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	
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	
ease 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 vironment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordin	
I. OIL CONS. DIV DIST.	3
Operator: Burlington Resources Oil & Gas Company, LP OGRID #: 14538	
Address: PO BOX 4289, Farmington, NM 87499	
Facility or well name: FRONTIER B 3	
API Number: 30-045-06861 OCD Permit Number:	
U/L or Qtr/Qtr E (SWNW) Section 4 Township 27N Range 11W County: San Juan	
Center of Proposed Design: Latitude36.604538N Longitude108.015244•W NAD: □1927 ☑ 1983	
Surface Owner: Federal State Private Tribal Trust or Indian Allotment	
Permanent ☐ Emergency ☐ Cavitation ☐ P&A ☐ Multi-Well Fluid Management Low Chloride Drilling Fluid ☐ yes ☐ no	
□ 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 _ which is a proper of the p	
□ Lined □ Unlined Liner type: Thicknessmil □ LLDPE □ PVC □ Other □ String-Reinforced Liner Seams: □ Welded □ Factory □ Other Volume:bbl Dimensions: Lx Wx D 3.	
□ Lined □ Unlined Liner type: Thicknessmil □ LLDPE □ HDPE □ PVC □ Other	
□ Lined □ Unlined Liner type: Thicknessmil □ LLDPE □ HDPE □ PVC □ Other	
□ Lined □ Unlined Liner type: Thicknessmil □ LLDPE □ PVC □ Other	
□ Lined □ Unlined Liner type: Thicknessmil □ LLDPE □ PVC □ Other	
□ Lined □ Unlined Liner type: Thicknessmil □ LLDPE □ HDPE □ PVC □ Other	
Lined Unlined Liner type: Thicknessmil LLDPE HDPE PVC Other	
□ Lined □ Unlined Liner type: Thicknessmil □ LLDPE □ PVC □ Other □ String-Reinforced Liner Seams: □ Welded □ Factory □ Other	
□ Lined □ Unlined Liner type: Thicknessmil □ LLDPE □ PVC □ Other	val
□ Lined □ Unlined Liner type: Thicknessmil □ LLDPE □ HDPE □ PVC □ Other	val.
□ Lined □ Unlined Liner type: Thicknessmil □ LLDPE □ HDPE □ PVC □ Other	val.
Lined Unlined Liner type: Thicknessmil LLDPE HDPE PVC Other	val.
□ Lined □ Unlined Liner type: Thicknessmil □ LLDPE □ HDPE □ PVC □ Other	val.
□ Lined □ Unlined □ Liner type: Thicknessmil □ LLDPE □ HDPE □ PVC □ Other	val.

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	
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.	
s. 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 accematerial 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 ☐ 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.	LI TES LI NO
- 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	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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. and 19.15.17.13 NMAC Previously Approved Design (attach copy of design) API Number: or Permit Number:	NMAC
TL.	
Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the doc attached. Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC A List of wells with approved application for permit to drill associated with the pit. Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19. and 19.15.17.13 NMAC Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC	
Previously Approved Design (attach copy of design) API Number: or Permit Number:	-

Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the attached.	documents are					
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 Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC						
13.						
<u>Proposed Closure</u> : 19.15.17.13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.						
Type: ☐ Drilling ☐ Workover ☐ Emergency ☐ Cavitation ☐ P&A ☐ Permanent Pit ☐ Below-grade Tank ☐ Multi-well F ☐ Alternative Proposed Closure Method: ☒ Waste Excavation and Removal	luid Management Pit					
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						
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. F 19.15.17.10 NMAC for guidance.						
Ground water is less than 25 feet below the bottom of the buried waste. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No					
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No					
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No					
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	Yes No					
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No					
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application.	☐ Yes ☐ No					
 NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site 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						
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 ap	proval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-M	ining and Mineral Division	☐ Yes ☐ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Ge	ology & 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 by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirement 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 Confirmation Sampling Plan (if applicable) - based upon the appropriate requirement Disposal Facility Name and Permit Number (for liquids, drilling fluids a Soil Cover Design - based upon the appropriate requirements of Subsect Re-vegetation Plan - based upon the appropriate requirements of Subsect Site Reclamation Plan - based upon the appropriate requirements of Subsect Site Reclamation Plan - based upon the appropriate requirements of Subsect Site Reclamation Plan - based upon the appropriate requirements of Subsect Site Reclamation Plan - based upon the appropriate requirements of Subsect Site Reclamation Plan - based upon the appropriate requirements of Subsect Site Reclamation Plan - based upon the appropriate requirements of Subsect Site Reclamation Plan - based upon the appropriate requirements of Subsect Site Reclamation Plan - based upon the appropriate requirements of Subsect Site Reclamation Plan - based upon the appropriate requirements of Subsect Site Reclamation Plan - based upon the appropriate requirements of Subsect Site Reclamation Plan - based upon the appropriate requirements of Subsect Site Reclamation Plan - based upon the appropriate requirements of Subsect Site Reclamation Plan - based upon the appropriate requirements Site Reclamation Plan - based upon the appropriate requirements Site Reclamation Plan - based upon the appropriate requirements Site Reclamation Plan - based upon the appropriate requirements Site Reclamation Plan - based upon the appropriate requirements Site Reclamation Plan - based upon the a	c requirements of 19.15.17.10 NMAC hts of Subsection E of 19.15.17.13 NMAC he appropriate requirements of Subsection K of 19.15.17. hig pad) - based upon the appropriate requirements of 19. 19.15.17.13 NMAC e requirements of 19.15.17.13 NMAC ts of 19.15.17.13 NMAC and drill cuttings or in case on-site closure standards cann tion H of 19.15.17.13 NMAC etion H of 19.15.17.13 NMAC	11 NMAC 15.17.11 NMAC
17. Operator Application Certification:		
I hereby certify that the information submitted with this application is true, according to the control of the	curate and complete to the best of my knowledge and beli	ief.
Name (Print);	Title:	
	Deter	
Signature:	Date:	
e-mail address:	Telephone:	,
	Telephone:	,
e-mail address:	Telephone: Deltan (unity) OCD Conditions (see attachment)	
e-mail address: 18. OCD Approval: Permit Application (including closure plan) Closure	Telephone: Deltan (only): OCD Conditions (see attachment)	
c-mail address: 18. OCD Approval: Permit Application (including closure plan) Closure	Telephone:	the closure report.
e-mail address: 18. OCD Approval: Permit Application (including closure plan) Closure	Telephone: Deplar (only)	the closure report.

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) Crystal Walker Title: Regulatory Coordinator
Signature: Date: 9/21/2016
e-mail address:crystal.walker@cop.com Telephone: (505)326-9837

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

Lease Name: Frontier B 3 API No.: 30-045-06861

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:

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 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		

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.

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 missing.

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 (Missing)

Dear Later

Conocation in

Pursually of the

in and shandon the

The suppletion of the selection of the selection of the Book Book to make the selection of the selection of



Mary Alice Maxwell
RES / PTRRC – San Juan Business Unit
Property Tax, Real Estate, ROW & Claims
3401 East 30th Street
Farmington, NM 87402
Wk: (505) 599-4082
Facsimile: (505) 324-6136

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

April 18, 2011

Bureau of Indian Affairs Division of Real Estate Services M/C 425 PO Box 1060 Gallup, N M 87305-1060

Subject:

P&A Notification

Frontier B 3 Lease 078872-A

SWNW Section 4, T27N, R11W San Juan County, New Mexico

Dear Landowner:

ConocoPhillips Company is hereby notifying you of its intent to plug and abandon the above-referenced well.

Pursuant to the terms and conditions of the Surface Use Agreement. Completion of the planned operations, the Operator will reclaim and restore the disturbed areas as close to their original condition as reasonably practicable, complying to BLM Gold Book Standards. A Bureau of Land Management recommended reseeding mixture will be used for the well site, unless otherwise specified by the landowner.

If you have any concerns regarding this work or would like to specify a seed mixture, please notify Maxwell Blair (505) 320-2732 within five (5) days of receiving this letter.

Sincerely,

Mary Alice Maxwell
Mary Alice Maxwell

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
District IV
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

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

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

		7.11.22			OPI	OPERATOR Initial Report Final Report						epor	
				il & Gas Compan	y Conta	Contact Crystal Walker							
Address 34	01 East 30	th St, Farmin	gton, NM	1	Telep	hone l	No.(505) 326-98	837	9:				
Facility Na	me: Front	ier B 3			Facili	ty Typ	e: Gas Well						
Surface Ov	ner Triba	1		Mineral O	wner BLM			1	API No	.30-045-068	361		- 1
				LOCA	TION OF	RE	LEASE						
Unit Letter E	Section 4	Township 27N	Range 11W	Feet from the 2310	North/South North	Line	Feet from the 790	East/Wes Wes		County San Juan			
						-	e <u>-108.015278</u>						
m en t			_ The Table	NAT	URE OF			1 44	-1	Na the Administration of the Administration			
Type of Release Source of Release							Release Iour of Occurrence		The state of the s	Recovered Hour of Disc	OVERV		_
Source of Release					Date	and F	iour of Occurrent	D.	ate and	Hour of Disc	bvery		
Was Immedi	ate Notice (Yes [No Not Re		ES, To	Whom?			2			
By Whom?		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				and I			9 2 1				
Was a Water	course Read		Yes 🖾	No	IfY	ES, Vo	olume Impacting	the Waterco	ourse.				
		em and Reme tered during			- 1 5-					- E	:		
Describe Are N/A	a Affected	and Cleanup A	Action Tal	cen.*					8			44	
regulations a public health should their or the enviro	If operators or the envi- operations h nment. In a	are required t ronment. The ave failed to	to report and acceptant adequately OCD accep	e is true and complend/or file certain rece of a C-141 report investigate and restance of a C-141 r	lease notificate the the NMC mediate conta	tions and CD m minati	nd perform correct arked as "Final R on that pose a thr e the operator of	ctive actions deport" does reat to groun responsibili	for relations fo	cases which n ieve the opera r, surface wat ompliance wi	nay end tor of er, hun th any	danger liability nan healtl	i
Signature:	70	tal C	Val	Ker			OIL CON		<u> </u>	DIVISIO	<u>N</u>		2
Printed Nam	e: Crystal V	Walker			Appro	vea by	Environmental S	pecialist:		, n , v			
Title: Regul	atory Coor	dinator	4.3		Appro	val Dat	e;	Exp	iration l	Date:			
	1	l.walker@cop	o,com		Condit	ions of	Approval:			Attached			
	1/16	Phone: (505	5) 326-983	7			and the second			Attached		,	



February 7, 2012

Shelly Cook-Cowden ConocoPhillips 3401 East 30th Street, Office #490 Farmington, NM 87402 www.animasenvironmental.com

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

> Durango, Colorado 970-403-3274

RE: Frontier B #3 Below Grade Tank Closure Report
San Juan County, New Mexico

Dear Ms. Cook-Cowden:

Animas Environmental Services, LLC (AES) is pleased to provide the final report associated with the below grade tank (BGT) closure at ConocoPhillips (CoP) Frontier B #3, 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 - Frontier B #3

Legal Description - SW¼ NW¼, Section 4, T27N, R11W, San Juan County, New Mexico Well Latitude/Longitude - N36.60515° and W108.01488°, respectively BGT Latitude/Longitude - N36.604528° and W108.015278°, respectively Land Jurisdiction - Navajo Nation

Figure 1 - Topographic Site Location Map Figure 2 - General Site Plan, January 2012

1.2 NMOCD Ranking

Prior to site work, the New Mexico Oil Conservation Division (NMOCD) database was reviewed, and no prior ranking information was located. Additionally, the New Mexico Office of the State Engineer (NMOSE) database was reviewed, and no water wells were reported within 1,000 feet of the subject site. Once on site, AES personnel assessed the ranking using topographical interpretation, Global Positioning System (GPS) elevation readings, and visual reconnaissance. AES personnel concluded that depth to groundwater at the site was greater than 100 feet below ground surface (bgs), and the distance to the nearest surface water was greater than 1,000 feet. The Frontier B #3 is located adjacent to an agricultural field at Navajo Agricultural Products Industry (NAPI).

1.3 BGT Closure Activities

AES was initially contacted by Bruce Sterling, CoP representative, on January 18, 2012, and on January 19, 2012, Debbie Watson and Tom Long of AES met Bruce Sterling at the location.

AES personnel collected five soil samples from the below the BGT liner. Four samples were collected from the perimeter of the BGT footprint, and one sample was collected from the center of the BGT footprint.

2.0 Soil Sampling

On January 19, 2012, AES personnel conducted field screening and collected five soil samples (S-1 through S-5) from below the BGT. Soils samples were collected from approximately 6 inches below the former BGT for field screening of volatile organic compounds (VOCs), total petroleum hydrocarbon (TPH), and chlorides. Soil sample locations are included on Figure 2.

2.1 Soil Field Screening

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. VOC readings ranged from 0.0 ppm to 2.3 ppm. OVM measurement locations and readings are presented in Table 1 and on Figure 2.

2.1.2 Total Petroleum Hydrocarbons

Soil samples were also analyzed in the field for TPH per 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. TPH concentrations ranged from below 20.0 mg/kg to 51.0 mg/kg, and TPH results are summarized in Table 1 and on Figure 2. The AES field screening report is attached.

2.1.3 Chlorides

Soil samples were field screened for chlorides using Chloride Drop Count Titration with silver nitrate. Sampling and analysis methods followed procedures provided by Hach Company. Chloride field test results ranged from 40 mg/kg to 60 mg/kg. Confirmation soil samples were also collected and submitted for laboratory analysis. Chloride field

screening results are summarized in Table 1 and on Figure 2. The AES field screening report is attached.

2.2 Soil Laboratory Analyses

The five soil samples collected for laboratory analysis (S-1 through S-5) were placed into new, clean, laboratory-supplied containers, which were then labeled, placed on ice, and logged onto a sample chain of custody record. Samples were maintained on ice until delivery to the analytical laboratory, Hall Environmental Analysis Laboratory (Hall), in Albuquerque, New Mexico. The soil samples were laboratory analyzed for:

Chlorides per EPA Method 300.0

2.3 Soil Field and Laboratory Analytical Results

Field and analytical laboratory results are summarized in the table below.

Table 1. Soil OVM, TPH, and Chlorides, Frontier B #3 BGT Closure, January 2012

Sample ID	Date Sampled	Depth below BGT (ft)	VOCs OVM Reading (ppm)	Field TPH (mg/kg)	Field Chlorides (mg/kg)	Laboratory Confirmation Chlorides (mg/kg)
N	MOCD Action	n Level		100	250	250
S-1	01/19/12	0.5	2.3	63.2	60	<30
S-2	01/19/12	0.5	2.0	<20.0	40	<30
S-3	01/19/12	0.5	1.2	22.6	60	<30
S-4	01/19/12	0.5	0.0	22.6	40	<30
S-5	01/19/12	0.5	0.0	51.0	40	<30

OVM readings, TPH and chloride concentrations for the five soil samples were either below laboratory detection limits or below applicable NMOCD action levels for contaminants of concern. Laboratory analytical reports are attached.

3.0 Conclusions

Based on field testing and laboratory analytical results for the soil samples collected on January 19, 2012, in association with the BGT closure for the Frontier B #3, soil concentrations are below applicable NMOCD action levels for contaminants of concern.

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

Shelly Cook-Cowden Frontier B #3 BGT Closure Report February 7, 2012 Page 4 of 4

Sincerely,

Tami Ross, CHMM
Project Manager

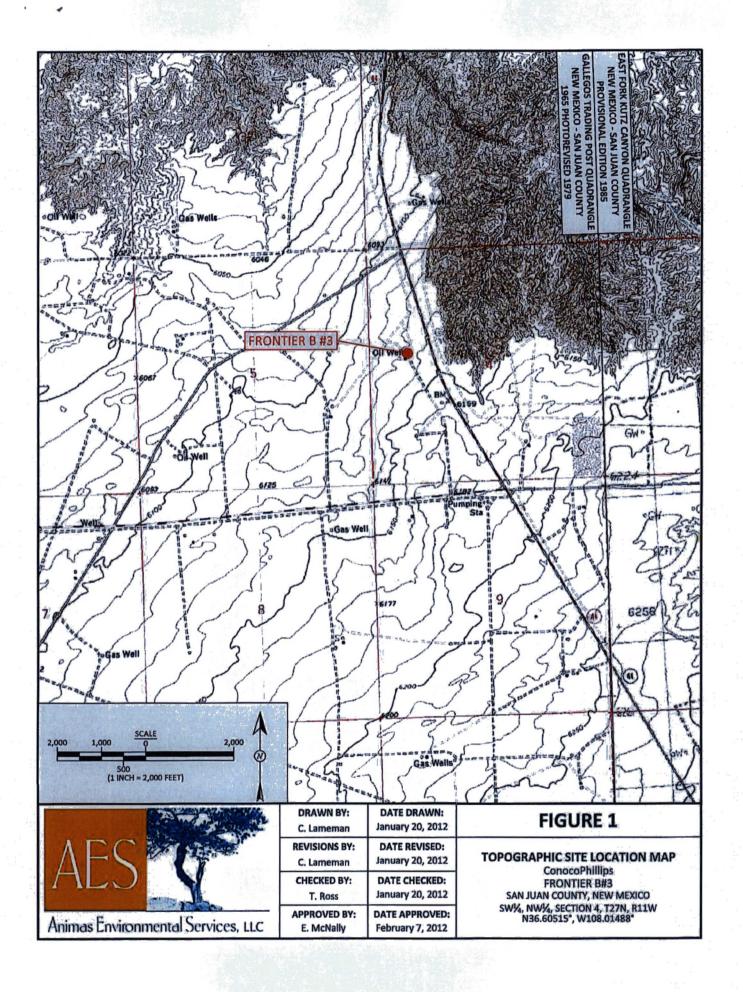
Elizabeth McNally, P.E.

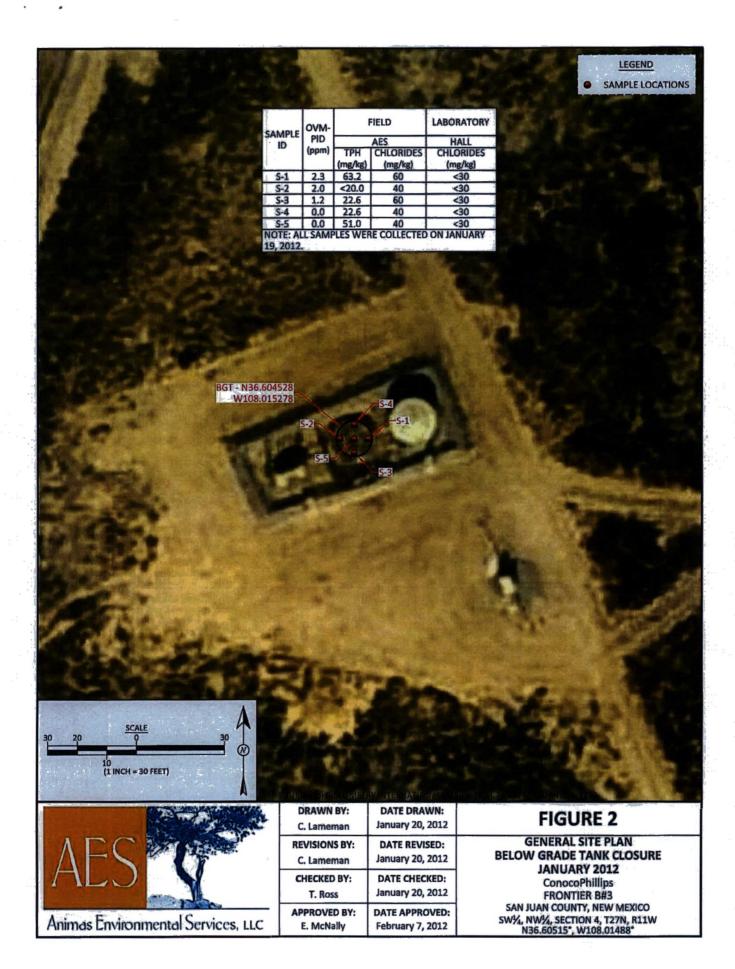
Elizabeth V MeNelly

Attachments:

Figure 1. Topographic Site Location Map Figure 2. General Site Plan, January 2012 AES Field Screening Report 011912B Hall Analytical Report 1201586

S:\Animas 2000\2012 Projects\Conoco Phillips\Frontier B#3\Report\Frontier B#3 BGT Closure Report 020712.docx





AES Field Screening Report

AES

Animas Environmental Services, LLC

www.animasenvironmental.com

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

> Durango, Colorado 970-403-3274

Client: ConocoPhillips

Project Location: Frontier B#3

Date: 1/19/2012

Matrix: Soil

Sample ID	Collection Date	Time of Sample Collection	Sample Location	OVM (ppm)	Field Chloride (mg/kg)	Field TPH Analysis Time	Field TPH* (mg/kg)	TPH PQL (mg/kg)	DF	TPH Analysts Initials
S-1	1/19/2012	11:03	North	2.3	60	11:44	63.2	20.0	1	DAW
S-2	1/19/2012	11:05	South	2.0	40	11:47	19.8	20.0	1	DAW
S-3	1/19/2012	11:07	East	1.2	60	11:49	22.6	20.0	1	DAW
S-4	1/19/2012	11:09	West	0.0	40	11:50	22.6	20.0	1	DAW
S-5	1/19/2012	11:11	Center	0.0	40	11:53	51.0	20.0	1	DAW

Field Chloride - Quantab Chloride Titrators or Drop Count Titration with Silver

Debrah Water

Nitrate

Total Petroleum Hydrocarbons - USEPA 418.1

PQL

Practical Quantitation Limit

ND

Not Detected at the Reporting Limit

DF

Dilution Factor

*Field TPH concentrations recorded may be below PQL.

Analyst



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

January 23, 2012

Ross Kennemer

Animas Environmental Services

624 East Comanche

Farmington, NM 87401

TEL: (505) 564-2281

FAX (505) 324-2022

RE: Co P Frontier B #3

OrderNo.: 1201586

Dear Ross Kennemer:

Hall Environmental Analysis Laboratory received 5 sample(s) on 1/20/2012 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative. Analytical results designated with a "J" qualifier are estimated and represent a detection above the Method Detection Limit (MDL) and less than the Reporting Limit (PQL). These analytes are not reviewed nor narrated as to whether they are laboratory artifacts.

Quality control data is within laboratory defined or method specified acceptance limits except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report Lab Order 1201586

Date Reported: 1/23/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: S-1

Project: Co P Frontier B #3

Collection Date: 1/19/2012 11:03:00 AM

Lab ID:

1201586-001

Matrix: SOIL

Received Date: 1/20/2012 9:00:00 AM

Analyses	Result	RL Qua	1 Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: BRM
Chloride	ND	30	mg/Kg	20	1/20/2012 12:07:37 PM

Qualifiers:

Value exceeds Maximum Contaminant Level.

Value above quantitation range

1 Analyte detected below quantitation limits

R RPD outside accepted recovery limits

Spike Recovery outside accepted recovery limits

Analyte detected in the associated Method Blank

Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

Page 1 of 6

Analytical Report

Lab Order 1201586

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/23/2012

CLIENT: Animas Environmental Services

Client Sample ID: S-2

Project: Co P Frontier B #3

Collection Date: 1/19/2012 11:05:00 AM

Lab ID:

1201586-002

Matrix: SOIL

Received Date: 1/20/2012 9:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: BRM
Chloride	ND	30	mg/Kg	20	1/20/2012 12:59:51 PM

Qualifiers:

*/X Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

Spike Recovery outside accepted recovery limits

Analyte detected in the associated Method Blank В

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

Page 2 of 6

Analytical Report Lab Order 1201586 Date Reported: 1/23/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: S-3

Project: Co P Frontier B #3

Collection Date: 1/19/2012 11:07:00 AM

Lab ID: 1201586-003

Matrix: SOIL

Received Date: 1/20/2012 9:00:00 AM

Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS					Analyst: BRM
Chloride	ND	30	mg/Kg	20	1/20/2012 1:17:16 PM

Qualifiers:

X Value exceeds Maximum Contaminant Level,

B Value above quantitation range

J Analyte detected below quantitation limits

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

RL Reporting Detection Limit

Page 3 of 6

and the state of t

Analytical Report Lab Order 1201586 Date Reported: 1/23/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Client Sample ID: S-4

Project: Co P Frontier B #3

Collection Date: 1/19/2012 11:09:00 AM

Lab ID: 1201586-004

Matrix: SOIL

Received Date: 1/20/2012 9:00:00 AM

Analyses	Result	RL Qua	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS				× ×	Analyst: BRM
Chloride	ND	30	mg/Kg	20	1/20/2012 1:34:41 PM

Qualifiers:

*/X Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

Spike Recovery 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 ND

Reporting Detection Limit

Page 4 of 6

Analytical Report Lab Order 1201586

Date Reported: 1/23/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Project: Co P Frontier B #3

Lab ID: 1201586-005

Client Sample ID: S-5

Collection Date: 1/19/2012 11:11:00 AM

Received Date: 1/20/2012 9:00:00 AM

	Lance of States and Company of
	Analyst: BRM
20	1/20/2012 1:52:06 PM
	20

Matrix: SOIL

Prep Date: - Parkets

Parities of Charles

Bridge DA Schools

-

bioside

Berrale (2) 1201888 0017451

Climat ID: G-1

Propi Date: 4000/2012

Valuers

KTO WIT Y.

Ars Portar of

Frank

The state of the s

Qualifiers: */X Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

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

RL Reporting Detection Limit

Page 5 of 6

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1201586

23-Jan-12

Client:

Animas Environmental Services

Project:

Co P Frontier B #3

Sample ID MB-369

SampType: MBLK

TestCode: EPA Method 300.0: Anions

Client ID: PBS

Batch ID: 369

RunNo: 516

Prep Date: 1/20/2012

Analysis Date: 1/20/2012 PQL

SeqNo: 14624

Units: mg/Kg

%RPD **RPDLimit**

Qual

Analyte Chloride

ND 1.5

Sample ID LCS-369

SampType: LCS Batch ID: 369

TestCode: EPA Method 300.0: Anlons

HighLimit

Client ID: LCSS Prep Date: 1/20/2012

Analysis Date: 1/20/2012

RunNo: 516 SeqNo: 14625

Units: mg/Kg

110

HighLimit

Analyte

Result 14

90

%RPD

Qual

Chloride

PQL

SPK value SPK Ref Val %REC LowLimit

15.00

0 95.7

RPDLimit

SampType: MS

SPK value SPK Ref Val %REC LowLimit

TestCode: EPA Method 300.0: Anions

74.6

Client ID: S-1

Sample ID 1201586-001AMS

Sample ID 1201586-001AMSD

Prep Date: 1/20/2012

Batch ID: 369

RunNo: 516

Prep Date: 1/20/2012

Analysis Date: 1/20/2012

1.5

SeqNo: 14827

109

SeqNo: 14628

Units: mg/Kg

%RPD

Analyte

Result PQL 30

SPK value SPK Ref Val %REC LowLimit

HighLimit

118

RPDLimit Qual

Chloride

SampType: MSD

TestCode: EPA Method 300.0: Anions

Client ID: S-1

Batch ID: 369

RunNo: 516

Units: mg/Kg

20

Qual

Analyte Chloride

Analysis Date: 1/20/2012

ND

15.00

SPK value SPK Ref Val %REC LowLimit

HighLimit

%RPD

RPDLimit

PQL 30

15.00

108

74.6

118

Qualifiers:

*/X Value exceeds Maximum Contaminant Level.

E Value above quantitation range

Analyte detected below quantitation limits

R. RPD outside accepted recovery limits

Analyte detected in the associated Method Blank B

Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Page 6 of 6

RL Reporting Detection Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87105

TEL: 505-345-3975 FAX: 505-345-410; Website: www.hallenvironmental.com

Sample Log-In Check List

Clie	nt Name:	Anima	s Environmenta	1		Work Or	der Nu	ımber:	1201586			
Log	ged by:	Miche	lle Garcia	1/20/20	12 9:00:00 A	M		17	Julie !	Garcia		
Con	npleted By:	Miche	lle Garcia	1/20/20	12 9:26:49 A	M		11	Julith (Janua Janua		
Rev	iewed By:	AT	1/20/12									
Cha	in of Cus	tody										
1.	Were seals	intact?				Yes		No 🗆	Not P	resent 🗹		
2.	ls Chain of C	Custody	complete?			Yes	V	No 🗆	Not P	resent \square		
3.	How was the	sample	delivered?			Fed	X					
Log	<u>In</u>											
4.	Coolers are	present?	(see 19. for co	oler specific info	ormation)	Yes	V I	No 🗆		NA 🗆		
5.	Was an atte	mpt mad	le to cool the sa	mples?		Yes	V I	No 🗆		NA 🗆		
6.	Were all san	nples red	ceived at a temp	erature of >0°	C to 6.0°C	Yes	V I	No 🗆		NA 🗆		
7.	Sample(s) in	proper	container(s)?			Yes	V	4o 🗆				
			ume for indicate	d test(s)?		Yes	V 1	No 🗆				
	Are samples	(except	VOA and ONG	properly prese	rved?	Yes	V I	No 🗆				
10.	Was preserv	ative ad	ded to bottles?			Yes		4o 🗹		NA 🗆		
	Via discolute Mate		N-1001 - 1-1-1-					ı. П	No VO	Vials 🗹		
24			he VOA vials le ntainers receive		or 6 mm?	Yes		lo 🔽	NO VO	Viais (E)		
13.	Does paperv	vork mat	ch bottle labels?	,				40 D		of preserve		
No. of	and the state of		on chain of cust				σ.			or pH:		
10.00		-	y identified on C	N. ASSN	y?	1.7		10 10		Adjuste		2 unless noted)
			ses were reques s able to be me					10 U		rajuoto		
A	The second secon	1 - 2 years	r for authorization			100	<u>.</u>		1	Checked	d by:	
Spe	cial Handl	ing (if	applicable)						_			
17.	Was client n	otified of	all discrepancie	s with this orde	or?	Yes		lo 🗆	,	NA 🗹		
	Person	Notified:			Date			U:				
	By Who	ım:			Via:	☐ eMa		Phone	☐ Fax	☐ In Pers	on	,
	Regard										7.1.	
	Client Ir	etruction	ns:									J
18.	Additional rea	marks:										
19	Cooler Infor	mation										
10,	Cooler No	Temp	°C Condition		Seal No	Seal Da	te	Sign	ed By			
	1	1.0	Good	Yes						1		

Services UC Mailing Address: 624 E Comarche Tarmung In N.M. 8740 Project Manager. Project Manager: ANALYSIS LABORATORY Www.hallerwironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 Analysis Request Analysis Request Project Manager: ANACC Package: ASTANDARY Company Project Manager: ACCreditation NELAP Other Sampler: D MATSON Date Time Matrix Sample Request ID Date Time Matrix Sample Request ID Project Manager: Container Type and # Type The Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 APPLIANCE STATE ST	C	hain-	of-Cu	stody Record	Turn-Around			HALL ENVIRONMENTA						AL							
Tell. 505-345-3975 Fax 505-345-4107	Client:	Anim	as En	vivonmental	□ Standard	Rush	Sameday	1 2			-	-									7
Tell. 505-345-3975 Fax 505-345-4107		Servi	ras I	LC.	Project Name		U				ww	w.ha	llenv	ironr	nent	al.co	m				
Tell. 505-345-3975 Fax 505-345-4107	Mailing	Address	624 E	Comanche	COP F	onther 7	3#3		490)1 H								109			
Project Manager: Project Man	Farm	una tou	NA	u 87401	Project #:										_						
NELAP			-56	1-228					0	<u> </u>		A	naly		Req	uest				-	
NELAP				Project Mana	ger:		15	Ju S	ese				0,0	ဟ						П	
NELAP			R- Kenv	emer	•	s (802	(Gas	as/Di				PO4,	PCB						$\ \ $		
Date Time Matrix Sample Request ID Sand # Type The Wethod & Wetlig Sand	Accreditation		Sampler: D	Watson		₩ W W	표		= =	=		Š	3087			3			9		
19-12 1103 Soil S-1 1105 S-2 107 S-3 109 S-4 109 S-4	□ NELAP □ Other		CO local	XYYES A	E No	超 +	Ŧ	015	148	1	S	O3,	8/8		3	Š	- 1		5		
19-12 1103 Soil S-1 1105 S-2 107 S-3 109 S-4 109 S-4	□ EDD	(Type)_			Sample Tem	perature.	Manager 1		푎	8 8	po po	9	etal	N.	cide	₹	Σ	2			2
1-19-12 1103 Soil S-1 1105 S-2 1107 S-3 1109 S-4	Date	Time	Matrix	Sample Request ID		The second second second second	HEALNO.	BTEX + M	BTEX + M	TPH Metho	TPH (Meth	8310 (PNA	RCRA 8 M	Anions (F,	8081 Pesti	8260B (VO	8270 (Sem				Air Bubbles (Y or N)
1105 S-2 70 2 X	19-12	1103	soil	S-I	4030lass								_								
U07 S-3 X X X Y X X X X X X	1		1	S-2	00.		2											Ý			
109 S-4 Y							3		П									v	\top		П
	+							+	Н			+							十	+	H
	1	,	1		上	ナ	5											χ	\perp		П
								+		-	+	-							+	+	\dashv
							•	+	Н	\dashv		+					Н	\vdash	+	+	Н
																				土	П
					1			+	Н		_	\perp	_						1	+	\mathbb{H}
								+				+	\vdash						+	+	Н
Date: Time: Relinquished by: Received by: Date Time Remarks: Bill to Conoco Phillips	Date:	Time:	Relinquish	ed by:	Received by:		Date Time	Rei	mark	: R	ill h	Con	NOC	OP	hill	ins					
/19/12 1540 Nebruh Water Christin Water 1/9/12 1540 Workorder# 10305025			Nebr	uh Watu	Muste	i Woela		loc	rko	rder	# 10			15		•					
Wolfe Superusor: Montaga Workerdered by: Montaga		400.000	Relinquish	ed by:	Received by:	1 -	1.1	Su		5.4.14		ma		lo lo	orko	nder	edb	y: 1	ront	bya	-
If necessary, earniples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.			Samples sub	mitted to Hall Environmental may be sub-	11 While	coredited laboratoric		7				,		• -				_		9	



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

OrderNo.: 1609026

September 12, 2016

Emilee Skyles
Animas Environmental
604 Pinon Street
Farmington, NM 87401
TEL: (505) 564-2281
FAX

RE: COPC Frontier B #3

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 1 sample(s) on 9/1/2016 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

Only

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 1609026

Date Reported: 9/12/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Project: COPC Frontier B #3

Lab ID: 1609026-001

Client Sample ID: BGT S-1

Collection Date: 8/31/2016 12:27:00 PM

Received Date: 9/1/2016 8:00:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH	* x ×	9 9	8		Analys	: MAB
Petroleum Hydrocarbons, TR	ND	20	mg/Kg	1	9/2/2016	27304
EPA METHOD 8021B: VOLATILES					Analys	: NSB
Benzene	ND	0.024	mg/Kg	1	9/2/2016 2:28:44 PM	27312
Toluene	ND	0.047	mg/Kg	1	9/2/2016 2:28:44 PM	27312
Ethylbenzene	ND	0.047	mg/Kg	1	9/2/2016 2:28:44 PM	27312
Xylenes, Total	ND	0.095	mg/Kg	. 1	9/2/2016 2:28:44 PM	27312
Surr: 4-Bromofluorobenzene	101	80-120	%Rec	1	9/2/2016 2:28:44 PM	27312

Matrix: SOIL

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
- R RPD outside accepted recovery limits
- 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 3
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1609026

12-Sep-16

Client:

Animas Environmental

Project:

COPC Frontier B #3

Sample ID MB-27304

SampType: MBLK

TestCode: EPA Method 418.1: TPH

Client ID:

PBS

Batch ID: 27304

PQL

20

RunNo: 36974

Prep Date: 9/1/2016

Analysis Date: 9/2/2016

SPK value SPK Ref Val %REC LowLimit

Analyte

SeqNo: 1145858

Units: mg/Kg

HighLimit

RPDLimit

Qual

Petroleum Hydrocarbons, TR Sample ID LCS-27304 Result ND

SampType: LCS

TestCode: EPA Method 418.1: TPH

LowLimit

80.7

Client ID: LCSS

Batch ID: 27304

PQL

RunNo: 36974

Prep Date: 9/1/2016

Analysis Date: 9/2/2016

SeqNo: 1145859

Units: mg/Kg

RPDLimit

Qual

Petroleum Hydrocarbons, TR

Result 110

20 100.0

SPK value SPK Ref Val

%REC 108

HighLimit 121

%RPD

%RPD

Sample ID LCSD-27304

SampType: LCSD

TestCode: EPA Method 418.1: TPH

RunNo: 36974

%REC

121

Client ID:

Analyte

LCSS02 Prep Date: 9/1/2016

Analysis Date: 9/2/2016

PQL

Batch ID: 27304

SeqNo: 1145860

Units: mg/Kg

HighLimit

%RPD **RPDLimit** Qual

Analyte Petroleum Hydrocarbons, TR

110

SPK value SPK Ref Val 20 100.0

109

80.7

1.30

Qualifiers:

S

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

% Recovery outside of range due to dilution or matrix

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits 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 Sample container temperature is out of limit as specified

Page 2 of 3

OC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1609026

12-Sep-16

Client: Project: Animas Environmental COPC Frontier B #3

Sample ID MB-27312 SampType: MBLK TestCode: EPA Method 8021B: Volatiles Client ID: Batch ID: 27312 RunNo: 36969 **PBS** Prep Date: 9/1/2016 Analysis Date: 9/2/2016 SeqNo: 1146076 Units: ma/Ka Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Benzene ND 0.025 Toluene ND 0.050 ND 0.050 Ethylbenzene Xylenes, Total ND 0.10 1.000 103 Surr: 4-Bromofluorobenzene 1.0 120

TestCode: EPA Method 8021B: Volatiles Sample ID LCS-27312 SampType: LCS RunNo: 36969 Client ID: LCSS Batch ID: 27312 Prep Date: 9/1/2016 Analysis Date: 9/2/2016 SeqNo: 1146077 Units: mg/Kg SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result **PQL** LowLimit Qual 0.025 1.000 0 101 75.3 1.0 123 Benzene 0.97 1.000 0 97.3 80 Toluene 0.050 124 0.97 0.050 1.000 0 97.3 82.8 121 Ethylbenzene Xylenes, Total 29 0.10 3.000 0 96.2 83.9 122 Surr: 4-Bromofluorobenzene 1.000 RO 120 1.1 106

Sample ID 1609026-001AMS SampType: MS TestCode: EPA Method 8021B: Volatiles Client ID: BGT S-1 Batch ID: 27312 RunNo: 36969 Prep Date: 9/1/2016 Analysis Date: 9/2/2016 SeqNo: 1146079 Units: ma/Ka %RPD **RPDLimit** SPK value SPK Ref Val %REC LowLimit HighLimit Analyte Result **PQL** Qual Benzene 1.1 0.024 0.9756 109 71.5 122 71.2 Toluene 1.1 0.049 0.9756 n 109 123 75.2 0.049 0.9756 0 130 Ethylbenzene 112 1.1 Xylenes, Total 3.2 0.098 2.927 n 111 72.4 131 0.9756 108 Surr: 4-Bromofluorobenzene 1.1 80 120

TestCode: EPA Method 8021B: Volatiles Sample ID 1609026-001AMSD SampType: MSD Client ID: BGT S-1 Batch ID: 27312 RunNo: 36969 Prep Date: 9/1/2016 Analysis Date: 9/2/2016 SeqNo: 1146080 Units: mg/Kg **RPDLimit** SPK value SPK Ref Val %REC LowLimit %RPD Qual Analyte Result PQL **HighLimit** 0.95 0.025 0.9862 96.8 71.5 122 10.6 20 Benzene 0 Toluene 1.0 0.049 0.9862 0 102 71.2 123 6.34 20 0.9862 0.049 0 107 75.2 130 3.66 20 Ethylbenzene 1.1 Xvlenes, Total 3.2 0.099 2.959 0 107 72.4 131 2.75 20 Surr: 4-Bromofluorobenzene 1.1 0.9862 110 80 120 0

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- 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 3 of 3

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



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Animas Environmental Work Order Number	er: 1609026		RcptNo:	1
Received by/date:	0			
Logged By: Ashley Gallegos 9/1/2016 8:00:00 AM	_	A		
Completed By: Ashley Gallegos 9/1/2016 11:41:32 All	A	A		, , ,
Reviewed By: TC 09 01 11	0	. 0		
Chain of Custody				2 x x x x x x x x x x x x x x x x x x x
1. Custody seals intact on sample bottles?	Yes 🗌	No 🗆	Not Present	
2. Is Chain of Custody complete?	Yes 🗹	No 🗆	Not Present	
3. How was the sample delivered?	Courier			
<u>Log In</u>				
4. Was an attempt made to cool the samples?	Yes 🗹	No 🗆	NA 🗆	
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes 🗹	No 🗆	NA 🗆	
6. Sample(s) in proper container(s)?	Yes 🗹	No 🗆		
7. Sufficient sample volume for indicated test(s)?	Yes 🗹	No 🗆		
8. Are samples (except VOA and ONG) properly preserved?	Yes 🗹	No 🗆		
9. Was preservative added to bottles?	Yes	No 🗹	NA 🗆	
10. VOA vials have zero headspace?	Yes 🗌	No 🗆	No VOA Vials	
11. Were any sample containers received broken?	Yes	No 🗹	# of preserved	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes 🗹	No 🗆	bottles checked for pH:	>12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes 🗹	No 🗆	Adjusted?	
14. Is it clear what analyses were requested?	Yes 🗹	No 🗆		
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes 🗹	No 🗆	Checked by:	
Special Handling (if applicable)				
16. Was client notified of all discrepancies with this order?	Yes	No 🗆	NA 🗹	
Person Notified: Date				
By Whom: Via:	eMail	Phone Fax	In Person	45
Regarding:				
Client Instructions:				at 1
17. Additional remarks:				
18. Cooler Information				
Cooler No Temp °C Condition Seal Intact Seal No 1 2.1 Good Yes	Seal Date	Signed By		
, 105	***************************************			

Client: Animas Environmental Services, LLC				Turn-Around T		_	HALL ENVIRONMENTAL											
		11		Project Name:	COPC F	RONTIER B#3	Ī		www.hallenvironmental.com									CT
Mailing Ad	dress:	604 W	Pinon St.					4901 Hawkins NE - Albuquerque, NM 87109										
183		Farmin	gton, NM 87401	Project #:			Tel. 505-345-3975 Fax 505-345-4107											
Phone #:	505-564	-2281			2						A	Analy	sis R	Reque	est			
Email or Fa	ax#:	eskyles@	Danimasenvironmental.com	Project Manag	jer:										823			
QA/QC Pac X Standar			☐ Level 4 (Full Validation)		E. Skyles							2						
Accreditati	ion:			Sampler: CL/S	SG S		_											
□ NELAP		□ Other		On Ice:	X Yes	□ No								9				
□ EDD (T	ype)			Sample Temp	erature: 2 ·			-				1		1 1) 	1		5
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX - 8021B	TPH - EPA 418.1	,						. i	2 2		Air Bubbles (Y or N)
8/31/16	12:27	SOIL	BGT S-1	1 - 4 oz.	cool	-001	x	х			1	+		\vdash	\vdash	\top	\vdash	
						001	<u> </u>	-	-	\vdash	+	_		\vdash	-	+	\vdash	
										\dashv	_	_	_	_	\rightarrow	+	\sqcup	
															2 -	1		
							Г				T		Т			T	\Box	
										\Box	\top	+	T	\top	\vdash	+		
									Н	\vdash	+	+	+	+	\vdash	+	\vdash	
							\vdash			\vdash	+	+	+	+	\vdash	+	\vdash	\vdash
							+		Н	\vdash	+	+	+	+	\vdash	+	+	\vdash
	-						-	-	\vdash	H	+	+	+	+	\vdash	+	\vdash	
							-	_		$\vdash \vdash$	+	-	+		-	+	+	$\vdash \vdash$
Data	Towns	Dellassiah		Deschard hor		Data Tara	_	L.		ĻŢ								
831/16	lime:	Relinquish	Hylmy	Received by:	Malle	8/31/16 /1625	WO Sup	# 2 ervis	1340 or: N)555		Philli	ips					
8 31 11 U	1824	Relinquish	ethe Waller	Received by: Lividsey	Coneha	Date Time	Are	a: 2		Lisa H								
1		samples subn	nitted to Hall Environmental may be su	bcontracted to other a	ccredited laborator	ries. This serves as notice of	f this p	ossibili	ty. An	y sub-c	ontracte	ed data	will be	clearly r	notated o	n the ana	alytical (eport.



