Form C-144 Revised June 6, 2013

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

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

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

Pit, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

Proposed Alternative Method Permit or Closure Plan Appli	cation									
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 or proposed alternative method	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 surironment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authors.	rface water, ground water or the ority's rules, regulations or ordinances.									
Operator: Burlington Resources Oil & Gas Company, LP OGRID #:14538										
Address: PO BOX 4289, Farmington, NM 87499										
Facility or well name: Huerfano Unit 213E										
API Number: 30-045-24847 OCD Permit Number:										
U/L or Qtr/Qtr A Section 36 Township 27N Range 10W County:										
Center of Proposed Design: Latitude36.536452nN Longitude107.841349 _nW NAD: □1927 ☑ 1	1									
Surface Owner: S Federal State Private Tribal Trust or Indian Allotment										
Surface of Mich. 2 1 oderum 2 state 2 11 our										
2. Pit: Subsection F, G or J of 19.15.17.11 NMAC										
Temporary: Drilling Workover										
Permanent ☐ Emergency ☐ Cavitation ☐ P&A ☐ Multi-Well Fluid Management ☐ Low Chloride I	Drilling Fluid □ ves □ no									
Lined Unlined Liner type: Thicknessmil LLDPE HDPE PVC Other										
String-Reinforced										
Liner Seams: Welded Factory Other Volume: bbl Dimensions: L	x W x D									
Ellici Scalis. Welded Factory Other										
3.										
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-o	ff									
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other										
Liner type: Thickness 45 mil HDPE PVC Other LLDPE	1									
4.										
Alternative Method:										
	ffice for consideration of approval.									
Alternative Method: Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau of Santa Fe Environmental Bureau	ffice for consideration of approval.									
Alternative Method: Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau of S. Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)										
Alternative Method: Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau of the Santa Fe Environmen										
Alternative Method: Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau of the Santa Fe Environmen										
Alternative Method: Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau of the Santa Fe Environmen										

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	
Organical in Companies than 1	
Variances and Exceptions: Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance. Please check a box if one or more of the following is requested, if not leave blank: Variance(s): Requests must be submitted to the appropriate division district for consideration of approval. Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	
9. Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acmaterial are provided below. Siting criteria does not apply to drying pads or above-grade tanks.	ceptable source
General siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank.	☐ Yes ☐ No
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	⊠ 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 図 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	☐ Yes ☐ No
Society; Topographic map	Yes No
Within a 100-year floodplain. (Does not apply to below grade tanks) - FEMA map	
Below Grade Tanks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured	☐ Yes ☑ No
from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	
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)	
	е
Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhol 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	☐ Yes ☐ No
application. - 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

☐ Yes ☐ No
☐ Yes ☐ No
☐ Yes ☐ No
NMAC cuments are NMAC NMAC .15.17.9 NMAC
ocuments are

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 doct intached. 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 Preeboard 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	uments are
13. 10.15.17.12.NMAC	
Proposed Closure: 19.15.17.13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.	
Type: 🔲 Drilling 🔲 Workover 🗎 Emergency 🔲 Cavitation 🔲 P&A 🔲 Permanent Pit 🔲 Below-grade Tank 🔲 Multi-well Fluid	l Management Pit
Alternative Proposed Closure Method: Waste Excavation and Removal	
Weste 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	
14. Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attacled. 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	ached to the
15. Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC	, matorial ara
Siting Criteria (regarding on-site closure methods only): 19.13.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. Ple	ase refer to
provided below. Requests regarding changes to certain string criteria require justifications data at the string of 19.15.17.10 NMAC for guidance.	0307
	☐ Yes ☐ No
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	□ NA
Ground water is between 25-50 feet below the bottom of the buried waste NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No☐ NA
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data 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	☐ Yes ☐ No
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant wate	
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	☐ Yes ☐ No
at the time of initial application. 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	☐ Yes ☐ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered and a second part of the cover	

NACA 1079 Section 3-27-3 as amended	
adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No
Within a 100-year floodplain FEMA map	☐ Yes ☐ No
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.13 NMAC Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15. Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards of Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	17.11 NMAC 19.15.17.11 NMAC
Operator Application Certification: I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and Name (Print): Title:	belief.
Name (rimu).	
Signature.	
18. OCD Approval: ☐ Permit Application (including closure plan) ☐ Closure Plan (only) ☐ OCD Conditions (see attachment)	
Approval Date: 04-	-05-2016
Four commental Specialist OCD Permit Number:	-05-2016
OCD Representative Signature.	tting the closure report.
Title:	tting the closure report.

22.	
Operator Closure Certification:	true accurate and complete to the best of my knowledge and
I hereby certify that the information and attachments submitted with this closure report is belief. I also certify that the closure complies with all applicable closure requirements an	d conditions specified in the approved closure plan.
Name (Print): Larissa Farrell Title: Regulatory Te	chnician
Signature: Hawa Mull	Date: 3-8-16
e-mail address: Larissa.L.Farrell@cop.com Telephone: (505) 326-9504	

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

Lease Name: Huerfano Unit 213E

API No.: 30-045-24847

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.

- 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 was not found.

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 not found.

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)

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.

			Rele	ease Notific	ation	and Co	rrective A	ction				
						OPERAT	FOR		☐ Initia	ıl Report	\boxtimes	Final Report
Name of Co	mpany Bu	rlington Res	ources O	il & Gas Compai			ystal Walker				_	100
Address 340	1 East 30 th	St, Farmin	gton, NM		1		No.(505) 326-98	37				
Facility Nan	Facility Name: Huerfano Unit 213E						e: Gas Well	200				
Surface Ow	ner Federa	nl		Mineral C)wner	24-77			API No	.30-045-24	1847	
				LOCA	TION	OF REJ		1			2.61	
Unit Letter	Section	Township	Range	Feet from the	Contractor Contractor	South Line	Feet from the 790	Commence of the commence of th	Vest Line East	County San Juan		
A	36	27N	10W	940		lorth			2430			
							e <u>-107.841349</u>					
				NAT	CURE	OF REL			Volume l	Recovered		
Type of Rele						Volume of	Hour of Occurrence	ee		Hour of Di	scovery	
Source of Re	lease					Date and 1	Total of Occurrent		Non-American States			
Was Immedi	ate Notice (Given?				If YES, To	Whom?					
			Yes [No Not R	equired							
By Whom?						Date and I	Hour olume Impacting	the Wat	ercourse			
Was a Water	course Read	ched?	Yes 🛛	No		II YES, V	olume impacting	the wat	ercourse.			
		100										
If a Waterco	urse was Im	pacted, Desc	ribe Fully	*								
N/A												
Describe Ca	use of Prob	lem and Rem	edial Action	on Taken.*								
No release v	vas encoun	tered during	the bG1	Closul C.								1
N.												
		1.01	Astion To	dron *								
Describe Ar	ea Affected	and Cleanup	Action 13	iken.								
IWA												
I hereby cer	tify that the	information	given abo	ve is true and com	plete to t	he best of m	y knowledge and	understa	and that pu	rsuant to NI	MOCD	rules and
regulations	all operators	s are required	to report	and/or file certain	release n	otifications	and perform corre	ective ac	tions for re	eleases which	n may erator	of liability
public healt	h or the env	ironment. Th	ie accepta	nce of a C-141 re	port by ui	le NMOCD I	tion that noce a th	reat to	round wat	er surface y	vater, h	uman health
should their	operations	addition NN	o adequate	ly investigate and eptance of a C-14	1 report of	loes not relie	eve the operator of	f respon	sibility for	compliance	with a	ny other
federal, stat	e, or local la	aws and/or re	gulations.	1.								
				00	1		OIL CON	VSEK	VATIOI	A DIATO	UN	
Signature:	Lan	mão	tanu									
	0.000					Approved b	y Environmental	Speciali	st:			
Printed Nar	ne: Larissa	Farrell				575 						
mide. De-	datory Tac	hnician				Approval D	oate:		Expiratio	n Date:		
Title: Regi	matory rec	miliciali									190 mm	
E-mail Add	lress: Lariss	a.L.Farrell@	cop.com			Conditions	of Approval:			Attach	ed 🗌	
Date: 2/8/2	2016	Phone	(505) 320	5-9504								

^{*} Attach Additional Sheets If Necessary



November 25, 2013

Lindsey Dumas ConocoPhillips San Juan Business Unit Office 214-07 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: <u>SJBUE-Team@ConocoPhillips.com</u>

RE: Below Grade Tank Closure Report

Huerfano 213E

San Juan County, New Mexico

Dear Ms. Dumas:

Animas Environmental Services, LLC (AES) is pleased to provide the final report associated with the below grade tank (BGT) closure at ConocoPhillips (CoP) Huerfano 213E, 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 – Huerfano 213E

Legal Description – NE¼ NE¾, Section 36, T27N, R10W, San Juan County, New Mexico

Well Latitude/Longitude – N36.53637 and W107.84126, respectively

BGT Latitude/Longitude – N36.53644 and W107.84133, respectively

Land Jurisdiction – Bureau of Land Management (BLM)

Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Map, October 2013

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: A well cathodic report dated May 1991 reported the depth to groundwater as 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: An unnamed wash which discharges into the wash in Jaquez Canyon is located approximately 300 feet east of the location. (10 points)

1.3 BGT Closure Assessment

AES was initially contacted by Fred Martinez, CoP representative, on October 15, 2013, and on October 16, 2013, Corwin Lameman and David Reese 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 October 16, 2013, AES personnel conducted field screening and 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 total petroleum hydrocarbon (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 Screening

2.1.1 Volatile Organic Compounds

A portion of each sample was utilized for field screening of VOC vapors with a photo-ionization 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 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 toluene (BTEX) per U.S. Environmental Protection Agency (USEPA) Method 8021B;
- TPH for gasoline range organics (GRO) and diesel range organics (DRO) per USEPA Method 8015D; and
- Chloride per USEPA Method 300.0.

2.3 Field and Laboratory Analytical Results

Field screening readings for VOCs via OVM ranged from 0.0 ppm in S-1 and S-2 up to 0.9 ppm in S-5. Field TPH concentrations ranged from 41.5 mg/kg in S-4 up to 282 mg/kg in S-5. The field chloride concentration in SC-1 was 40 mg/kg. Field screening results are summarized in Table 1 and presented on Figure 2. The AES Field Screening Report is attached.

Table 1. Soil Field Screening VOCs, TPH, and Chloride Results Huerfano 213E BGT Closure, October 2013

Sample ID	Date Sampled	Depth below BGT (ft)	VOCs OVM Reading (ppm)	Field TPH (mg/kg)	Field Chlorides (mg/kg)
NMOCD Action I	evel (NMAC 19.	15.17.13E)		100	250
S-1	10/16/13	0.5	0.0	63.0	NA
S-2	10/16/13	0.5	0.0	46.9	NA
S-3	10/16/13	0.5	0.2	125	NA
S-4	10/16/13	0.5	0.3	41.5	NA
S-5	10/16/13	0.5	0.9	282	NA
SC-1	10/16/13	0.5	0.3	NA	40

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. TPH concentrations as GRO and DRO were reported at less than 5.0 mg/kg and 9.9 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. Laboratory analytical reports are attached.

Table 2. Soil Laboratory Analytical Results Huerfano 213E BGT Closure, October 2013

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 Action Level (NMAC 19.15.17.13E)		0.2	50	100		250	
SC-1	10/16/13	0.5	<0.050	<0.25	<5.0	<9.9	<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 exceeded the NMOCD action level of 100 mg/kg in two samples, S-3 (125 mg/kg) and S-5 (282 mg/kg). However, laboratory analytical results for TPH (as GRO/DRO) in SC-1 were reported below the NMOCD action level of 100 mg/kg. Benzene and total BTEX concentrations in SC-1 were also 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 screening and laboratory analytical results for benzene, total BTEX, TPH, and chlorides, no further work is recommended at Huerfano 213E.

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

Sincerely,

David J. Reese

Environmental Scientist

David of Reve

Lindsay Dumas Huerfano 213E BGT Closure Report November 25, 2013 Page 5 of 5

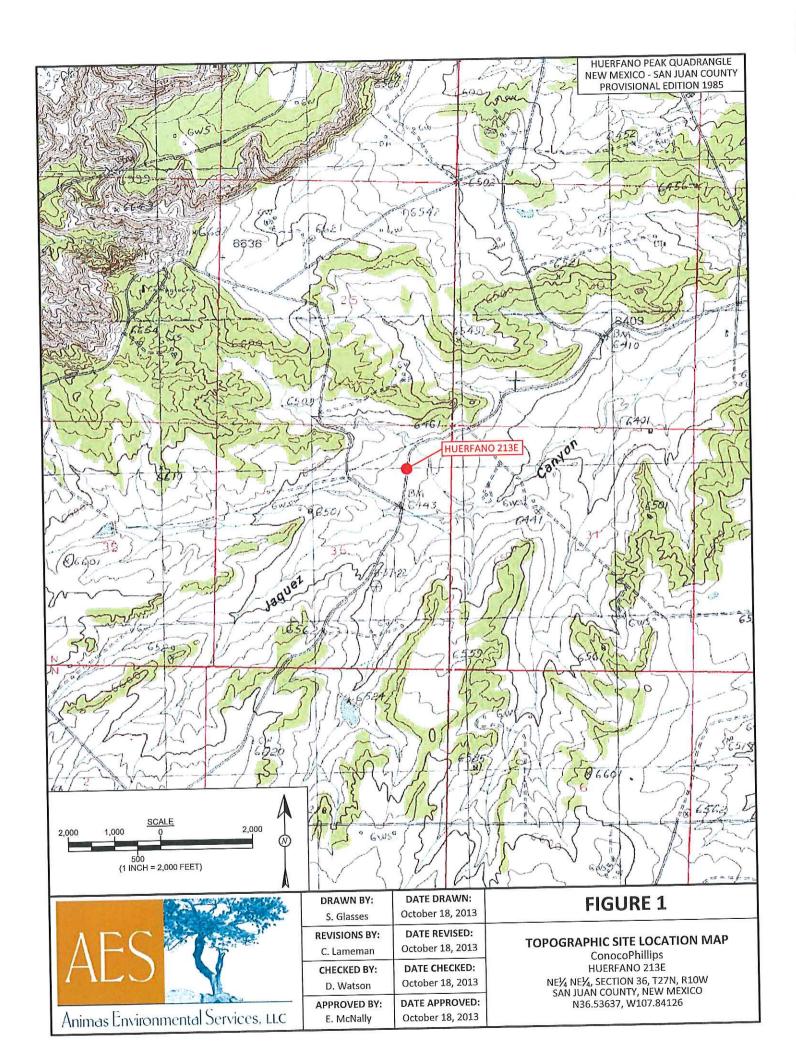
Elizabeth V McNelly

Elizabeth McNally, P.E.

Attachments:

Figure 1. Topographic Site Location Map Figure 2. Aerial Site Map, October 2013 AES Field Screening Report 101613 Hall Analytical Report 1310841

R:\Animas 2000\Dropbox\2013 Projects\ConocoPhillips\Huerfano 213E\Huerfano 213E BGT Closure Report 112513.docx





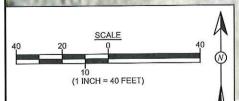
SAMPLE LOCATIONS

	Field Scr	eening R	esults		
Sample ID	Date	OVM- PID (ppm)	TPH (mg/kg)	Chlorides (mg/kg)	
NMOCD ACTION LEVEL			100	250	
S-1	10/16/13	0.0	63.0	NA	
S-2	10/16/13	0.0	46.9	NA	
S-3	10/16/13	0.2	125	NA	
S-4	10/16/13	0.3	41.5	NA	
S-5	10/16/13	0.9	282	NA	
SC-1	10/16/13	0.3	NA	40	

SC-1 IS	A 5-P	OINT	COMPO	OSITE SAI	MPLE OF S	-1
TUDAL	CHC	F ALA	NOT	ANIALVAC	D.	

		Laborato	ry Analytica	ıl Results		
Sample ID	Date	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)	Chlorides (mg/kg)
NMOCD AC	TION LEVEL	0.2	50	10	00	250
SC-1	10/16/13	< 0.050	<0.25	<5.0	<9.9	<30





AERIAL SOURCE: © 2013 MICROSOFT CORPORATION - AVAILABLE EXCLUSIVELY BY DIGITALGLOBE



DRAWN BY: S. Glasses	DATE DRAWN: October 18, 2013
REVISIONS BY: C. Lameman	DATE REVISED: October 18, 2013
CHECKED BY: D. Watson	DATE CHECKED: October 18, 2013
APPROVED BY: E. McNally	DATE APPROVED: October 18, 2013

FIGURE 2

AERIAL SITE MAP
BELOW GRADE TANK CLOSURE
OCTOBER 2013
ConocoPhillips

HUERFANO 213E
NE¼ NE¼, SECTION 36, T27N, R10W
SAN JUAN COUNTY, NEW MEXICO
N36.53637, W107.84126

AES Field Screening Report

Client: ConocoPhillips

Project Location: Huerfano 213E

Date: 10/16/2013

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)	Field TPH Analysis Time	Field TPH* (mg/kg)	TPH PQL (mg/kg)	DF	TPH Analysts Initials
S-1	10/16/2013	10:50	North	0.0	NA	11:48	63.0	20.0	1	DR
S-2	10/16/2013	10:53	South	0.0	NA	11:52	46.9	20.0	1	DR
S-3	10/16/2013	10:57	East	0.2	NA	11:56	125	20.0	1	DR
S-4	10/16/2013	11:00	West	0.3	NA	11:59	41.5	20.0	1	DR
S-5	10/16/2013	11:02	Center	0.9	NA	12:02	282	20.0	1	DR
SC-1	10/16/2013	11:10	Composite	0.3	40		Not.	Analyzed for TF	PH.	

Field Chloride - Quantab Chloride Titrators or Drop Count Titration with

Silver Nitrate

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst: David & Reuse

DF NA Dilution Factor

ND

Not Analyzed

ND

Not Detected at the Reporting Limit

PQL

Practical Quantitation Limit

*Field TPH concentrations recorded may be below PQL.

Page 1

Report Finalized: 10/16/13



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

October 21, 2013

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

FAX

RE: CoP Huerfano 213E

OrderNo.: 1310841

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 10/17/2013 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 qualifers 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

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 1310841

Date Reported: 10/21/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Project: CoP Huerfano 213E

Lab ID: 1310841-001

Client Sample ID: SC-1

Collection Date: 10/16/2013 11:10:00 AM

Matrix: MEOH (SOIL) Received Date: 10/17/2013 9:50:00 AM

Analyses	Result	RL Qu	al Units	DF Da	ate Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	SE ORGANICS				Analy	yst: BCN
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1 1	0/17/2013 12:11:18	PM 9886
Surr: DNOP	107	63-147	%REC	1 1	0/17/2013 12:11:18	PM 9886
EPA METHOD 8015D: GASOLINE R.	ANGE				Anal	yst: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1 1	0/17/2013 11:55:43	3 AM R14160
Surr: BFB	79.4	74.5-129	%REC	1 1	0/17/2013 11:55:43	3 AM R14160
EPA METHOD 8021B: VOLATILES					Anal	yst: NSB
Benzene	ND	0.050	mg/Kg	1 1	0/17/2013 11:55:43	3 AM R14160
Toluene	ND	0.050	mg/Kg	1 1	0/17/2013 11:55:43	3 AM R14160
Ethylbenzene	ND	0.050	mg/Kg	1 1	0/17/2013 11:55:43	3 AM R14160
Xylenes, Total	ND	0.10	mg/Kg	1 1	0/17/2013 11:55:43	3 AM R14160
Surr: 4-Bromofluorobenzene	89.1	80-120	%REC	1 1	0/17/2013 11:55:43	3 AM R14160
EPA METHOD 300.0: ANIONS					Anal	yst: JRR
Chloride	ND	30	mg/Kg	20 1	0/17/2013 12:20:07	7 PM 9888

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
 - P Sample pH greater than 2 for VOA and TOC only.
 - RL Reporting Detection Limit

OC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1310841

21-Oct-13

Client:

Animas Environmental

Project:

CoP Huerfano 213E

Sample ID MB-9888

SampType: MBLK

TestCode: EPA Method 300.0: Anions

Client ID:

PBS

Batch ID: 9888

RunNo: 14185

Prep Date: 10/17/2013

Analysis Date: 10/17/2013

SPK value SPK Ref Val

SeqNo: 406219 %REC LowLimit Units: mg/Kg

%RPD

RPDLimit

Qual

Analyte Chloride

Result PQL ND 1.5

Sample ID LCS-9888

SampType: LCS

RunNo: 14185

TestCode: EPA Method 300.0: Anions

HighLimit

Client ID: LCSS

10/17/2013

Batch ID: 9888 Analysis Date: 10/17/2013

SeqNo: 406220

Units: mg/Kg

RPDLimit %RPD

Qual

Analyte

Prep Date:

SPK value SPK Ref Val 15.00

%REC 93.5

LowLimit

HighLimit

Result 14

Chloride

1.5

0

90

110

Qualifiers:

Value exceeds Maximum Contaminant Level.

Value above quantitation range E

Analyte detected below quantitation limits J

RSD is greater than RSDlimit O

RPD outside accepted recovery limits R

Spike Recovery outside accepted recovery limits

Analyte detected in the associated Method Blank В

Holding times for preparation or analysis exceeded Η

Not Detected at the Reporting Limit ND

Sample pH greater than 2 for VOA and TOC only. P

RL Reporting Detection Limit Page 2 of 5

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1310841

Page 3 of 5

21-Oct-13

Client:

Animas Environmental

Project: CoP Hue	rfano 213E										
Sample ID MB-9886	SampType: MBLK	TestCode: EPA Method	8015D: Diesel Range Org	ganics							
Client ID: PBS	Batch ID: 9886	RunNo: 14149									
Prep Date: 10/17/2013	Analysis Date: 10/17/2013	SeqNo: 405466	Units: mg/Kg								
Analyte		SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual							
Diesel Range Organics (DRO)	ND 10		0.32								
Surr: DNOP	10 10.00	100 63	147								
Sample ID LCS-9886	SampType: LCS	TestCode: EPA Method	8015D: Diesel Range Or	ganics							
Client ID: LCSS	Batch ID: 9886	RunNo: 14149									
Prep Date: 10/17/2013	Analysis Date: 10/17/2013	SeqNo: 405467	Units: mg/Kg								
	000 000 000 000 000 000 000 000 000 00	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual							
Analyte Diesel Range Organics (DRO)	46 10 50.00	0 92.1 77.1	128								
Surr: DNOP	4.5 5.000	89.3 63	147								
Sample ID MB-9905	SampType: MBLK	TestCode: EPA Method 8015D: Diesel Range Organics									
Client ID: PBS	Batch ID: 9905	RunNo: 14182									
Prep Date: 10/18/2013	Analysis Date: 10/18/2013	SeqNo: 406691	Units: %REC								
7.00		SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual							
Analyte Surr: DNOP	10 10.00	100 66	131								
	SampType: LCS	TestCode: EPA Method	I 8015D: Diesel Range O	rganics							
Sample ID LCS-9905		RunNo: 14182									
Client ID: LCSS	Batch ID: 9905		Units: %REC								
Prep Date: 10/18/2013	Analysis Date: 10/18/2013	SeqNo: 406692		DDDI imit Ougl							
Analyte	10.55070000	SPK Ref Val %REC LowLimit		RPDLimit Qual							
Surr: DNOP	4.9 5.000	97.3 66	131								

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Value above quantitation range E
- Analyte detected below quantitation limits J
- RSD is greater than RSDlimit 0
- RPD outside accepted recovery limits R
- Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank В
- Holding times for preparation or analysis exceeded Η
- Not Detected at the Reporting Limit ND
 - Sample pH greater than 2 for VOA and TOC only.
- RL

P

Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1310841

21-Oct-13

Client:

Animas Environmental

Project:

CoP Huerfano 213E

1 10,1000															
Sample ID MB-9871 MK		уре: МВ		TestCode: EPA Method 8015D: Gasoline Range RunNo: 14160											
Client ID: PBS	Batch	ID: R1	4160	R	univo: 14	1160									
Prep Date:	Analysis D	ate: 10	/17/2013	S	eqNo: 40	05986	Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
Gasoline Range Organics (GRO)	ND	5.0				220 20	100								
Surr: BFB	830		1000		82.6	74.5	129								
Sample ID LCS-9871 MK	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е						
Client ID: LCSS	Batcl	n ID: R1	4160	F	RunNo: 1	4160									
Prep Date:	Analysis [Date: 10)/17/2013	9	SeqNo: 4	06000	Units: mg/k	(g							
5)		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
Analyte	Result	PUL	Of it value				100000								
Analyte Gasoline Range Organics (GRO)	Result 26	5.0	25.00	0	103	74.5	126 129								

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 for VOA and TOC only.

RL Reporting Detection Limit

Page 4 of 5

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1310841

21-Oct-13

Client:

Animas Environmental

Project:

CoP Huerfano 213E

3														
Sample ID MB-9871 MK	SampT	уре: МЕ	BLK	TestCode: EPA Method 8021B: Volatiles										
Client ID: PBS	Batch	h ID: R1	4160	F	RunNo: 1	4160								
Prep Date:	Analysis D	Date: 10	0/17/2013	\$	SeqNo: 4	06126	Units: mg/k							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Benzene	ND	0.050												
Toluene	ND	0.050												
Ethylbenzene	ND	0.050												
Xylenes, Total	ND	0.10												
Surr: 4-Bromofluorobenzene	0.95		1.000		94.9	80	120							
Sample ID LCS-9871 MK	Samp	Type: LO	cs	Tes	stCode: E	PA Method	8021B: Vola	tiles						
	-	LID. B.	44400	i	PunNo: 1	4160								

Sample ID LCS-9871 MK	SampT	ype: LC	S	TestCode: EPA Method 8021B: Volatiles											
Client ID: LCSS	Batcl	n ID: R1	4160	F	tunNo: 1	4160									
Prep Date:	Analysis [Date: 10/17/2013 SeqNo: 406127 U					Units: mg/K	(g							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
Benzene	0.96	0.050	1.000	0	96.5	80	120								
Toluene	1.0	0.050	1.000	0	101	80	120								
Ethylbenzene	1.0	0.050	1.000	0	102	80	120								
Xylenes, Total	3.1	0.10	3.000	0	102	80	120								
Surr: 4-Bromofluorobenzene	0.97		1.000		97.3	80	120								

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Value above quantitation range E
- Analyte detected below quantitation limits J
- RSD is greater than RSDlimit 0
- RPD outside accepted recovery limits R
- Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank В
- Holding times for preparation or analysis exceeded Η
- Not Detected at the Reporting Limit ND
- Sample pH greater than 2 for VOA and TOC only. P
- RLReporting Detection Limit

Page 5 of 5



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87105

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

Sample Log-In Check List

Client Name: Animas Environmental Work Order Number:	1310841		RoptNo: 1	
Received by/date: 01713				
Logged By: Ashley Gallegos 10/17/2013 9:50:00 AM		A		
Completed By: Ashley Gallegos 10/17/2013 10:09:42 AM	Л	A		
Reviewed By: 101713				
Chain of Custody				
1. Custody seals intact on sample bottles?	Yes 🗆 .	No 🗆	Not Present 🗹	
2. Is Chain of Custody complete?	Yes 🗸	No 🗆	Not Present	
3. How was the sample delivered?	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 \square	
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 \square	
10.VOA vials have zero headspace?	Yes 🗌	No □	No VOA Vials 🗹	
11. Were any sample containers received broken?	Yes	No 🗹 [H of accounted	· · · · · · · · · · · · · · · · · · ·
TI	C-6		# of preserved bottles checked	
12. Does paperwork match bottle labels?	Yes 🗹	No □	for pH: (<2 or	>12 unless noted)
(Note discrepancies on chain of custody)	Yes 🗹	No □	Adjusted?	Section Section Advances
13. Are matrices correctly identified on Chain of Custody? 14. Is it clear what analyses were requested?	Yes 🗹	No 🗆		
15. Were all holding times able to be met?	Yes 🗸	No 🗆	Checked by:	
(If no, notify customer for authorization.)		81		-
20				
Special Handling (if applicable)				
16. Was client notified of all discrepancies with this order?	Yes 🗆	No ∐	NA 🗸	1
Person Notified: Date:	2.10 × 215.00 × 2.00-2000	CACO-SERVE IN THE SECOND AREA .		
By Whom: Via:	eMail _	Phone Fax	In Person	
Regarding:	area or constant or days or com-	and a market of commentation defined trade	CALIFORNIA AND TARROLLAND AND THE STATE OF	
Client Instructions:	. COPULCOPIO POR ESPERANTE	, a discretion was selected to	enteratur Matriciae (200 de 1900)]
17. Additional remarks:				
18. <u>Cooler Information</u>	ALLEAL T	Claned Du	1	
Cooler No Temp C Condition Seal Intact Seal No. 1 1.0 Good Yes	Seal Date	Signed By		
110 200 1				

LATI GNYTDONMENTAL	ANALYSIS LABORATORY	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109	Tel. 505-345-3975 Fax 505-345-4107	Analysis Request		,PO ₄ ,Si	(1.40 30728 500,60 (A (A	or or tals lightly of 5 lightly or	TPH (Metho EDB (Metho PAH's (8310 RCRA 8 Me CRA 8 Me Rostlo 8081 Pestici 8270 (Semi- Soro, O C	×									U to Conoco Phillips		Halper Renale Natures Art Code: C200 Orderalm: Wedness	ed data will be clearly not
			4901 H	Tel. 50		uly)	_		_	ITM + X3T8 X36108 H9T	×									Remarks: Poll	30. 10	Net Corte: C200	ibility. Any s
						()	`S08) &	1		BTEX + 🗽	X					_		_		Rer	7		f this possi
	n Sameday	>. !	213E					Juno. ⊡ Noi		HEALNO.	100- +						•			Date Time	1/ E//N/k)	Date Time (0/17/13 0950	ries. This serves as notice of
nd Time:	Rush A	, (thuertano			ager:	2017	C. Lamemo	nperature	Preservative Type	med H									 ,	Jast	In the	accredited laborato
Tum-Around	□ Standard	Project Name:	COP The	Project #:		Project Manager:	D. Wasson	Sampler: C. Lawe	Sample Ten	Container Type and #	20 to 100001	Ç.								Received by:	/UNA	Received by:	contracted to other
Chain-of-Custody Record	Gaveronmental		E Comandre	- 82	564 2281		☐ Level 4 (Full Validation)			Sample Request ID	1-28		25						11	ned by: }		with Walt	bmitted to Hall Environmental may be sub
of-Cı		Services UC	E WILL E		5 564			□ Other		Matrix	Stril		9							Rekingwished by:	_	Relinguished by	samples su
hain	Animas	Sevve	Mailing Address:	Mins	ione #: 505 56	Fax#:	QA/QC Package:	tation AP	(Type)	Time	2111							700		Time:	\$	Time:	f necessary.
O	Client:		Mailing	772	Phone #:	email or Fax#:	QA/QC Packa	Accreditation NELAP	□ EDD (Type)	Date	10-16-13									Date:	T 2	Date: Time:	

HUERFANO UNIT 213E



