom:	Via:	eMa	il 🗌 Phon	ne 🗌 Fax	In Person
Regarding:					
Client Instructions:					
17. Additional remarks:					
18. <u>Cooler Information</u> Cooler No Temp °C Condition	Seal Intact Seal No S	eal Da		ned By	

Page 1 of 1





	BLAGG E	NGINEERING, IN	C.	API # 3004513	244
CLIENT: BP		LOOMFIELD, NN			344
	(50	5) 632-1199		(if applicble):	
FIELD REPORT:	(circle one): BGT CONFIRMATION /	RELEASE INVESTIGATION / O	THER:	PAGE #: of	1
SITE INFORMATION	SITE NAME: NEBU #	¥ 37		DATE STARTED: 11/0	7/17
QUAD/UNIT: B SEC: 6 TWP:	30N RNG: 7W PM:	NM CNTY: SJ	ST: NM	DATE FINISHED:	
1/4 -1/4/FOOTAGE: 420'N / 1,900 LEASE #: SF079042		YPE: FEDERAL/STATE/ STRIKE DNTRACTOR: BP - J. GO		ENVIRONMENTAL SPECIALIST(S):	VI
REFERENCE POINT	-				
1) 95 BGT (SW/DB) - B		36.64763		GL ELEV.: 6	
2)	GPS COORD.:	HI010 X 107.003004		RING FROM W.H.:	JOLL
3)	GPS COORD.:			RING FROM W.H.:	
3)	GPS COORD.:			RING FROM W.H.:	
SAMPLING DATA:	CHAIN OF CUSTODY RECORD(S) # 0				OVM READING
SAIVIPLING DATA. 1) SAMPLE ID: 1@4' (95)]		801	15B/8021B/300.0 (CI)	(ppm) 2.7
1) SAMPLE ID: 1 @ 4 (33) 2) SAMPLE ID: 1 @ 8' (95)				15B/8021B/300.0 (CI)	392
3) SAMPLE ID:			LAB ANALYSIS:		
4) SAMPLE ID:			LAB ANALYSIS:		
5) SAMPLE ID:			LAB ANALYSIS:		
SOIL DESCRIPTION					
	ODERATE BROWN	PLASTICITY (CLAYS): NON PLASTIC			LY PLASTIC
COHESION (ALL OTHERS): NON COHESIVE (SLIGHTLY CONSISTENCY (NON COHESIVE SOILS): LO		DENSITY (COHESIVE CLAYS & SHC ODOR DETECTED: YES NO			
MOISTURE: DRY/SLIGHTLY MOIST / MOIST / WE	ET / SATURATED / SUPER SATURATED				
SAMPLE TYPE: GRAB COMPOSITE #		ANY AREAS DISPLAYING WETNES			
DISCOLORATION/STAINING OBSERVED: YES N					
SITE OBSERVATION APPARENT EVIDENCE OF A RELEASE OBSERVE					(b)
EQUIPMENT SET OVER RECLAIMED AREA:	YES NO EXPLANATION -				
OTHER: NMOCD OR BLM REPS. NOT PR					
NO PERMIT OR REGISTRATION WAS EXCAVATION DIMENSION ESTIMATION:	ft. X	ft. X ft.		E ONLY PERMIT SUBMITTE	D LATER.
DEPTH TO GROUNDWATER: >100' N	EAREST WATER SOURCE: >1,000'			D TPH CLOSURE STD: 1,00	0 ppm
SITE SKETCH	BGT Located : off on site	PLOT PLAN circ	le: attached	CALIB. READ. = 100.0 ppm	
	\oplus			CALIB. GAS = 100 ppn	14 1.00
	W.H.				/07/17
				MISCELL, NOT	
					^{E3}
	SOUND WALL FENCE			/0: EF #: P-902	
		ERM		ID: VHIXONEV11	
FO	RMER ITT	(95)-B	-	J#:	
	RESSOR	PBGTL		ermit date(s): 11/08	/17
Ecc		T.B. ~ 4' B.G.		CD Appr. date(s): 12/20	/17
	/ T.H.		Tar	ovM = Organic Vapor Mete	er
	E.B. ~ 8' B.G.			BGT Sidewalls Visible: Y	I)
		X	- S.P.D.	BGT Sidewalls Visible: Y / N	1
NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATIO		LOW; T.H. = TEST HOLE; ~ = APPROX.; V	V.H. = WELL HEAD;	BGT Sidewalls Visible: Y / M	
T.B. = TANK BOTTOM; PBGTL = PREVIOUS BELC APPLICABLE OR NOT AVAILABLE; SW - SINGLE			NALL; NA - NOT	lagnetic declination: 10	[°] E
NOTES: GOOGLE EARTH IMAGE	RY DATE: 3/15/2015.	ONSITE: 11/07/1	7		
revised: 11/26/13				BEI100	05E-6.SKF

Hall Environmental Analys	is Laborat	ory, In	c.		Lab Order 1 Date Report	711381 ed: 11/9/201	7
CLIENT: Blagg Engineering Project: NEBU #37 Lab ID: 1711381-001	Matrix: S	SOIL		Collection	ple ID: 1 @ 4' (95) n Date: 11/7/2017 1:50 d Date: 11/8/2017 7:00		
Analyses	Result	PQL (Qual	Units	DF Date Anal	yzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	MRA
Chloride	ND	30		mg/Kg	20 11/8/2017 1	2:44:11 PM	34889
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS					Analyst:	TOM
Diesel Range Organics (DRO)	620	96		mg/Kg	10 11/8/2017 1	1:00:16 AM	34882
Motor Oil Range Organics (MRO)	3200	480		mg/Kg	10 11/8/2017 1	1:00:16 AM	34882
Surr: DNOP	0	70-130	S	%Rec	10 11/8/2017 1	1:00:16 AM	34882
EPA METHOD 8015D: GASOLINE RAM	IGE					Analyst:	NSB
Gasoline Range Organics (GRO)	ND	19		mg/Kg	5 11/8/2017 1	0:02:03 AM	34869
Surr: BFB	110	15-316		%Rec	5 11/8/2017 1	0:02:03 AM	34869
EPA METHOD 8021B: VOLATILES						Analyst:	NSB
Benzene	ND	0.096		mg/Kg	5 11/8/2017 1	0:02:03 AM	34869
Toluene	ND	<mark>0.19</mark>		mg/Kg	5 11/8/2017 1	0:02:03 AM	34869
Ethylbenzene	ND	0.19		mg/Kg	5 11/8/2017 1	0:02:03 AM	34869
Xylenes, Total	ND	0.38		mg/Kg		0:02:03 AM	
Surr: 4-Bromofluorobenzene	109	80-120		%Rec	5 11/8/2017 1	0:02:03 AM	34869

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 6
	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

Hall Environmental Analysis Laboratory, Inc.							
Matrix:	SOIL		Collection	Date: 11/7	7/2017 2:05:00 PM		
Result	PQL	Qual	Units	DF	Date Analyzed	Batch	
ND	30		mg/Kg	20	Analyst: 11/8/2017 12:56:35 PM		
ORGANICS	6				Analyst	TOM	
8100 13000 0	930 4600 70-130	S	mg/Kg mg/Kg %Rec	100	11/8/2017 12:39:29 PM	34882	
E					Analyst:	NSB	
240 418	22 15-316	S	mg/Kg %Rec	5 5	11/8/2017 10:25:51 AM 11/8/2017 10:25:51 AM		
					Analyst:	NSB	
ND ND 0.37 8.1 134	0.11 0.22 0.22 0.44 80-120	S	mg/Kg mg/Kg mg/Kg mg/Kg %Rec	5 5 5 5	11/8/2017 10:25:51 AM 11/8/2017 10:25:51 AM 11/8/2017 10:25:51 AM 11/8/2017 10:25:51 AM 11/8/2017 10:25:51 AM	34869 34869 34869	
	Matrix: Result ND ORGANICS 8100 13000 0 E 240 418 ND ND ND 0.37	Matrix: SOIL Result PQL ND 30 ORGANICS 30 8100 930 13000 4600 0 70-130 E 240 22 418 15-316 ND 0.11 ND 0.22 0.37 0.22 8.1 0.44	Matrix: SOIL Result PQL Qual ND 30 30 ORGANICS 30 30 13000 4600 30 13000 4600 30 0 70-130 S E 240 22 418 15-316 S ND 0.11 ND ND 0.22 0.37 0.37 0.22 8.1	ND 30 mg/Kg ORGANICS mg/Kg 8100 930 mg/Kg 13000 4600 mg/Kg 0 70-130 S %Rec 240 22 mg/Kg 418 15-316 S %Rec ND 0.11 mg/Kg ND 0.22 mg/Kg 0.37 0.22 mg/Kg 8.1 0.44 mg/Kg	Laboratory, Inc. Client Sample ID: 1 @ Collection Date: 11/7 Matrix: SOIL Received Date: 11/7 Matrix: SOIL PQL Qual Units DF ND 30 mg/Kg 20 ORGANICS 930 mg/Kg 100 13000 4600 mg/Kg 100 13000 4600 mg/Kg 5 ND 0.11 mg/Kg 5 ND 0.22 mg/Kg 5 ND 0.22 mg/Kg 5 0.37 0.22 mg/Kg 5 8.1 0.44 mg/Kg 5	Client Sample ID: 1 @ 8' (95) Collection Date: 11/7/2017 2:05:00 PM Matrix: SOIL Received Date: 11/8/2017 2:05:00 PM Matrix: SOIL Received Date: 11/8/2017 2:05:00 PM Result PQL Qual Units DF Date Analyzed ND 30 mg/Kg 20 11/8/2017 12:56:35 PM Analyst: ND 30 mg/Kg 100 11/8/2017 12:39:29 PM Analyst: 8100 930 mg/Kg 100 11/8/2017 12:39:29 PM Analyst: 8100 930 mg/Kg 100 11/8/2017 12:39:29 PM Analyst: 13000 4600 mg/Kg 100 11/8/2017 12:39:29 PM 0 70-130 S %Rec 100 11/8/2017 10:25:51 AM 418 15-316 S %Rec 5 11/8/2017 10:25:51 AM 418 15-316 S %Rec 5 11/8/2017 10:25:51 AM ND 0.11 mg/Kg 5 11/8/2017 10:25:51 AM Analyst:	

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 2 of 6
	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

Analytical Report Lab Order 1711381

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Cł	nain-c	of-Cus	tody Record	Turn-Around	Time:	SAME],			н	ALI	F		TE	20			NT	-	
Client:	BLAG	G ENGR.	/ BP AMERICA	Standard		DAY		E.C.	E.											
				Project Name				ANALYSIS LABORATORY												
Mailing A	ddress:	P.O. BO	X 87		NEDIL # 27															
6			FIELD, NM 87413	Project #:					4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107											
Phone #:		(505) 63						16	el. 50	5-54:						-				
email or F	ax#:	(505) 05		Project Manager:				Analysis Request												
QA/QC Pa			u <u>***</u>				1	5	0				SO4)	SIS			300.1)			
Standa	-		Level 4 (Full Validation)		NELSON V	ELEZ	8021B)	only	/ MRO)		IS I		PO4,	PCE						a
Accreditat	tion:			Sampler:	NELSON V	ELEZ 92V		(Ga:	SRO	1)	504.1) 8270SIMS		102,	3082			300.0 / water			sample N)
	.	Other		On Ice:	and the second se	El No		TPH	1/0	418.	8270		03,1	s/8		(Y	00.00			e sa
	Гуре)				erature 2.4	CP-1.0=1.4		÷ 3	(GR	po	od od	etals	CI'N	cide	A)	i-V			e :	OSIT (Y o
Date	Time	Matrix	Sample Request ID	K 11/08/19 Container Type and # Mcott Kit	Preservative Type	HEALNO /7/1381	BTEX +-ME	BTEX + MTBE + TPH (Gas only)	TPH 80158 (GRO / DRO	TPH (Method 418.1)	EUB (Method 504.1) PAH (8310 or 82705)	RCRA 8 Metals	Anions (F,Cl,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Chloride (soil -		ab .	# pt. composite sa Air Bubbles (Y or N)
11/7/17	1350	SOIL	D e 4 (95)	402-1	Cool	-20	1		/								$\overline{\checkmark}$		V	# 4
11/-117	1405	JOIL	DC8'(95)	402-1	COOL	-02			\checkmark									ì	\square	
														•						
							T	T											T	
																			-	-
			·				-												+	
							-	-			+	-							+	
							+	-	\square		+	+	\vdash					-+	+	+
Date: ,	Time:	Relinquishe	gi by:	Received by:	L,	Date Time	Ren	nark	s:	BILL DI	RECTLY	TO BP	USING	G THE	CONT	ACT V	VITH C	ORRES	POND	ING VID
רו/ר/יו	154	90	lulf	Christ	a lalas	& 15Y	7 0	ONT			GARIF					ON				
Date:	Time:	Relinquishe	ed by:	Received by-	/]	Date Time 111 08/117			VID:	VHIX	ONEV	RM								
"11	1816	Lin	st halle	1 Cin	nA	~ 070C		feren		-	P - 902		to will	an els	orly +-	totad	on the	anché	cal ra-	ort
	If necessary,	samples sub	mitted to Hall Environmental may be su	peontracted to other		55. I his serves as notic	e or this	possi	Dinty. 1	ny sub	-contrac	teu dal	ua Will	De C161	any no	DBISK	un ine	analyli	Jai rep	on.

Client: Blagg Engineering Project: NEBU #37

				and the second
Sample ID MB-34889	SampType: mblk	TestCode: EPA Method	300.0: Anions	
Client ID: PBS	Batch ID: 34889	RunNo: 46970		
Prep Date: 11/8/2017	Analysis Date: 11/8/2017	SeqNo: 1499332	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			
Sample ID LCS-34889	SampType: Ics	TestCode: EPA Method	300.0: Anions	
Sample ID LCS-34889 Client ID: LCSS	SampType: Ics Batch ID: 34889	TestCode: EPA Method RunNo: 46970	300.0: Anions	
			300.0: Anions Units: mg/Kg	
Client ID: LCSS	Batch ID: 34889	RunNo: 46970 SeqNo: 1499333		RPDLimit Qual

Qualifiers:

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

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Client:Blagg EngineeringProject:NEBU #37

Sample ID LCS-34882	SampType: LCS TestCode: EPA Method						8015M/D: Die	esel Rang	e Organics	
Client ID: LCSS	Batch	Batch ID: 34882 RunNo: 46959								
Prep Date: 11/8/2017	Analysis D	ate: 1	11/8/2017 SeqNo: 1498202				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	88.4	73.2	114			
Surr: DNOP	4.0		5.000		79.8	70	130			
Sample ID MB-34882	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch	1D: 34	882	R	aunNo: 4	6959				
Prep Date: 11/8/2017	Analysis D	ate: 11	1/8/2017	S	eqNo: 1	498203	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Analyte Diesel Range Organics (DRO)	Result ND	PQL 10	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
			SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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- 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

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Client: Blagg Engineering **Project: NEBU #37**

Sample ID MB-34869	SampT	ype: ME	BLK	TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch	ID: 34	869	RunNo: 46964							
Prep Date: 11/7/2017	Analysis D	ate: 1'	1/8/2017	SeqNo: 1499080				Jnits: 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	1100		1 <mark>000</mark>		108	15	316				
Sample ID LCS-34869	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e		
Client ID: LCSS	Batch	ID: 34	869	F	RunNo: 4	6964					
Prep Date: 11/7/2017	Analysis D	ate: 11	1/8/2017	S	SeqNo: 1	499081	Units: mg/K	g			
							L Park L San H			~ .	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Analyte Gasoline Range Organics (GRO)	Result 29	PQL 5.0	SPK value 25.00	SPK Ref Val	%REC 115	LowLimit 75.9	HighLimit 131	%RPD	RPDLimit	Qual	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded Η
- 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
- Value above quantitation range Е
- 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

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client:Blagg EngineeringProject:NEBU #37

Sample ID MB-34869	SampT	Гуре: МЕ	BLK	Tes	tCode: E	PA Method					
Client ID: PBS	Batc	h ID: 34	869	F	RunNo: 4	6964					
Prep Date: 11/7/2017	Analysis D	Date: 11	1/8/2017	S	GeqNo: 1	499090	Units: mg/H	٢g			
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	1.1		1.000		107	80	120				
Sample ID LCS-34869	Samp1	fype: LC	s	Tes	tCode: E	EPA Method 8021B: Volatiles					
	D-4-1				RunNo: 4	~~~					
Client ID: LCSS	Batci	h ID: 34	869	r		3964					
Prep Date: 11/7/2017	Batch Analysis D				SeqNo: 1		Units: mg/k	(g			
			/8/2017				Units: mg/K HighLimit	(g %RPD	RPDLimit	Qual	
Prep Date: 11/7/2017	Analysis D	Date: 11	/8/2017	S	SeqNo: 1	499091	_	_	RPDLimit	Qual	
Prep Date: 11/7/2017 Analyte	Anatysis D Result	Date: 11 PQL	I/ 8/2017 SPK value	SPK Ref Val	SeqNo: 1 %REC	499091 LowLimit	HighLimit	_	RPDLimit	Qual	
Prep Date: 11/7/2017 Analyte Benzene Toluene	Analysis D Result 1.0	Date: 11 PQL 0.025	I/ 8/2017 SPK value 1.000	SPK Ref Val 0	SeqNo: 1 %REC 104	499091 LowLimit 77.3	HighLimit 128	_	RPDLimit	Qual	
Prep Date: 11/7/2017 Analyte Benzene	Analysis D Result 1.0 1.1	Date: 11 PQL 0.025 0.050	1/8/2017 SPK value 1.000 1.000	SPK Ref Val 0 0	SeqNo: 1 %REC 104 106	499091 LowLimit 77.3 79.2	HighLimit 128 125	_	RPDLimit	Qual	

Qualifiers:

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HALL ENVIRONMENTA ANALYSIS LABORATORY	AL.	Hall Environmental . Albu TEL: 505-345-3975 Website: www.hai	4901 querqu FAX: 5	Hawkins e, NM 87 05-345-41		Sample Log-In Check List				
Client Name: BLAGG		Work Order Number:	1711:	381		RcptNo:	1			
Received By: Anne Tho	rne 11	1/8/2017 7:00:00 AM			Anne He	~				
Completed By: Anne Tho Reviewed By:		1/8/2017 7:18:52 AM			Anne He	~				
Chain of Custody										
1. Custody seals intact on s	ample bottles?		Yes		No 🗌	Not Present				
2. Is Chain of Custody com	plete?		Yes	\checkmark	No 🗌	Not Present				
3. How was the sample deli	vered?		Cour	ier						
Log In										
4. Was an attempt made to	cool the samples?		Yes		No 🗌	NA 🗌				
5. Were all samples receive	d at a temperature of	>0° C to 6.0°C	Yes		No 🗌		,			
6. Sample(s) in proper cont	ainer(s)?		Yes		No 🗌					
7. Sufficient sample volume			Yes		No 🗌					
8. Are samples (except VOA	and ONG) properly p	preserved?	Yes		No 🗌	_				
9. Was preservative added to	to bottles?		Yes		No 🗹	NA 🗆				
10. VOA vials have zero head	ispace?		Yes		No 🗌	No VOA Vials				
11. Were any sample contain	ers received broken?		Yes		No 🗹	# of preserved bottles checked				
12. Does paperwork match be (Note discrepancies on ch			Yes		No 🗌	for pH:	r >12 unless noted)			
13. Are matrices correctly ide		stody?	Yes	\checkmark	No 🗌	Adjusted?	,			
14. Is it clear what analyses w			Yes		No 🗌					
15. Were all holding times ab (If no, notify customer for			Yes		No 🗌	Checked by:				
<u>Special Handling (if ap</u> 16. Was client notified of all d		andar2	Yes		No 🗆	NA 🗹				
	iscrepancies with this		Tes			NA 🗹	1			
Person Notified:		Date	-							
By Whom:		Via:	eMa		none 🗌 Fax	In Person				
Regarding: Client Instructions:					ann ann ann an Anna ann an Anna	and a subscription of the				
17. Additional remarks:							1			
18. <u>Cooler Information</u>	La multare									
Cooler No Temp °C 1 1.4	Condition Seal Good Yes	Intact Seal No S	eal Da	te	Signed By	-				

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