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 June 6, 2013

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 13665 Type of action: Below grade tank registration Permit of a pit or proposed alternative method 45-31212 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: Burlington Resources Oil & Gas Company, LP OGRID #: 14538 OIL CONS. DIV DIST. 3 Address: PO BOX 4289, Farmington, NM 87499 Facility or well name: ALLISON UNIT 113S DEC 1 0 2015 API Number: 30-045-31212 OCD Permit Number: U/L or Qtr/Qtr F Section 19 Township 32 N Range 6 W County: San Juan Center of Proposed Design: Latitude 36.967660 °N Longitude -107.501610 °W NAD: □1927 ⋈ 1983 Surface Owner: ☐ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment 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 ☐ HDPE ☐ PVC ☐ Other String-Reinforced bbl Dimensions: L x W x D Liner Seams: Welded Factory Other Below-grade tank: Subsection I of 19.15.17.11 NMAC Volume: 120 bbl Type of fluid: Produced Water Tank Construction material: Metal ☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off ☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other mil ☐ HDPE ☐ PVC ☒ Other UNSPECIFIED Liner type: Thickness Alternative Method:

Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks) Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution or church) Four foot height, four strands of barbed wire evenly spaced between one and four feet Alternate. Please specify

Form C-144

Oil Conservation Division

Page 1 of 6

6.	
Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)	
Screen Netting Other	
☐ Monthly inspections (If netting or screening is not physically feasible)	
7.	
Signs: Subsection C of 19.15.17.11 NMAC	
12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers	
☐ Signed in compliance with 19.15.16.8 NMAC	
8. 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. <u>Siting Criteria (regarding permitting)</u> : 19.15.17.10 NMAC <i>Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of accematerial are provided below.</i> 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 ☐ 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

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							
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							
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 doc 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 Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.12 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 19.1 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						
Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the doc attached. Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC A List of wells with approved application for permit to drill associated with the pit. Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19. and 19.15.17.13 NMAC Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC	15.17.9 NMAC						
Previously Approved Design (attach copy of design) API Number: or Permit Number:							

Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the	documents are					
### Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B 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 H2S, Prevention Plan Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Erosion Control Plan Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC 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	luid Management Pit					
☐ 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	-					
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 □ Site Reclamation 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 south 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					
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells Yes No NA NA						
Fround 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 NA						
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa ake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site						
Vithin 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						
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	☐ Yes ☐ No					
Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No					
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No					
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance						

adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written appropriate to the section of the municipality.	oval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine Written confirmation or verification or map from the NM EMNRD-Mini	ng and Mineral Division	☐ Yes ☐ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geold Society; Topographic map	ogy & Mineral Resources; USGS; NM Geological	☐ 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 by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements Construction/Design Plan of Burial Trench (if applicable) based upon the Construction/Design Plan of Temporary Pit (for in-place burial of a drying Protocols and Procedures - based upon the appropriate requirements of 19. Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Disposal Facility Name and Permit Number (for liquids, drilling fluids and Soil Cover Design - based upon the appropriate requirements of Subsection Re-vegetation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsections.	equirements of 19.15.17.10 NMAC of Subsection E of 19.15.17.13 NMAC appropriate requirements of Subsection K of 19.15.17. pad) - based upon the appropriate requirements of 19. 15.17.13 NMAC equirements of 19.15.17.13 NMAC of 19.15.17.13 NMAC drill cuttings or in case on-site closure standards cann n H of 19.15.17.13 NMAC on 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, accur Name (Print):		
Signature:	Date:	
e-mail address:		
OCD Approval: ☐ Permit Application (including closure plan) ☐ Closure P OCD Representative Signature: Title Wimmertal ☐ Closure P	OCD Permit Number:	3/2015
Closure Report (required within 60 days of closure completion): 19.15.17.13 Instructions: Operators are required to obtain an approved closure plan prior The closure report is required to be submitted to the division within 60 days of section of the form until an approved closure plan has been obtained and the co	to implementing any closure activities and submitting the completion of the closure activities. Please do not losure activities have been completed.	
	☐ Closure Completion Date: 3/27/15	
Closure Method:		
 ✓ Waste Excavation and Removal ☐ On-Site Closure Method ☐ Altern ☐ If different from approved plan, please explain. 	ative Closure Method Waste Removal (Closed-lo	oop systems only)

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 an	d conditions specified in the approved closure plan.
Name (Print): Kelly G. Roberts Title: Regulatory Technician	
Signature: Conf. Roth	Date: 12/9/15
Signature:	Date: 129(15
e-mail address: Kelly.Roberts@cop.com Telephone: (505) 326-9775	

Burlington Resources Oil & Gas Company, LP San Juan Basin Below Grade Tank Closure Report

Lease Name: ALLISON UNIT 113S

API No.: 30-045-31212

In accordance with Rule 19.15.17.13 NMAC the following information describes the closure of the below-grade tank

referenced above. All proper documentation regarding closure activities is being included with the C-144.

General Plan:

1. BR shall close a below-grade tank within 60 days of cessation of operations per Subsection G.4 of 19.15.17.13 NMAC. This will include a) below-grade tanks that do 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, if not retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC; b) an earlier date that the division requires because of imminent danger to fresh water, public health or the environment. For any closure, BR will file the C144 Closure Report as required.

The below-grade tank referenced above was permitted and closed within 60 days of cessation of the below-grade tanks operation.

2. BR shall remove liquids and sludge from a below-grade tank prior to implementing a closure method and shall dispose of the liquids and sludge in a division-approved facility. The facilities to be used will be Basin Disposal (Permit #NM-01-005), JFJ Landfarm % Industrial Ecosystem Inc. (Permit # NM-01-0010B) and Envirotech Land Farm (Permit #NM-01-011). The liner after being cleaned well (Subsection D, Paragraph 1, Subparagraph (m) of 19.15.9.712 NMAC) will be disposed of at the San Juan County Regional Landfill located on CR 3100.

All recovered liquids were disposed of at Basin Disposal (Permit #NM-01-005) and any sludge or soil required to be removed to facilitate closure was hauled to Envirotech Land Farm (Permit #NM-01-011) and JFJ Landfarm % IEI (Permit #NM-01-0010B). The liner was cleaned per Subsection D, Paragraph 1, Subparagraph (m) of 19.15.9.712 NMAC was disposed of at the San Juan County Regional Landfill located on CR 3100.

3. BR will receive prior approval to remove the below-grade tank and dispose of it in a division-approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office approves.

The below-grade tank was disposed of in a division-approved manner.

4. If there is any on-site equipment associated with a below-grade tank, then BR shall remove the equipment, unless the equipment is required for some other purpose.

All on-site equipment associated with the below-grade tank was removed.

5. BR will test the soils beneath the below-grade tank to determine whether a release has occurred. BR shall collect, at a minimum, a five point, composite sample; collect individual grab samples from any area that is wet, discolored or showing other evidence of a release; and analyzed for the constituents listed in Table I of 19.15.17.13 NMAC. COPC shall notify the division of its results on form C-141.

A five point composite sample was taken of the below-grade tank using sampling tools and all samples tested per Subsection B of 19.15.17.1 3(B)(1)(b). (Sample results attached). Form C-141 is attached.

Components	Tests Method	Limit (mg/kg)
Benzene	EPA SW-846 8021B or 8260B	0.2
BTEX	EPA SW-846 8021B or 8260B	50
TPH	EPA SW-846 418.1	100
Chlorides	EPA 300.0	250

6. If BR or the division determines that a release has occurred, then BR shall comply with 19.15.3.116 NMAC and 19.15.1.19 NMAC, as appropriate.

A release was not determined for the above referenced well.

7. If the sampling program demonstrates that a release has not occurred or that any release does not exceed the concentrations specified in Table I of 19.15.17.13 NMAC, then BR shall backfill the excavation with compacted, non-waste containing, earthen material; construct a division-prescribed soil cover; recontour and re-vegetate the site.

The below-grade tank area passed all requirements of Paragraph (4) of Subsection E of 19.15.17.13 NMAC and was backfilled with compacted, non-waste containing, earthen material.

- 8. Notice of Closure will be given prior to closure to the Aztec Division office between 72 hours and one week via email or verbally. The notification of closure will include the following:
 - i. Operator's name
 - ii. Location by Unit Letter, Section, Township, and Range. Well name and API number.

Notification is attached.

9. The surface owner shall be notified of BR's closing of the below-grade tank 72 hours, but not more than one week, prior to closure as per the approved closure plan via certified mail, return receipt requested.

The closure process notification to the landowner was sent via certified mail. (See Attached)

10. Re-contouring of location will match fit, shape, line, form and texture of the surrounding. Re-shaping will include drainage control, prevent ponding, and prevent erosion. Natural drainages will be unimpeded and water bars and/or silt traps will be place in areas where needed to prevent erosion on a large scale. Final re-contour shall have a uniform appearance with smooth surface, fitting the natural landscape.

The below-grade tank area was re-contoured to match fit, shape, line, form and texture of the surrounding area. Re-shaping including drainage control, to prevent ponding and erosion. Natural drainages were unimpeded and water bars and/or silt traps were placed in areas where needed to prevent erosion on a large scale. Final recontour has a uniform appearance with smooth surface, fitting the natural landscape.

11. BR shall seed the disturbed areas the first favorable growing season following closure of a below-grade tank. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM stipulated seed mixes will used on federally regulated lands and division-approved seed mixtures (administratively approved if required) will be utilized on all State or private lands. A uniform vegetative cover has been established that reflects a life-form ratio of plus or minus fifty percent (50%) of pre- disturbance levels and a total percent plant cover of at least seventy percent (70%) of pre-disturbance levels, excluding noxious weeds. If alternate seed mix is required by the state, private owner or tribe, it will be implemented with administrative approval if needed. COPC will repeat seeding or planting will be continued until successful vegetative growth occurs.

Provision 13 was accomplished through complying with BLM seeding requirements as allowed by the BLM/OCD MOU.

12. A minimum of four feet of cover shall be achieved and the cover shall include one foot of suitable material, with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, to establish vegetation at the site, or the background thickness of topsoil, whichever is greater.

The below-grade tank area was backfilled and more than four feet of cover was achieved and the cover included one foot of suitable material to establish vegetation at the site.

- 13. All closure activities will include proper documentation and be available for review upon request and will be submitted to OCD within 60 days of closure of the below-grade tank. Closure report will be filed on C-144 and incorporate the following:
 - Soil Backfilling and Cover Installation (See Report)
 - Re-vegetation application rates and seeding techniques (See Report)
 - Photo documentation of the site reclamation (Included as an attachment)
 - Confirmation Sampling Results (Included as an attachment)
 - Proof of closure notice (Included as an attachment)

From:

Journey, Denise D

To: Subject: <u>Powell, Brandon, EMNRD; Kelly, Jonathan, EMNRD</u> Allison Unit 113S - 72 Hr. Notification BGT Removal

Date:

Monday, March 24, 2014 7:47:00 AM

Subject: 72 HOUR NOTIFICATION - BGT REMOVAL for P&A

The subject well has a below-grade tank that will begin the closure process between 72 hours and one week from this notification. Please contact me at any time if you have any questions or concerns.

Well Name:

Allison Unit 113S

API#:

30-045-31212

Location:

UL"F", Section 19, T32N, R6W

Footages:

1920' FNL & 1960' FWL

Operator:

Burlington Resources

Surface Owner: FEE

Denise Journey

Regulatory Technician

ConocoPhillips Company

505-326-9556

Denise.Journey@conocophillips.com



Juanita Farrell
Senior Associate
Real Estate & Facility Services
Property Tax, Real Estate, ROW & Claims (PTRRC)

ConocoPhillips Company 3401 E. 30th Street PO Box 4289 Farmington, NM 87499-1429 (505) 326-9597 (505) 324-6136

VIA CERTIFIED MAIL – RETURN RECEIPT REQUESTED 71791000164207326198

March 24, 2014

OLD AND BOLD LLC PO Box 190 Aztec, NM 87410

Re: Allison Unit 113S

NW Section 19, T32N, R6W San Juan County, New Mexico

Dear Landowner:

Pursuant to New Mexico Administrative Code § 19.15.17.13(J) (1) operator shall provide the surface owner of the operator's proposal to close a below- grade tank. In compliance with this requirement, please consider this letter as notification that ConocoPhillips intends to close a below-grade tank on the subject well pad.

If you have any questions, please contact the PTRRC department at (505) 324-6111.

Sincerely,

Juanita Farrell

Juanita Farrell

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

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011 Submit 1 Copy to appropriate District Office to accordance with 19.15.29 NMAC.

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

			Rele	ease Notific	catio	n and Co	orrective A	ction		
						OPERA'	ГOR		Initia	al Report Final Repor
						Contact Crystal Walker				
							No.(505) 326-98	337		
Facility Na	Facility Name: Allison Unit 113S						e: Gas Well			4.1
Surface Ow	vner Fee			Mineral (Owner l	Fee		AP	I No	.30-085-31212
				LOCA	ATIO	N OF RE	LEASE			
Unit Letter	Section	Township	Range	Feet from the	North	/South Line	Feet from the	East/West L	ine	County
						Longitud	e <u>-107.50161</u> EASE			
Type of Rele	ease					Volume of		Volu	me F	Recovered
Source of Re						Date and H	Hour of Occurrence			Hour of Discovery
Was Immedi	iata Nation (Timen?				If VEC T	Whom?			
Was Immedi	iale Notice (Yes [No Not R	equired	If YES, To	whom?			
By Whom?						Date and I				
Was a Water	course Read		Yes 🛛 1	No		If YES, Vo	olume Impacting	the Watercours	se.	
No release v	vas encount	em and Reme ered during	the BGT	Closure.						
Describe Are N/A	ea Affected	and Cleanup A	Action Tak	cen.*						
regulations a public health should their or the enviro	all operators or the environment. In a	are required to ronment. The have failed to a	o report are acceptant adequately OCD accept	nd/or file certain in the of a C-141 report investigate and in	release rort by the remediate	otifications a e NMOCD m te contaminati	nd perform correct larked as "Final Right from that pose a thing the the operator of	etive actions for leport" does no reat to ground responsibility	or rele t reli water for co	suant to NMOCD rules and eases which may endanger ieve the operator of liability r, surface water, human health ompliance with any other
Signature: Zaly G. Path					OIL CONSERVATION DIVISION			DIVISION		
Printed Nam	e: Kelly G.	Roberts				Approved by	Environmental S	pecialist:		
Title: Regul	latory Tech	nician				Approval Da	te:	Expira	tion 1	Date:
E-mail Addr	ess: Kelly	.Roberts@co	p.com			Conditions of	f Approval:			Attached
Date: 12/9/1		Phone: (50 ets If Necess		775						



April 14, 2014

Lisa Hunter ConocoPhillips San Juan Business Unit Office 214-04 5525 Hwy 64 Farmington, New Mexico 87401 www.animasenvironmental.com

624 E. Comanche Farmington, NM 87401 505-564-2281

> Durango, Colorado 970-403-3084

Via electronic mail to: SJBUE-Team@ConocoPhillips.com

RE: **Below Grade Tank Closure Report**

Allison #113S

San Juan County, New Mexico

Dear Ms. Hunter:

Animas Environmental Services, LLC (AES) is pleased to provide the final report associated with the below grade tank (BGT) closure at ConocoPhillips (CoP) Allison #113S, located in San Juan County, New Mexico. Tank removal had been completed by CoP contractors prior to AES' arrival at the location.

1.0 Site Information

1.1 Location

Site Name - Allison #113S Legal Description - SE¼ NW¼, Section 19, T32N, R6W, San Juan County, New Mexico Well Latitude/Longitude - N36.96769 and W107.50253, respectively BGT Latitude/Longitude - N36.96767 and W107.50227, respectively Land Jurisdiction - Private Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Map, March 2014

1.2 **NMOCD Ranking**

In accordance with the New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills, and Releases (August 1993), the location was given a ranking score of 10 based on the following factors:

- Depth to Groundwater: Based on elevation, topographic interpretation and visual reconnaissance, depth to groundwater is interpreted to be greater than 100 feet below ground surface (bgs). (0 points)
- Wellhead Protection Area: The tank location is not within a wellhead protection area. (0 points)
- Distance to Surface Water Body: The wash in Cottonwood Canyon is located approximately 280 feet west of the location. (10 points)

1.3 BGT Closure Assessment

AES was initially contacted by Steve Welch, CoP representative, on March 26, 2014, and on March 27, 2014, David Reese and Emilee Skyles of AES mobilized to the location. AES personnel collected six soil samples from below the BGT liner. Four samples were collected from the perimeter of the BGT footprint, one sample was collected from the center of the BGT footprint, and one sample was composited from the four perimeter samples and one center sample.

2.0 Soil Sampling

On March 27, 2014, AES personnel collected five soil samples (S-1 through S-5) and one 5-point composite (SC-1) from below the BGT. Soil samples were collected from approximately 0.5 feet below the former BGT for field screening of volatile organic compounds (VOCs) and analysis of total petroleum hydrocarbons (TPH). Soil sample SC-1 was field screened for VOCs and chloride and was submitted for confirmation laboratory analysis. Soil sample locations are included on Figure 2.

2.1 Field Sampling

2.1.1 Volatile Organic Compounds

A portion of each sample was utilized for field screening of VOC vapors with a photoionization detector (PID) organic vapor meter (OVM). Before beginning field screening, the PID-OVM was first calibrated with 100 parts per million (ppm) isobutylene gas.

2.1.2 Total Petroleum Hydrocarbons

Soil samples were also analyzed in the field for TPH per U.S. Environmental Protection Agency (USEPA) Method 418.1 using a Buck Scientific Model HC-404 Total Hydrocarbon Analyzer Infrared Spectrometer (Buck). A 3-point calibration was completed prior to conducting soil analyses. Field analytical protocol followed AES's Standard Operating Procedure: Field Analysis Total Petroleum Hydrocarbons per EPA Method 418.1.

2.1.3 Chlorides

Soil sample SC-1 was field screened for chlorides using Chloride Drop Count Titration with silver nitrate. Sampling and analysis methods followed procedures provided by Hach Company.

2.2 Laboratory Analyses

The composite soil sample SC-1 collected for laboratory analysis was placed into a new, clean, laboratory-supplied container, which was then labeled, placed on ice, and logged onto a sample chain of custody record. The sample was maintained on ice until delivery to the analytical laboratory, Hall Environmental Analysis Laboratory (Hall), in Albuquerque, New Mexico. Soil sample SC-1 was laboratory analyzed for:

- Benzene, toluene, ethylbenzene, and xylene (BTEX) per USEPA Method 8021B;
 and
- Chloride per USEPA Method 300.0.

2.3 Field and Laboratory Analytical Results

Field screening readings for VOCs via OVM were all measured at 0.0 ppm. Field TPH concentrations ranged from 28.7 mg/kg in S-1 up to 44.1 mg/kg in S-4. The field chloride concentration in SC-1 was 60 mg/kg. Field sampling results are summarized in Table 1 and presented on Figure 2. The AES Field Sampling Report is attached.

Table 1. Soil Field Sampling VOCs, TPH, and Chloride Results
Allison #113S BGT Closure, March 2014

Sample ID	Date Sampled	Depth below BGT (ft)	VOCs OVM Reading (ppm)	TPH 418.1 (mg/kg)	Field Chlorides (mg/kg)
NMOCD Action L	evel (NMAC 19.	.15.17.13E)		100	250
S-1	3/27/14	0.5	0.0	28.7	NA
S-2	3/27/14	0.5	0.0	29.9	NA
S-3	3/27/14	0.5	0.0	41.7	NA
S-4	3/27/14	0.5	0.0	44.1	NA
S-5	3/27/14	0.5	0.0	37.0	NA
SC-1	3/27/14	0.5	0.0	NA	60

NA - not analyzed

Laboratory analytical results reported benzene and total BTEX concentrations in SC-1 as less than 0.050 mg/kg and 0.25 mg/kg, respectively. The laboratory chloride concentration was reported below the laboratory detection limit of 30 mg/kg. Laboratory analytical results are summarized in Table 2 and included on Figure 2. The laboratory analytical report is attached.

Table 2. Soil Laboratory Analytical Results
Allison #113S BGT Closure, March 2014

Sample ID	Date Sampled	Depth (ft)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH- GRO (mg/kg)	TPH- DRO (mg/kg)	Chlorides (mg/kg)
	NMOCD Ac (NMAC 19.1		0.2	50	1	00	250
SC-1	3/27/14	0.5	<0.040	<0.199	NA	NA	<30

NA - not analyzed

3.0 Conclusions and Recommendations

NMOCD action levels for BGT closures are specified in New Mexico Administrative Code (NMAC) 19.15.17.13E. Field TPH concentrations were below the NMOCD action level of 100 mg/kg, with the highest concentration reported in S-4 with 44.1 mg/kg. Benzene and total BTEX concentrations in SC-1 were below the NMOCD action levels of 0.2 mg/kg and 50 mg/kg, respectively. Chloride concentrations in SC-1 were below the NMOCD action level of 250 mg/kg. Based on field and laboratory analytical results for benzene, total BTEX, TPH, and chlorides, no further work is recommended at Allison #113S.

If you have any questions about this report or site conditions, please do not hesitate to contact Deborah Watson at (505) 564-2281.

Sincerely,

Emilee Skyles

Sinh ShL

Staff Geologist

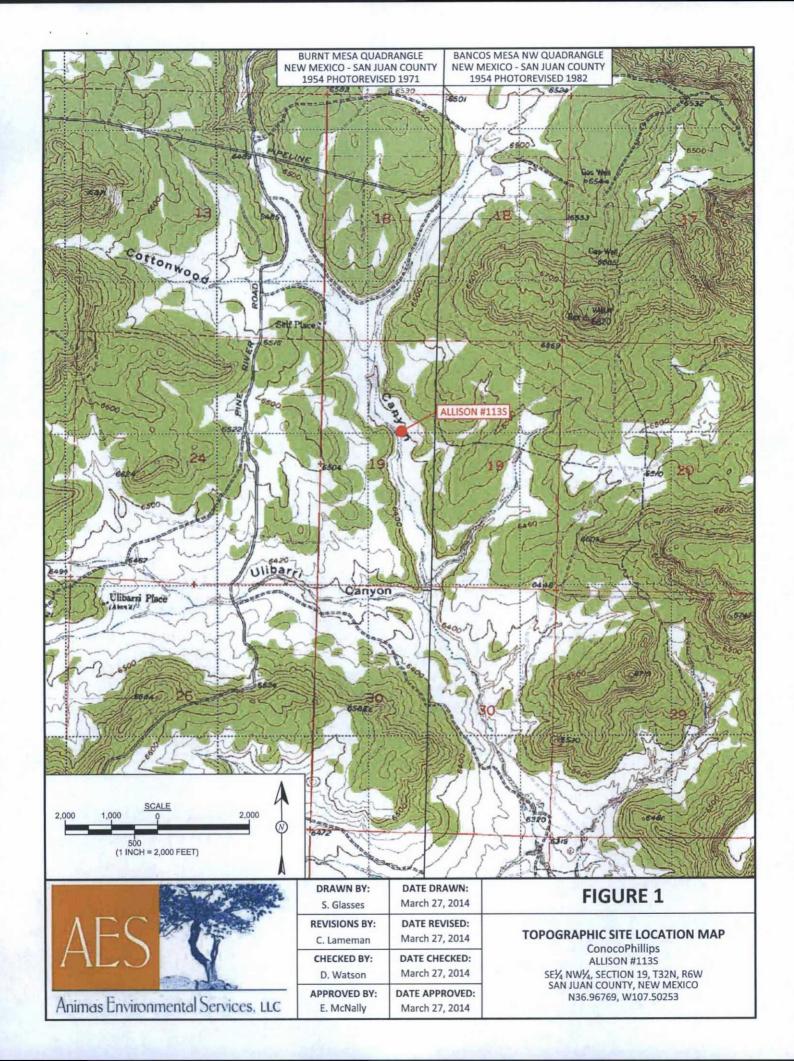
Lisa Hunter Allison #113S BGT Closure Report April 14, 2014 Page 5 of 5

Elizabeth V MeNelly

Elizabeth McNally, P.E.

Attachments:

Figure 1. Topographic Site Location Map Figure 2. Aerial Site Map, March 2014 AES Field Sampling Report 032714 Hall Analytical Report 1403B84





SAMPLE LOCATIONS

Field Sampling Results						
Sample ID	Date	OVM- PID (ppm)	TPH (mg/kg)	Chlorides (mg/kg)		
NMOCD AC	TION LEVEL	-	100	250		
S-1	3/27/14	0.0	28.7	NA		
S-2	3/27/14	0.0	29.9	NA		
S-3	3/27/14	0.0	41.7	NA		
5-4	3/27/14	0.0	44.1	NA		
S-5	3/27/14	0.0	37.0	NA		
SC-1	3/27/14	0.0	NA	60		

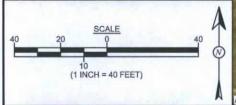
SC-1 IS A 5-POINT COMPOSITE SAMPLE OF S-1 THROUGH S-5. NA - NOT ANALYZED

		Laborato	ry Analytica	al Results		
Sample ID	Date	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)	Chlorides (mg/kg)
NMOCD ACT	ION LEVEL	0.2	50	10	00	250
SC-1	3/27/14	<0.040	<0.199	NA	NA	<30

SAMPLE WAS ANALYZED PER EPA METHOD 8021B AND 300.0.







AERIAL SOURCE: © 2013 PICTOMETRY INTERNATIONAL CORP. ONLINE, AERIAL DATE: APRIL 6, 2009



1	DRAWN BY:	DATE DRAWN:
	S. Glasses	March 27, 2014
	REVISIONS BY:	DATE REVISED:
	C. Lameman	March 27, 2014
	CHECKED BY:	DATE CHECKED:
	D. Watson	March 27, 2014
Ī	APPROVED BY:	DATE APPROVED:
	E. McNally	March 27, 2014
-		

AERIAL SITE MAP BELOW GRADE TANK CLOSURE MARCH 2014 ConocoPhillips

ALLISON #113S
SE¼ NW¼, SECTION 19, T32N, R6W
SAN JUAN COUNTY, NEW MEXICO
N36.96769, W107.50253

AES Field Sampling Report

Client: ConocoPhillips

Project Location: Allison #113S

Date: 3/27/2014

Matrix: Soil



www.animasenvironmental.com

624 E. Comanche Farmington, NM 87401 505-564-2281

> Durango, Colorado 970-403-3084

Sample ID	Collection Date	Time of Sample Collection	Sample Location	OVM (ppm)	Field Chloride (mg/kg)	TPH Analysis Time	TPH* (mg/kg)	TPH PQL (mg/kg)	DF	TPH Analysts Initials						
S-1 3/27/2014		11:53	North	0.0	NA	12:27	28.7	20.0	1	EMS						
S-2	3/27/2014	11:55	South	0.0	NA	12:33	29.9	20.0	1	EMS						
S-3	3/27/2014	11:57	East	0.0	NA	12:35	41.7	20.0	1	EMS						
S-4	3/27/2014	11:59	West	0.0	NA	12:37	44.1	20.0	1	EMS						
S-5	3/27/2014	12:01	Center	0.0	NA	12:40	37.0	20.0	1	EMS						
SC-1	3/27/2014	12:05	Composite	0.0	60	Not Analyzed for TPH										

DF Dilution Factor

NA Not Analyzed

ND Not Detected at the Reporting Limit

PQL Practical Quantitation Limit

* TPH concentrations recorded may be below PQL.

Field Chloride - Quantab Chloride Titrators or Drop Count

Titration with Silver Nitrate

Total Petroleum Hydrocarbons - USEPA Method 418.1

Analyst: Such ShL



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

April 01, 2014

Debbie Watson Animas Environmental 624 East Comanche Farmington, NM 87401 TEL: (505) 486-4071

FAX

RE: CoP Allison 113S

OrderNo.: 1403B84

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/28/2014 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 1403B84

Collection Date: 3/27/2014 12:05:00 PM

Date Reported: 4/1/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

ronmental Client Sample ID: SC-1

Project: CoP Allison 113S Lab ID: 1403B84-001

Matrix: MEOH (SOIL) Received Date: 3/28/2014 10:00:00 AM

Analyses	Result RL Qual Unit		al Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES					Analy	st: NSB
Benzene	ND	0.040	mg/Kg	1	3/28/2014 10:44:04 A	M R17646
Toluene	ND	0.040	mg/Kg	1	3/28/2014 10:44:04 A	M R17646
Ethylbenzene	ND	0.040	mg/Kg	1	3/28/2014 10:44:04 A	M R17646
Xylenes, Total	ND	0.079	mg/Kg	1	3/28/2014 10:44:04 A	M R17646
Surr: 4-Bromofluorobenzene	84.5	80-120	%REC	1	3/28/2014 10:44:04 A	M R17646
EPA METHOD 300.0: ANIONS					Analy	st: JRR
Chloride	ND	30	mg/Kg	20	3/28/2014 11:22:50 A	M 12426

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 1 of 3

- P Sample pH greater than 2.
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1403B84

01-Apr-14

Client:

Animas Environmental

Project:

CoP Allison 113S

Sample ID MB-12426

SampType: MBLK

TestCode: EPA Method 300.0: Anions

LowLimit

Client ID:

Batch ID: 12426

PQL

RunNo: 17682

Analyte

Prep Date: 3/28/2014

Analysis Date: 3/28/2014

SeqNo: 509082

Units: mg/Kg HighLimit

%RPD **RPDLimit**

Qual

Chloride

Result ND

1.5

TestCode: EPA Method 300.0: Anions

Sample ID LCS-12426

SampType: LCS

Client ID: LCSS Prep Date:

Batch ID: 12426

RunNo: 17682 SegNo: 509083

Units: mg/Kg

110

Analyte

Analysis Date: 3/28/2014 Result PQL

SPK value SPK Ref Val %REC

LowLimit HighLimit **RPDLimit**

Qual

Chloride

1.5 15.00 0 91.8 90

%RPD

Sample ID 1403B02-001AMS

3/28/2014

SampType: MS

14

TestCode: EPA Method 300.0: Anions

RunNo: 17682

Н

Prep Date:

Client ID:

BatchQC 3/28/2014

Batch ID: 12426

Result

17

Analysis Date: 3/28/2014

1.5

SegNo: 509096

2.774

2.774

SPK value SPK Ref Val

SPK value SPK Ref Val

SPK value SPK Ref Val %REC

%REC LowLimit Units: mg/Kg HighLimit

115

115

RPDLimit

Qual

Analyte Chloride

Client ID:

Prep Date:

Sample ID 1403B02-001AMSD

SampType: MSD

TestCode: EPA Method 300.0: Anions

RunNo: 17682

94 9

71.3

71.3

%RPD

Qual

Analyte Chloride

3/28/2014

BatchQC

Batch ID: 12426 Analysis Date: 3/28/2014 POL

1.5

15.00

15.00

SegNo: 509097

%REC

95.1

LowLimit

Units: mg/Kg HighLimit

%RPD 0.256

RPDLimit 20

H

Qualifiers:

S

Value exceeds Maximum Contaminant Level.

Spike Recovery outside accepted recovery limits

Value above quantitation range E

Analyte detected below quantitation limits J

0 RSD is greater than RSDlimit

R RPD outside accepted recovery limits B Analyte detected in the associated Method Blank

Holding times for preparation or analysis exceeded H

Not Detected at the Reporting Limit

P Sample pH greater than 2. Reporting Detection Limit

Page 2 of 3

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1403B84

01-Apr-14

Client: Animas Environmental
Project: CoP Allison 113S

TestCode: EPA Method 8021B: Volatiles Sample ID 5ML RB SampType: MBLK Client ID: Batch ID: R17646 RunNo: 17646 Prep Date: Analysis Date: 3/28/2014 SeqNo: 508827 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual ND 0.050 Benzene ND 0.050 Toluene ND 0.050 Ethylbenzene ND 0.10 Xylenes, Total 91.0 Surr: 4-Bromofluorobenzene 0.91 1.000 80 120

Sample ID 100NG BTEX LCS SampType: LCS TestCode: EPA Method 8021B: Volatiles Client ID: LCSS Batch ID: R17646 RunNo: 17646 Prep Date: SeqNo: 508829 Analysis Date: 3/28/2014 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 1.0 0.050 1.000 0 100 80 120 Benzene 0 1.000 100 80 120 Toluene 1.0 0.050 Ethylbenzene 0.99 0.050 1.000 0 98.5 80 120 0.10 3.000 0 101 80 120 Xylenes, Total 3.0 0.98 98.2 Surr: 4-Bromofluorobenzene 1.000 80 120

Sample ID 1403B84-001AMS SampType: MS TestCode: EPA Method 8021B: Volatiles Client ID: SC-1 Batch ID: R17646 RunNo: 17646 Prep Date: Analysis Date: 3/28/2014 SeqNo: 508832 Units: mg/Kg SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result PQL LowLimit HighLimit Qual 0.040 0.7937 93.1 67.4 135 Benzene 0.74 0.74 0.040 0.7937 93.5 72.6 135 Toluene 0 Ethylbenzene 0.74 0.040 0.7937 0.003334 92.9 69.4 143 Xylenes, Total 2.3 0.079 2.381 0 96.6 70.8 144 0.7937 72.6 120 S Surr: 4-Bromofluorobenzene 0.58 80

Sample ID 1403B84-001AM	TestCode: EPA Method 8021B: Volatiles										
Client ID: SC-1	Batch ID: R17646 Analysis Date: 3/28/2014			F	RunNo: 1	7646					
Prep Date:				5	SeqNo: 5	08833	Units: mg/k	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.72	0.040	0.7937	0	91.0	67.4	135	2.24	20		
Toluene	0.72	0.040	0.7937	0	90.5	72.6	135	3.26	20		
Ethylbenzene	0.72	0.040	0.7937	0.003334	90.9	69.4	143	2.13	20		
Xylenes, Total	2.2	0.079	2.381	0	94.3	70.8	144	2.43	20		
Surr: 4-Bromofluorobenzene	0.78		0.7937		97.7	80	120	0	0		

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

Page 3 of 3



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

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

Sample Log-In Check List

Work Order Number: 1403B84 RcptNo: 1 Client Name: Animas Environmental Received by/date: Logged By: Lindsay Mangin 3/28/2014 10:00:00 AM Completed By: Lindsay Mangin 3/28/2014 10:08:36 AM 03 28 14 Reviewed By: 68 Chain of Custody No 🗌 Not Present ✓ Yes 1 Custody seals intact on sample bottles? No 🗌 Yes V Not Present 2. Is Chain of Custody complete? 3. How was the sample delivered? Courier Log In NA 🗌 No 🗆 Yes V 4. Was an attempt made to cool the samples? No 🗌 NA 🗌 Yes V 5. Were all samples received at a temperature of >0° C to 6.0°C No 🗌 Yes V 6. Sample(s) in proper container(s)? No 🗆 7. Sufficient sample volume for indicated test(s)? No 🗆 Yes 🗸 8. Are samples (except VOA and ONG) properly preserved? No V Yes NA 🗌 9. Was preservative added to bottles? No 🗌 No VOA Vials Yes 10.VOA vials have zero headspace? Yes No 🗸 11. Were any sample containers received broken? # of preserved bottles checked No 🗌 for pH: 12. Does paperwork match bottle labels? Yes V (<2 or >12 unless noted) (Note discrepancies on chain of custody) No 🗆 Adjusted? Yes V 13. Are matrices correctly identified on Chain of Custody? No 🗌 Yes V 14. Is it clear what analyses were requested? Checked by: Yes 🗸 No 🗌 15. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) Yes NA V 16. Was client notified of all discrepancies with this order? No 🗌 Person Notified: Date: By Whom: eMail Phone Fax In Person Regarding: Client Instructions: 17. Additional remarks: 18. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No Seal Date 1.0 Good Yes

lailing	Address	Environ	Mental Services, LLC Comanche 87401	Standard Project Name Col	Rush Allisov	Same 1 1135	day				-	www ins N	AL w.hal NE - 975	YS lenv Alb	ironi uque	s L	tal.co	om M 87	RA	NTA	RY	
mail or Fax#: A/QC Package: Standard			Project Manager: D. Wottsov Sampler: E. Skyles On Ice: Wes INO.				(8021)	MTBE + TPH (Gas only)	DRO / MRO)			SIMS)		O2, PO4, SO4)	82 PCB's			lorides				
							#FBE+ 1		30/	(Method 418.1)	(Method 504.1)	PAH's (8310 or 8270	RCRA 8 Metals	Anions (F,CI,NO3,NO2,PO4,SO4)	8081 Pesticides / 8082 PCB	VOA)	8270 (Semi-VOA)	O Chlo			Air Bubbles (Y or N)	
Date	Time	Matrix	Sample Request ID	Type and #	Preservative Type	1403	No. 1 2584	BTEX +	BTEX +	TPH 80	TPH (M	EDB (M	PAH's (RCRA 8	Anions (8081 Pe	8260B (VOA)	8270 (S	300.			Air Bubk
27/14	12:05	Soil	SC-1	1-402 TMEOHKIT	MeOH	-6	xd	X	+ 1										X			
	ŧ.					9/9																
			-										34						v			
oto:	Time:	Polinguisha	d be	Received by:		Data	Time	Part						0			Die	11.0	05	%/		
ate: 7//4 ate: 27//4	Time: 1742 necessary,	Relinquishe Relinquishe	ote Walls	Received by: Date Time 1713					WO: 1035 8756 AREA: 6 SUPER: Carlos Ray						ACT ORDE	COCO PHILLIPS USER! KGARELA ACT. CODE: TILD ORDERED BY: Gteve Welch. Clearly notated on the analytical recort.						

