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

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

Form C-144 Revised April 3, 2017

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

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

Pit, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application
Proposed Alternative Method Permit or Closure Plan Application 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.
Operator: BP America Production Company OGRID #: 778
Address: 200 Energy Court, Farmington, NM 87401
Facility or well name: W H RIDDLE 004
API Number: 3004520971 OCD Permit Number:
API Number: 3004520971 OCD Permit Number: U/L or Qtr/Qtr L Section 24 Township 30N Range 10W County: San Juan
Center of Proposed Design: Latitude 36.79487 Longitude -107.84238 NAD83
Surface Owner: Federal State Private Tribal Trust or Indian Allotment
2.
Pit: 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 PVC Other
☐ String-Reinforced Liner Seams: ☐ Welded ☐ Factory ☐ Other Volume: bbl Dimensions: L x W x D
Linei Seanis. Weided Pactory Outer Volume. Doi Dimensions. L X W X D
Relative grands to the Subsection Left 10.15.17.11 NIMAC TANK A
Below-grade tank: Subsection 1 of 19.15.17.11 NMAC
Volume: 45 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 visible
Liner type: Thicknessmil
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.
5.
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 MAY 2 3 2018



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.	
9. Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptance are provided below. Siting criteria does not apply to drying pads or above-grade tanks.	ptable source
General siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank. - □ NM Office of the State Engineer - iWATERS database search; □ USGS; □ Data obtained from nearby wells	Yes No
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance 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. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
(estimation) of the proposed site, remaining mining	
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

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

Form C-144 Oil Conservation Division Page 3 of 6

Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the attached. Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Climatological Factors Assessment Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC Quality Control/Quality Assurance Construction and Installation Plan Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Nuisance or Hazardous Odors, including H ₂ S, Prevention Plan Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Erosion Control Plan Erosion Control Plan Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC	documents are
13. Proposed Closure: 19.15.17.13 NMAC	
Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan. Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Multi-well F Alternative Proposed Closure Method: Waste Excavation and Removal Waste Removal (Closed-loop systems only) On-site Closure Method (Only for temporary pits and closed-loop systems) In-place Burial On-site Trench Burial Alternative Closure Method	luid Management Pit
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be closure plan. Please indicate, by a check mark in the box, that the documents are attached. Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	
15.	
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable sour provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. In 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 ☐ NA
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	Yes No
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	

- Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No
Within a 100-year floodplain FEMA map	Yes No
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plants are check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17. Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19. 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 cann Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	.11 NMAC .15.17.11 NMAC
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 beling the complete to the complete to the best of my knowledge and beling the complete to the best of my knowledge and beling the complete to the complete to t	
Signature: Date:	
e-mail address:	
e-mail address: Telephone: Tolephone: OCD Approval: Permit Application (including closure pran) Closure Plan (only) OCD Conditions (see attachment) Approval Date: Title: OCD Permit Number:	23/18
18. OCD Approval: Permit Application (including closure pran) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date:	
18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Title: OCD Permit Number: OCD Permit Number: 19. Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not section of the form until an approved closure plan has been obtained and the closure activities have been completed.	t complete this

22. Operator Closure Certification:								
I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.								
Name (Print): Erin Garifalos	Title: Field Environmental Coordinator							
Signature:UTIN garifalos	Date: May 21, 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

W H RIDDLE 004

API No. 3004520971

Unit Letter L Section 24 T 30N R 10W

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

General Closure Plan

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

Notice is attached.

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

Notice was provided and is attached.

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

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

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

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

The BGT was transported for recycling.

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

All equipment associated with the BGT has been removed.

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

Constituents	Testing Method	Release Verification	Sample
	45 bbl BGT	(mg/Kg)	results
Benzene	US EPA Method SW-846 8021B or 8260B	10	< 0.020
Total BTEX	US EPA Method SW-846 8021B or 8260B	50	< 0.079
TPH	US EPA Method SW-846 418.1 or 8015 extended	100	<49
Chlorides	US EPA Method 300.0 or 4500B	620	<30

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

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

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

C-141 is attached.

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

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

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

Sampling results indicate a release has not occurred. 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 was backfilled and BGT location's surface condition is clear, but within the site's operational area. The location will be reclaimed once the well is plugged and abandoned.

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

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

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

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

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

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

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

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

16. BP shall certify that all information in the report and attachments is accurate, truthful, and compliant with all applicable closure requirements and conditions specified in the approved closure plan.

Certification section of C-144 has been completed.

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

State of New Mexico Energy Minerals and Natural Resources

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

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

			Rele	ase Notific	cation	and Co	rrective A	ctior	1			
						OPERA			☐ Initia	al Report		Final Report
				on Company			Garifalos	7040				
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			-	M:1.C			- Hatarar ac	20 110		2004500	071	
Surface Ow	ner: Fed	erai		Mineral C					APINO	3004520	1971	
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Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	5.5000000000	West Line	County	an.	Juan
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Type of Rele	ase:: none	9					Release:: unkno			Recovered:: N		
Source of Re	lease: belo	w grade ta	nk - 45 b	bl		Date and H	lour of Occurrenc	e:	n/a	Hour of Disco	overy:	
Was Immedi		Given?	***************************************			If YES, To	Whom?					
			Yes 🗸	No Not Re	equired							
By Whom? Was a Water	course Rea	ched?				Date and H	lour lume Impacting t	he Wat	ercourse			
Was a Water	course real		Yes 🗸	No		11 120, 10	rame impacting t	110 11 41	0100 01001			,
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Describe Car	ise of Probl	em and Remed	dial Action	Taken *								
Describe car	150 01 1 1001	om and reme	3141 7 1011011	Samı	0		beneath the			_		
					_		d for Chlorid					
					re sta	ındards. F	Field reports	and I	aborato	ry results	are	attached.
Describe Are	a Affected	and Cleanup A	Action Take	n.* No actio	n nec	essarv. F	inal laborate	orv ai	nalvsis d	determine	d no	
						n is requ		,	,			
							knowledge and u					
							nd perform correct arked as "Final Re					
should their	operations h	nave failed to a	dequately	investigate and r	emediate	e contaminati	on that pose a thre	eat to g	round water	, surface water	er, hur	nan health
		addition, NMC ws and/or regu		ance of a C-141	report d	oes not reliev	e the operator of	respons	ibility for co	ompliance wi	th any	other
rederal, state	, or local la	ws and/or regu	nations.		T		OIL CONS	SERV	ATION	DIVISIO	V	
X	oun a	wifale	4								_	
						Approved by	Environmental S	necialis	t:			
Printed Name	e: Erin C	arifalos				FF-0.34 0J						
Title: Field	d Envir	onmenta	l Coor	dinator		Approval Dat	e:		Expiration 1	Date:		
E-mail Addre	ess: erin.	garifalos	@bp.c	om		Conditions of	`Approval:			Attached		
Date: May	21, 2018	3	Phone:	(832) 609-70)48					Attached		

^{*} Attach Additional Sheets If Necessary

bp



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

March 23, 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: WH RIDDLE 004

API#: 3004520971

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 March 29, 2018. If there aren't any unforeseen problems, the work should be completed within 10 working days.

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

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

Sincerely,

Erin Garifalos

BP America Production Company

From: Buckley, Farrah (CH2M HILL)

. . .

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

Cc: jeffcblagg@aol.com; blagg_njv@yahoo.com; Garifalos, Erin

Subject: BP Pit Close Notification - WH RIDDLE 004

Date: Friday, March 23, 2018 12:22:49 PM

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

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

March 23, 2018

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

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

WH RIDDLE 004 API 30-045-20971 (L) Section 24 – T30N – R10W 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 45bbl BGT that will no longer be operational at this well site. We anticipate this work to start on or around March 29, 2018.

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

Sincerely,

Erin Garifalos

Field Environmental Coordinator - San Juan

Cell: 832-609-7048

* ; (*

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

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

CLIENT: BP	P.O. BOX 87, B	LOOMFIELD, NM		API #: 30045 TANK ID (if applicble):	20971 A
FIELD REPORT:	(circle one): BGT CONFIRMATION	/ RELEASE INVESTIGATION / OTH	HER:	PAGE #: 1	of 1
SITE INFORMATION		DATE STARTED: 0	3/28/18		
BP BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-11199 FIELD REPORT: SITE INFORMATION: SIENAME WH RIDDLE #4 OUADUAT L SEC 24 TAP 30N RNS 10W PM NM CATY SJ ST NM IM-14/4/FOOTAGE 1,650'S 800'W NW/SW LEASE TYPE [FEDERAL] STATE [FEE INDIAN LEASE & SF078200 PROD FORMATION PC CONTRECTOR \$7749'S X107.84229 REFERENCE POINT: WELLHEAD (WH) GPS COORD: 36,7949'X 107.84229 GPS COORD: 36,7948'X 107.84228 DEMANCERSHAPE FROMWE 45 BGT (SWIDB) GPS COORD: 36,7948'X 107.84229 GPS COORD: 10 GPS COORD: 1					
1/4 -1/4/FOOTAGE: 1,650'S / 80	O'W NW/SW LEASE	YPE: FEDERAL STATE / F	EE / INDIAN	ENVIRONMENTAL	
LEASE #: SF078200		CTDIVE			NJV
				CI ELEV:	6 2011
	(, , , , , , , , , , , , , , , , , , ,			00 5	-
					•
2)					
3)					
		AD LAD LICED.	DISTANCE/BEAL	RING FROM W.H	
		117122	904	IED/9024D/200 0 /CI\	(ppm)
	Maria de la companya			13B/802 1B/300.0 (CI)	INA
4) SAMPLE ID:	SAMPLE DATE:	SAMPLE TIME: U	AB ANALYSIS:		
5) SAMPLE ID:	SAMPLE DATE:	SAMPLE TIME: LA	AB ANALYSIS:		
SOIL COLOR: MODE COHESION (ALL OTHERS): NON COHESIVE SLIGHTL CONSISTENCY (NON COHESIVE SOILS): LO MOISTURE: DRY SLIGHTLY MOIST MOIST / W. SAMPLE TYPE: GRAB COMPOSITE #	RATE BROWN Y COHESIVE / COHESIVE / HIGHLY COHESIVE DOSE FIRM DENSE / VERY DENSE ET / SATURATED / SUPER SATURATED FOR PTS. 5	PLASTICITY (CLAYS): NON PLASTIC / DENSITY (COHESIVE CLAYS & SII HC ODOR DETECTED: YES NO EX	SLIGHTLY PLASTIC / CO LTS): SOFT / FIRM / S KPLANATION -	STIFF / VERY STIFF / HARD	
SITE OBSERVATION APPARENT EVIDENCE OF A RELEASE OBSERVE EQUIPMENT SET OVER RECLAIMED AREA:	LOST INTEGRITY OF EQUIPMENT OF AND/OR OCCURRED: YES NO EXPLANATION -	ANATION:			
EXCAVATION DIMENSION ESTIMATION:	NA ft. X NA	ft. X NA ft.	EXCAVATION EST	IMATION (Cubic Yards) :	NA
DEPTH TO GROUNDWATER: >100' N	EAREST WATER SOURCE: >1,000	NEAREST SURFACE WATER:	<1,000' NMOC	D TPH CLOSURE STD:	1,000 ppm
SITE SKETCH	BGT Located: off on sit	e PLOT PLAN circle:	: attached OVM	CALIB. READ. = NA	ppm pc=100
				: NA am/pm DATE:	ppm NA
			1		OIE2
	FENCE PBGTL T.B. ~5'		RI VI P. Pe	EF #: P-949 ID: VHIXONEV J #: ermit date(s): 03 CD Appr. date(s): 03 NM = Organic Vapo ppm = parts per milli	8/06/18 8/22/18 or Meter
			·		
		X	- S.P.D.		
NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATION T.B. = TANK BOTTOM; PBGTL = PREVIOUS BEL APPLICABLE OR NOT AVAILABLE; SW - SINGLI		POINT DESIGNATION; R.W. = RETAINING WA	III NII NIOT	BGT Sidewalls Visible: Yagnetic declination:	10°E
NOTES: GOOGLE FARTH IMAG	FRY DATE: 3/15/2015	ONGITE: 03/28/18	2		

revised: 11/26/13 BEI1005E-6.SKF

Analytical Report

Lab Order 1803F26

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/30/2018

CLIENT:Blagg EngineeringClient Sample ID: 5PC-TB @ 5 (45)Project:WH Riddle 4Collection Date: 3/28/2018 12:05:00 PMLab ID:1803F26-001Matrix: MEOH (SOIL)Received Date: 3/29/2018 7:05:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	ND	30	mg/Kg	20	3/29/2018 11:50:32 AM	37323
EPA METHOD 8015D MOD: GASOLINE	RANGE				Analyst	AG
Gasoline Range Organics (GRO)	ND	3.9	mg/Kg	1	3/29/2018 10:50:42 AM	G50182
Surr: BFB	114	70-130	%Rec	1	3/29/2018 10:50:42 AM	G50182
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS	;			Analyst	JME
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	3/29/2018 9:49:16 AM	37311
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	3/29/2018 9:49:16 AM	37311
Surr: DNOP	84.3	70-130	%Rec	1	3/29/2018 9:49:16 AM	37311
EPA METHOD 8260B: VOLATILES SHO	RT LIST				Analyst	AG
Benzene	ND	0.020	mg/Kg	1	3/29/2018 10:50:42 AM	S50182
Toluene	ND	0.039	mg/Kg	1	3/29/2018 10:50:42 AM	S50182
Ethylbenzene	ND	0.039	mg/Kg	1	3/29/2018 10:50:42 AM	S50182
Xylenes, Total	ND	0.079	mg/Kg	1	3/29/2018 10:50:42 AM	S50182
Surr: 4-Bromofluorobenzene	116	70-130	%Rec	1	3/29/2018 10:50:42 AM	S50182
Surr: Toluene-d8	91.4	70-130	%Rec	1	3/29/2018 10:50:42 AM	S50182

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

Qualifiers:

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

C	hain-c	of-Cus	stody Record	i um-Around	ime.	SAME					44		E	NI L	/TE	20	NI I	ME	NT	AI		
Client:	BLAG	G ENGR.	/ BP AMERICA	☐ Standard	☑ Rush _	DAY	-												ATC			
				Project Name													.com		416	JK		
Mailing A	ddress:	P.O. BO	X 87	-	WH RIDDLE	#4		40	Λ1 L								MW 8					
			FIELD, NM 87413	Project #:															9			
Phone #:		(505) 63						16	1.50	13-3	45-3				-	-345 ques	-410) /	75	T. at	977	400
email or F	ax#:	(505) 05	7E-1133	Project Manag	ner		1	4				_ ′	liai	yala	N.E.	Tu to s					- 1	
QA/QC Pa	ckage:		Level 4 (Full Validation)		ERIN GARII	FALOS	85 (8021B)	only)	MRO)			(5		(*05'*0	PCB's			er - 300.1)				
Accreditat				Sampler:	NELSON VE	LEZ	3 (80	Gas	30/	1	-	SIM		02,6	8082			wete			mple	
□ NELAF	2	□ Other	_	On Ice:	E Yes	□ No 927	1	PH	0/0	118	504.1)	3270		J3, N	-		F	0.00			Sal	(N IO
□ EDD (1	Гуре)			Sample Temp	erature: 0-	6	1	E+1	(GRC	po 7	po	01.8	tals	N.	cide	2	140)÷ 30		9	osite	N DI
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO.	BTEX ← MFB	BTEX + MTBE + TPH (Gas only)	TPH 80158 (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method	PAH (8310 or 82705IMS)	RCRA 8 Metals	Anions (F,Cl,NO3,NO2,PO4,SO4)	8081 Pesticides	8260B (VOA)	8270 (Semi-VOA)	Chlaride (soil - 300.0 / water-		Grab sample	5 pt. composite sample	Air Bubbles (Y
3/28/18	1205	SOIL	SPC - TB@ 5 (45)	4 oz 1	Cool	-001	٧		٧	_							-	٧	T	-	٧	_
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3/28/(8	Time:	Relinquish	her V	Received by:	while	Date Time 3/28/18/575		arks ONT/		& RE	FEREN	ICE #	WHE	N APP	LICA	in it married		VITH	CORRES	POND	ING !	VIE
Date:	Time	Relinquish	ed by:	Received by:	1	Date Time			VID:		KON	EV11										
128/18	18:0	40	istuliale	1 1 6		3 29 18 705		eren		_	_	949	_	711.1				10				_
	If necessa	My, samples a	submitted to Hall Environmental may be	subcontracted to other	accredited laboratorie	 This serves as notice of 	this p	ossibil	ity. Ar	ny sub	יייחסם-	acted	data v	will be	clearly	eton y	ec cu.	the ar	ia ytical	report.		

OC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1803F26

30-Mar-18

Client:

Blagg Engineering

Project:

WH Riddle 4

MB-37323 Sample ID

SampType: mblk

TestCode: EPA Method 300.0: Anions

Client ID:

PBS

Batch ID: 37323

PQL

RunNo: 50177

Analysis Date: 3/29/2018

SPK value SPK Ref Val %REC LowLimit

0

Prep Date: 3/29/2018

Result

SeqNo: 1626154

Units: mg/Kg HighLimit

RPDLimit Qual

Analyte Chloride

ND 1.5

Sample ID LCS-37323

SampType: Ics

TestCode: EPA Method 300.0: Anions

Client ID: **LCSS**

3/29/2018

Batch ID: 37323 Analysis Date: 3/29/2018

PQL

RunNo: 50177

SeqNo: 1626155

Units: mg/Kg

%RPD

%RPD

Qual

RPDLimit

Result

15.00

95.6

LowLimit

HighLimit

Analyte

14

1.5

%REC

Chloride

Prep Date:

SPK value SPK Ref Val

110

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit ND

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

В Analyte detected in the associated Method Blank

Value above quantitation range

Reporting Detection Limit

Analyte detected below quantitation limits

P Sample pH Not In Range

RL

Sample container temperature is out of limit as specified

Page 2 of 5

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1803F26

30-Mar-18

Client: Blagg Engineering
Project: WH Riddle 4

Sample ID MB-37311 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: PBS Batch ID: 37311 RunNo: 50179

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 84.7 70 130

Sample ID LCS-37311 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 50179 Client ID: LCSS Batch ID: 37311 Prep Date: 3/29/2018 Analysis Date: 3/29/2018 SeqNo: 1625119 Units: mg/Kg %RPD Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit **RPDLimit** Qual

 Diesel Range Organics (DRO)
 50
 10
 50.00
 0
 100
 70
 130

 Surr: DNOP
 3.7
 5.000
 74.0
 70
 130

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

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 5

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1803F26

30-Mar-18

Client: Blagg Engineering
Project: WH Riddle 4

Sample ID 100ng Ics	SampType:	LCS4	Test	tCode: E	PA Method	8260B: Volat	iles Short	List	
Client ID: BatchQC	Batch ID:	R50182	R	RunNo: 5	0182				
Prep Date:	Analysis Date:	3/29/2018	S	SeqNo: 1	625149	Units: %Red	С		
Analyte	Result PQ	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.46	0.5000		92.3	70	130			
Surr: Toluene-d8	0.48	0.5000		96.2	70	130			

Sample ID rb	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8260B: Volat	iles Short	List	
Client ID: PBS	Batch	1D: S5	0182	F	RunNo: 5	0182				
Prep Date:	Analysis D	ate: 3/	29/2018	5	SeqNo: 1	625153	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.52		0.5000		103	70	130			
Surr: Toluene-d8	0.48		0.5000		96.7	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

Page 4 of 5

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1803F26

30-Mar-18

Client:

Blagg Engineering

Project:

WH Riddle 4

Sample ID 2.5ug gro Ics	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015D Mod:	Gasoline l	Range	
Client ID: LCSS	Batch	ID: G5	0182	R	RunNo: 5	0182				
Prep Date:	Analysis D	ate: 3/	29/2018	S	SeqNo: 1	625146	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	99.4	70	130			
Surr: BFB	490		500.0		98.1	70	130			

Sample ID rb	SampTy	ре: МВ	LK	TestCode: EPA Method 8015D Mod: Gasoline Range						
Client ID: PBS	Batch I	D: G5 0	0182	R	unNo: 5	0182				
Prep Date:	Analysis Da	te: 3/2	29/2018	S	eqNo: 1	625147	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	510		500.0		102	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

Page 5 of 5



Hall Environmental Analysis Laborators 4901 Hawkins NL Albuquee que, NM 87/09 IEL 505-345-3975 FAX 505-345-4707 Website: www.ballenvieoamental.com

Sample Log-In Check List

Client Name: BLAGG	Work Order Nu	mber 1803F26		ReptNo): 1
Received By: Isalah O	rtiz 3/29/2018 7:05.0	0 AM	ICA		
Completed By: Isalah O	rtiz 3/29/2018 7:31 1	0 AM	ION		
Reviewed By: AC LB: ENH Chain of Custody					
1 is Chain of Custody com	plete?	Yes 🗸	No	Not Present	
2. How was the sample del		Courier			
Log In 3. Was an attempt made to	cool the samples?	Yes 🗹	No 🗌	NA 🗔	
4. Were all samples receive	d at a temperature of >0° C to 6.0°C	Yes 🗹	No 🗆	NA 🗆	
5. Sample(s) in proper conti	ainer(s)?	Yes 🗸	No 🗌		
6, Sufficient sample volume	for indicated test(s)?	Yes 🔽	No 🗌		
Are samples (except VOA)	and ONG) properly preserved?	Yes 🗸	No 🗌		
B Was preservative added to	o bottles?	Yes _	No Y	NA [
9. VOA vials have zero head		Yes 🗌	No 🗆 N	lo VOA Vials 🗹	,
10. Were any sample contain	ers received broken?	Yes		of preserved ottles checked	
 Does paperwork match be (Note discrepancies on ch 		Yes 🗹	1.00	Ha 10 (<2 a)	>15 unless noted)
12. Are matrices correctly idea	ntified on Chain of Custody?	Yes V	No 🗆	Adjusted2	
3. Is it clear what analyses w	ere requested?	Yes 🗹	No		
14. Were all holding times acl		Yes 🗸	No 🗌	Checked by	
(If no, notify customer for Special Handling (if ap				ENH	3/9/18
15 Was client notified of all d	iscrepancies with this order?	Yes 🗌	No 🗍	NA (x)	
Person Notified:	Date	9:			
By Whom:	Via:		one Fax	In Person	
Regarding:					
Client Instructions:		1			
16 Additional remarks:					
17. Cooler Information Cooler No Temp °C	Condition Seal Intact Seal No Good Yes	Seal Date S	igned By		



