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.

			· · · · · · · · · · · · · · · · · · ·		5.5	AND THE RESERVE OF THE PARTY OF
			Pit, Below-C	Grade Tank, or		
	Propo	sed Alternati	ve Method P	ermit or Closur	e Plan Applic	ation
14276	Type of action: or proposed alte	Closure of a p Modification Closure plan	it or proposed alte pit, below-grade ta to an existing per	nk, or proposed alter mit/or registration		RECEIVED By kcollins at 7:38 am, Mar 09, 2016 pit, below-grade tank,
	Instructions: Plea	ase submit one appli	ication (Form C-14	4) per individual pit, be	low-grade tank or al	ternative request
Please be advise	d that approval of this re	equest does not relieve	the operator of liabi	lity should operations res	ult in pollution of surf	ace water, ground water or the rity's rules, regulations or ordinances.
1.	or does approval reneve	the operator of its res	sponsionity to compry	with any other applicable	e governmentar author	ity 5 rules, regulations of oranianous.
Operator:	Burlington Resources (Oil & Gas Company,	LP OGRI	D#: <u>14538</u>		
Address:	PO BOX 4289, Farmin	ngton, NM 87499				
Facility or w	ell name: Hubbell 10					
API Number	:: _30-045-21391		OCD Permit Numbe	er:		399 3
Center of Pr	oposed Design: Latitu	de36.707206 <u>"N</u>	Longitude10	7.919922 <u>°W</u> NAD: [1 927 ⊠ 1983	
Surface Own	ner: 🗌 Federal 🔲 Stat	te 🛛 Private 🗌 Trib	oal Trust or Indian A	llotment		
Temporary: Permaner Lined String-Re	Unlined Liner type	over Cavitation P&A e: Thicknessmi	il 🗌 LLDPE 🗍 1	d Management HDPE □ PVC □ Oth Volume:bbl	ner	
3. Relow-gr	rade tank: Subsection	on Lof 19 15 17 11 N	IMAC			
BS 18-20	120			d Water		
	uction material:					
☐ Seconda	ry containment with lessidewalls and liner	eak detection 🛭 Vi Visible sidewalls o	nly 🗌 Other	r, 6-inch lift and automa		
-						
10000000	ive Method: an exception request i	s required. Exception	ons must be submitte	ed to the Santa Fe Envir	onmental Bureau offi	ice for consideration of approval.
Chain lin	k, six feet in height, tv	vo strands of barbed	wire at top (Require			residence, school, hospital,

Alternate. Please specify

Form C-144

Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)	
Screen Netting Other	
☐ Monthly inspections (If netting or screening is not physically feasible)	
7. Signs: Subsection C of 19.15.17.11 NMAC	
12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers	
☐ Signed in compliance with 19.15.16.8 NMAC	
8. Variances and Exceptions: Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.	
Please check a box if one or more of the following is requested, if not leave blank: \[\subseteq \text{Variance(s)}: Requests must be submitted to the appropriate division district for consideration of approval. \[\subseteq \text{Exception(s)}: Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	5
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 accept material are provided below. Siting criteria does not apply to drying pads or above-grade tanks.	table 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 300fect of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

Within 100 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit Non-low chloride drilling fluid	
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Permanent Pit or Multi-Well Fluid Management Pit	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 Natural Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the document attached. Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19. and 19.15.17.13 NMAC Previously Approved Design (attach copy of design) API Number: or Permit Number: or Permit Number:	NMAC 15.17.9 NMAC
11. Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC	
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the do 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:	9.15.17.9 NMAC

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,	
Proposed Closure: 19.15.17.13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.	Di i I M
Type: ☐ Drilling ☐ Workover ☐ Emergency ☐ Cavitation ☐ P&A ☐ Permanent Pit ☐ Below-grade Tank ☐ Multi-well ☐ Alternative Proposed Closure Method: ☒ Waste Excavation and Removal	fluid Management Pit
Waste Excavation and Reinoval 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	
Maste 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	
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 sort provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. 19.15.17.10 NMAC for guidance.	arce material are Please refer to
Ground water is less than 25 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	Yes No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	Yes No
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	Yes No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	

 adopted pursuant to NMSA 1978, Section 3-27-3, as amended. Written confirmation or verification from the municipality; Written 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 plan by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17 Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.13 NMAC Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot 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	.11 NMAC .15.17.11 NMAC
Operator Application Certification:	r. c
I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and be	
Name (Print): Title:	
Signature: Date:	
e-mail address: Telephone:	
18. OCD Approval: ☐ Permit Application (including closure plan) ☒ Closure Plan (enly) ☐ OCD Conditions (see attachment)	
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18. OCD Approval: ☐ Permit Application (including closure plan) ☐ Closure Plan (only) ☐ OCD Conditions (see attachment) OCD Representative Signature: Approval Date:	
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18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: 04-0 Title: Environmental Specialist OCD Permit Number: 19. Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting The closure amount in required to the submitted to the division within 60 days of the completion of the closure activities. Please do not	5-2016 ig the closure report.
18. OCD Approval: ☐ Permit Application (including closure plan) ☐ Closure Plan (only) ☐ OCD Conditions (see attachment) OCD Representative Signature:	5-2016 ig the closure report.
18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Environmental Specialist OCD Permit Number: 19. Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not section of the form until an approved closure plan has been obtained and the closure activities have been completed.	5-2016 In the closure report. ot complete this
OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)	5-2016 Ing the closure report. of complete this -loop systems only)
Source Permit Application (including closure plan) Closure Plan (enhy) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: 04-0	5-2016 Ing the closure report. of complete this -loop systems only)
18. OCD Approval: ☐ Permit Application (including closure plan) ☐ Closure Plan (enly) ☐ OCD Conditions (see attachment) OCD Representative Signature: ☐ Approval Date: ☐ O4-0 Title: ☐ Environmental Specialist ☐ OCD Permit Number: ☐	5-2016 Ing the closure report. of complete this -loop systems only)
Note	5-2016 Ing the closure report. of complete this -loop systems only)
18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)	5-2016 Ing the closure report. of complete this -loop systems only)
Note	5-2016 Ing the closure report. of complete this -loop systems only)

22.	
Operator Closure Certification:	
I hereby certify that the information and attachments submitted with this closubelief. I also certify that the closure complies with all applicable closure requi	re report is true, accurate and complete to the best of my knowledge and rements and conditions specified in the approved closure plan.
Name (Print): Larissa Farrell Title: Res	gulatory Technician
Signature: Alussa Jawell	Date: 3-8-16
e-mail address: <u>Larissa.L.Farrell@cop.com</u> Telephone: (505) 326-9504	

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

Lease Name: Hubbell 10 API No.: 30-045-21391

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.

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

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

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

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

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

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

A release was not determined for the above referenced well.

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

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

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

Notification was not found.

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

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

			Rele	ase Notific	ation	and Co	rrective A	ction				
					(OPERAT	ГOR		Initia	al Report	\boxtimes	Final Report
Name of Co	mpany Bu	rlington Res	ources O	l & Gas Compar			ystal Walker	27				
Address 340)1 East 30 th	St, Farming	gton, NM	2 2	1 1		No.(505) 326-98 he: Gas Well	837				
Facility Nar	ne: Hubbe	11 10		36	F	aciity Typ	e. Gas Well		F	20.045.0	1201	
Surface Ow	ner Pri	vate		Mineral O	wner				API No	.30-045-2	1391	
				LOCA	TION	OF REI						
Unit Letter	Section	Township	Range	Feet from the	000000000000000000000000000000000000000	South Line	Feet from the 990		est Line ast	County San Juan		
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				Latitude 36.	<u>707206</u>	Longitud	e <u>-107.919922</u>					
				NAT	URE	OF REL				. 1		
Type of Rele	ase					Volume of		-		Recovered Hour of Di	scoverv	
Source of Re	lease					Date and F	Hour of Occurren	ce	Date and	Tiour of Di		
Was Immedi	ate Notice (iven?				If YES, To	Whom?	•				
yy as minical	ato moneo c		Yes [No Not R	equired							
By Whom?						Date and I	Hour	the Wete	roourse		-	
Was a Water	course Read	ched?	Yes 🛛	No		If YES, V	olume Impacting	the water	rcourse.			
If a Waterco	urse was Im	pacted, Desc	ribe Fully.	*								
N/A												
	00 11	1 D	adial Antic	n Takan *				_				
Describe Ca	use of Probl	em and Remo	the BGT	Closure.								
110 Telease	nas cheoun		1 032773									
Describe Ar	ea Affected	and Cleanup	Action Ta	ken.*								
N/A												
							1 1 . 1	undorsto	nd that nu	repart to N	MOCD	rules and
				ve is true and com								
regulations	all operators h or the env	s are required ironment. Th	ne acceptai	nce of a C-141 rep	ort by th	e NMOCD 1	marked as "Final	Report" o	does not re	elieve the of	perator o	of liability
should their	operations	have failed to	adequate	ly investigate and	remediat	te contamina	tion that pose a the	hreat to g	round wat ibility for	er, surrace	water, ii	ny other
or the envir	onment. In	addition, NM	IOCD acce	eptance of a C-14	report of	loes not relie	eve the operator of	n respons	donney for	Compilation	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
federal, stat	e, or local la	ws and/or re	guiations.				OIL CO	NSERV	ATION	VIDIVIS:	ION	
Signature:							81					
			_			Aavad b	y Environmental	Specialis	at.			
Printed Nar	ne: Larissa	Farrell				Approved t	y Environmental	Specians				
						Approval D	Note:		Expiration	n Date:		
Title: Regi	ulatory Tec	hnician							za-paratio			
E-mail Add	lress: Lariss	a.L.Farrell@	cop.com			Conditions	of Approval:			Attach	ed 🔲	
Date: 2-10	-16	Phone:	(505) 326-	9504								

^{*} Attach Additional Sheets If Necessary



July 22, 2013

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

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

> Durango, Colorado 970-403-3084

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

RE: Below Grade Tank Closure Report

Hubbell #10

San Juan County, New Mexico

Dear Ms. Hunter:

Animas Environmental Services, LLC (AES) is pleased to provide the final report associated with the below grade tank (BGT) closure at ConocoPhillips (CoP) Hubbell #10, 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 - Hubbell #10

Legal Description – SE¼ SE¼, Section 19, T29N, R10W, San Juan County, New Mexico Well Latitude/Longitude – N36.70716 and W107.91985, respectively

BGT Latitude/Longitude - N36.70721 and W107.91991, respectively Land Jurisdiction - Private Land

Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Map, June 2013

1.2 NMOCD Ranking

In accordance with NMOCD release protocols, action levels were established per NMOCD *Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993) prior to site work. The location was given a ranking score of **30** based on the following factors:

- Depth to Groundwater: A Point Diversion Summary dated September 2, 1998, reported depth to groundwater as 2 feet below ground surface (bgs) for Well SJ 02860, located approximately 900 feet southeast of the location. Based on elevation differential between the location and the San Juan River, depth to groundwater is estimated at less than 50 feet bgs. (20 points)
- Wellhead Protection Area: The release location is not within a wellhead protection area. (0 points)
- Distance to Surface Water Body: The San Juan River is located approximately 600 feet north of the location. (10 points)

1.3 BGT Closure Assessment

AES was initially contacted by Freddie Martinez, CoP representative, on June 5, 2013, and on June 6, 2013, Heather Woods and Stephanie Lynn 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 June 6, 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 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 xylene (BTEX) per U.S. Environmental Protection Agency (USEPA) Method 8021B; and
- Chloride per USEPA Method 300.0.

2.3 Field and Laboratory Analytical Results

Field screening readings for VOCs via OVM ranged from 0.4 ppm in S-2 up to 2.3 ppm in S-5. Field TPH concentrations ranged from 48.7 mg/kg in S-1 up to 82.0 mg/kg in S-2. 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 Hubbell #10 BGT Closure, June 2013

Sample ID	Date Sampled	Depth below BGT (ft)	VOCs OVM Reading (ppm)	Field TPH (mg/kg)	Field Chlorides (mg/kg)
NMOCD Action L	evel (NMAC 19.	.15.17.13E)		100	250
S-1	6/6/13	0.5	2.2	48.7	NA
S-2	6/6/13	0.5	0.4	82.0	NA
S-3	6/6/13	0.5	0.8	63.5	NA
S-4	6/6/13	0.5	0.7	56.1	NA
S-5	6/6/13	0.5	2.3	58.6	NA
SC-1	6/6/13	0.5	NA	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 less than 0.25 mg/kg, respectively. The laboratory chloride concentration was reported as 42 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 Hubbell #10 BGT Closure, June 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)
	Level (NMAC 19.15	.17.13E)	0.2	50	1	00	250
SC-1	6/6/13	0.5	<0.050	<0.25	NA	NA	42

NA - not analyzed

3.0 Conclusions and Recommendations

NMOCD action levels for BGT closures are specified in New Mexico Administrative Code (NMAC) 19.15.17.13E. Field TPH concentrations were below the NMOCD action level of 100 mg/kg, with the highest concentration reported in S-2 with 82.0 mg/kg. Benzene and total BTEX concentrations in SC-1 were below the NMOCD action levels of 0.2 mg/kg and 50 mg/kg, respectively. Chloride concentrations in SC-1 were below the NMOCD action level of 250 mg/kg. Based on field screening and laboratory analytical results for benzene, total BTEX, TPH, and chlorides, no further work is recommended at the Hubbell #10.

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

Sincerely,

Stephanie Lynn, EIT

stephanicoslyn

Elizabeth McNally, P.E.

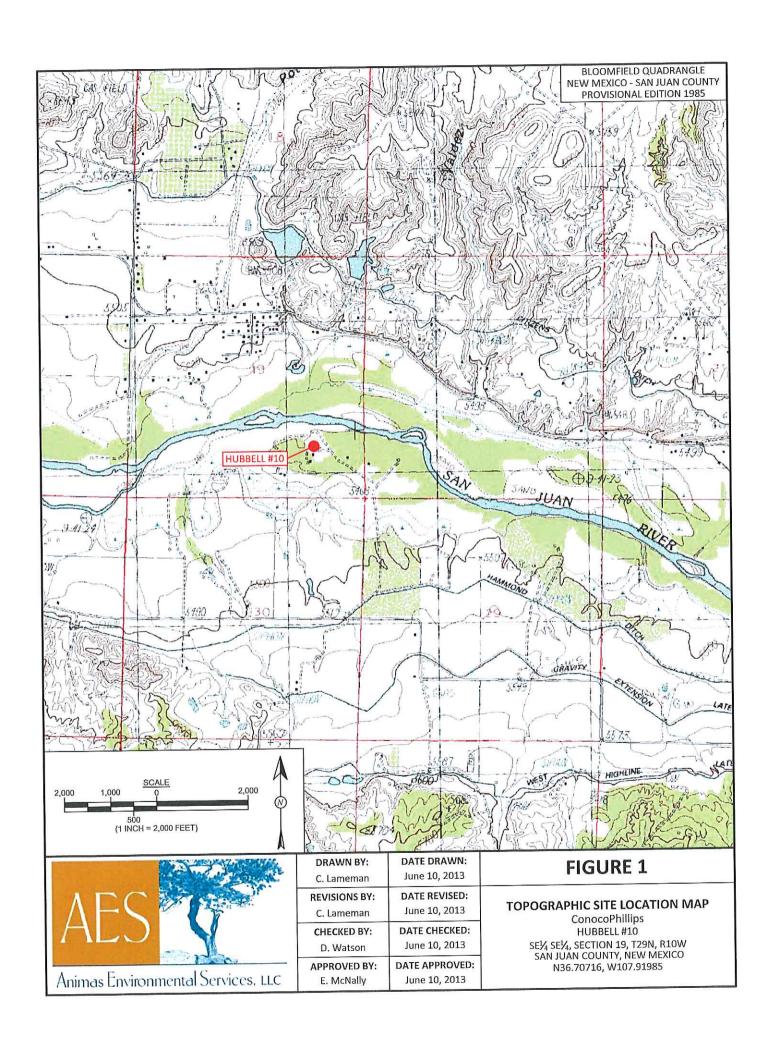
Elizabeth V McNdly

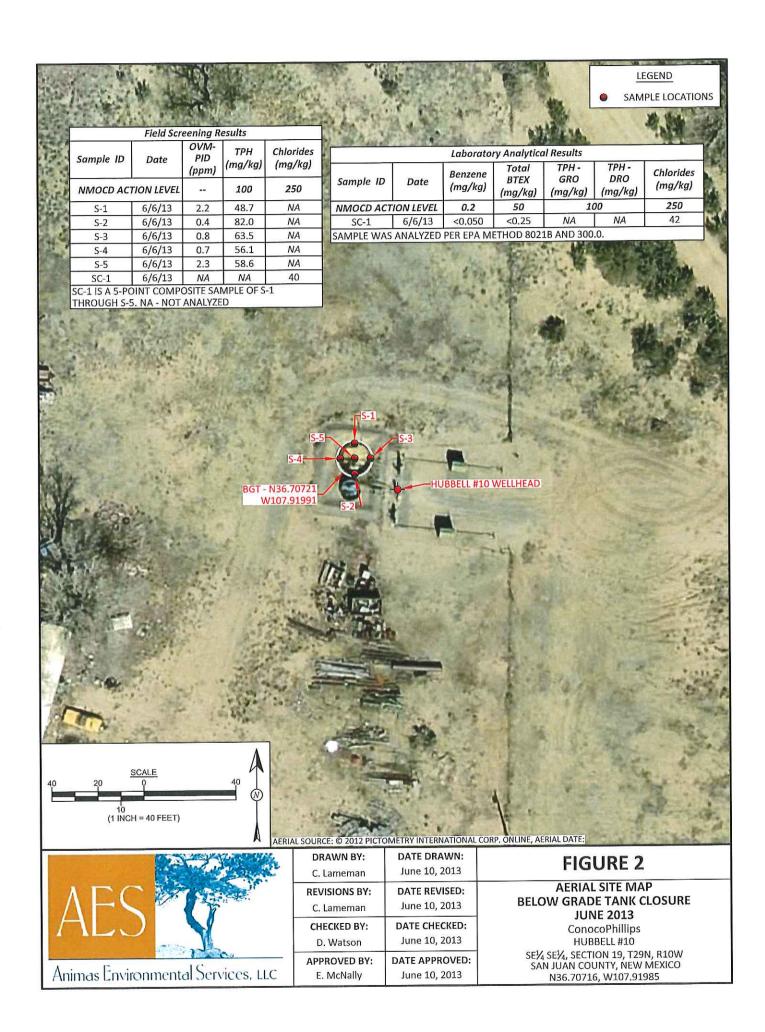
Lisa Hunter Hubbell #10 BGT Closure Report July 22, 2013 Page 5 of 5

Attachments:

Figure 1. Topographic Site Location Map Figure 2. Aerial Site Map, June 2013 AES Field Screening Report 060613 Hall Analytical Report 1306309

R:\Animas 2000\Dropbox\2013 Projects\ConocoPhillips\Hubbell #10\Hubbell #10 BGT Closure Report 072213.docx





AES Field Screening Report

Client: ConocoPhillips

Project Location: Hubbell #10

Date: 6/6/2013

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	6/6/2013	11:50	North	2.2	NA	12:29	48.7	20.0	1	HMW
S-2	6/6/2013	11:52	South	0.4	NA	12:33	82.0	20.0	1	HMW
S-3	6/6/2013	11:54	East	0.8	NA	12:37	63.5	20.0	1	HMW
S-4	6/6/2013	11:56	West	0.7	NA	12:40	56.1	20.0	1	HMW
S-5	6/6/2013	11:58	Center	2.3	NA	12:44	58.6	20.0	1	HMW
SC-1	6/6/2013	12:02	Composite	NA	40	Not Analyzed for TPH.				

Field Chloride - Quantab Chloride Titrators or Drop Count Titration with

Silver Nitrate

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst:

Heather 4 Woods

PQL

Practical Quantitation Limit

ND

Not Detected at the Reporting Limit

NA

Not Analyzed

DF

Dilution Factor

*Field TPH concentrations recorded may be below PQL.

Page 1

Report Finalized: 06/06/13



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

June 10, 2013

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

FAX

RE: Conoco Phillips Hubbell #10

OrderNo.: 1306309

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/7/2013 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 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.

Sincerely,

Andy Freeman

Laboratory Manager

Only

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 1306309

Date Reported: 6/10/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Client Sample ID: SC-1

Project:

Conoco Phillips Hubbell #10

Collection Date: 6/6/2013 12:02:00 PM

Lab ID:

1306309-001

Matrix: SOIL

Received Date: 6/7/2013 10:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.050	mg/Kg	1	6/7/2013 11:32:24 AM	R11163
Toluene	ND	0.050	mg/Kg	1	6/7/2013 11:32:24 AM	R11163
Ethylbenzene	ND	0.050	mg/Kg	1	6/7/2013 11:32:24 AM	R11163
Xylenes, Total	ND	0.10	mg/Kg	1	6/7/2013 11:32:24 AM	R11163
Surr: 4-Bromofluorobenzene	96.2	80-120	%REC	1	6/7/2013 11:32:24 AM	R1116
EPA METHOD 300.0: ANIONS					Analys	: JRR
Chloride	42	30	mg/Kg	20	6/7/2013 12:47:29 PM	7817

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Value above quantitation range E
- Analyte detected below quantitation limits
- RSD is greater than RSDlimit 0
- RPD outside accepted recovery limits

- Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded Η
- Not Detected at the Reporting Limit Sample pH greater than 2 for VOA and TOC only. ND
- RL Reporting Detection Limit

OC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

1306309 WO#:

10-Jun-13

Animas Environmental Client: Conoco Phillips Hubbell #10 Project:

SampType: MBLK Sample ID MB-7817 RunNo: 11185 PBS Batch ID: 7817 Client ID: Units: mg/Kg SeqNo: 316364 Analysis Date: 6/7/2013 Prep Date: 6/7/2013 Qual %RPD **RPDLimit** %REC SPK value SPK Ref Val LowLimit HighLimit PQL Analyte

TestCode: EPA Method 300.0: Anions

58.8

79.5

109

ND 1.5 Chloride

TestCode: EPA Method 300.0: Anions SampType: LCS Sample ID LCS-7817 RunNo: 11185 Batch ID: 7817 Client ID: LCSS

SeqNo: 316365 Units: mg/Kg Analysis Date: 6/7/2013 6/7/2013 Prep Date:

HighLimit %RPD **RPDLimit** Qual %REC LowLimit SPK value SPK Ref Val PQL Result Analyte 110 15.00 14 1.5 Chloride

TestCode: EPA Method 300.0: Anions SampType: MS Sample ID 1306267-001AMS RunNo: 11185 Batch ID: 7817 Client ID: BatchQC Units: mg/Kg SeqNo: 316383 Analysis Date: 6/7/2013 Prep Date: 6/7/2013 Qual **RPDLimit** %RPD %REC LowLimit HighLimit SPK value SPK Ref Val Result PQL Analyte

3.378

TestCode: EPA Method 300.0: Anions Sample ID 1306267-001AMSD SampType: MSD

15.00

RunNo: 11185 Batch ID: 7817 **BatchQC** Client ID:

15

7.5

SeqNo: 316384 Units: mg/Kg Analysis Date: 6/7/2013 Prep Date: 6/7/2013

RPDLimit Qual %RPD SPK value SPK Ref Val %REC LowLimit HighLimit PQL Result Analyte 20 58.8 109 0.888 3.378 80.4 15.00 15 7.5 Chloride

Qualifiers:

Chloride

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

В

Holding times for preparation or analysis exceeded H

Not Detected at the Reporting Limit ND

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

Reporting Detection Limit RL

Analyte detected in the associated Method Blank

Page 2 of 4

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1306309

10-Jun-13

Client:	Animas E	Animas Environmental													
Project:	Conoco P	Conoco Phillips Hubbell #10													
Sample ID	MB-7791	SampT	уре: МЕ	BLK	Test	Code: EF	PA Method	8021B: Volat	iles						
Client ID:	PBS	Batch	ID: R1	1163	R	RunNo: 11163									
Prep Date:	6/6/2013	Analysis D	ate: 6/	7/2013	S	SeqNo: 3	15966	Units: mg/K	g						
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-Bron	nofluorobenzene	0.96		1.000		96.3	80	120							
Sample ID	LCS-7791	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles						
Client ID:	LCSS	Batch	ID: R1	1163	F	RunNo: 1	1163								
Prep Date:		Analysis D	ate: 6/	7/2013	S	SeqNo: 3	15967	Units: mg/K	g						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Benzene		1.1	0.050	1,000	0	107	80	120							
Toluene		1.0	0.050	1.000	0	104	80	120							
Ethylbenzene		1.1	0.050	1.000	0	105	80	120							
Xylenes, Total		3.2	0.10	3.000	0	107	80	120							
70	nofluorobenzene	1.0		1.000		102	80	120							
Sample ID	MR-7791	SampT	ype: MI	BLK	Tes	tCode: E	PA Method	8021B: Volat	tiles						
Client ID:	PBS	The second secon	n ID: 77		F	RunNo: 1	1163								
		Analysis D				SeqNo: 3		Units: %RE	С						
Prep Date:	6/6/2013	Allalysis L	ale. U			VE VENEZA PROGRAMA				DDDI I II	Ovel				
Analyte		Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Surr: 4-Bro	mofluorobenzene	0.96		1.000		96.3	80	120							
Sample ID	LCS-7791	SampT	ype: LC	s	Tes	tCode: E	PA Method	8021B: Vola	tiles						
Client ID:	LCSS	Batch	n ID: 77	91	F	RunNo: 1	1163								
Prep Date:	6/6/2013	Analysis D	Date: 6	/7/2013		SeqNo: 3	15972	Units: %RE	С						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
,	mofluorobenzene	1.0	a	1.000		102	80	120							
Sample ID	1306199-001AMS	Samp	Гуре: М	S	Tes	tCode: E	PA Method	8021B: Vola	tiles						
Client ID:	BatchQC	Batcl	h ID: 77	91	ı	RunNo: 1	11163								
	6/6/2013	/7/2013		SeqNo: 3	315974	Units: %RE	C								
Analyte	00 - 00 - 00 - 00 - 00 - 00 - 00 - 00	Result			SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				

Qualifiers:

Value exceeds Maximum Contaminant Level.

0.97

E Value above quantitation range

Surr: 4-Bromofluorobenzene

- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits

B Analyte detected in the associated Method Blank

80

120

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

100

0.9690

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

Page 3 of 4

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1306309

10-Jun-13

Client:

Animas Environmental

Project:

Conoco Phillips Hubbell #10

Sample ID 1306199-001AMSD

SampType: MSD

TestCode: EPA Method 8021B: Volatiles

BatchQC Client ID:

Batch ID: 7791

RunNo: 11163

6/6/2013 Prep Date:

Analysis Date: 6/7/2013

PQL

SeqNo: 315975 Units: %REC

Analyte

Result

SPK value SPK Ref Val

%REC LowLimit HighLimit

%RPD **RPDLimit** Qual

0

Surr: 4-Bromofluorobenzene

0.98

0.9681

101

120

0

Qualifiers: Value exceeds Maximum Contaminant Level.

Value above quantitation range Е

Analyte detected below quantitation limits J

RSD is greater than RSDlimit 0

RPD outside accepted recovery limits

Analyte detected in the associated Method Blank

Holding times for preparation or analysis exceeded Н

Not Detected at the Reporting Limit ND

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

Reporting Detection Limit RL

Page 4 of 4



гаш Environmental Analysis Laboratory 4901 Hawkins NE

Albuquerque, NM 87109

Sample Log-In Check List

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

Client Name: Animas Environmental Work Order Number		RcptNo: 1		
Received by/date: AT 06/07/17	411			
Logged By: Anne Thorne 6/7/2013 10:00:00 AM		Anne Arma	-	
Completed By: Anne Thorne 6/7/2013		anne Am	_	
Reviewed By: At all 67/13		-		
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			
Log In				
4. Was an attempt made to cool the samples?	Yes 🗸	No 🗆	NA \square	-
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 \square	No 🗹	NA \square	
10.VOA vials have zero headspace?	Yes 🗌	No 🗆	No VOA Vials	
11. Were any sample containers received broken?	Yes	No 🗹	# of preserved	
•		🗂	bottles checked	
12. Does paperwork match bottle labels?	Yes 🗸	No □	for pH: (<2 or >12	unless noted)
(Note discrepancies on chain of custody) 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?	Yes 🗸	No 🗆	Checked by:	
(If no, notify customer for authorization.)				
Special Handling (if applicable)	\Box	N. 🗆	NA 🗹	
16. Was client notified of all discrepancies with this order?	Yes 🗆	No U		
Person Notified: Date	5 SM F-96 F			
By Whom: Via:	eMail	Phone Fax	In Person	
Regarding:				
Client Instructions:	*** *** *** ****	m into equito 3	9	
17. Additional remarks:				
18. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No	Seal Date	Signed By	ľ	8 4 5.
Cooler No. Temp °C Condition: Seal Intact Seal No. 1 1.0 Good Yes	Gébi Date :			9

Turn-Around Time:	A Rush Same day ANAL	Project Name: www.hallenvironmental.com	Conoce Phillips Hubbet # 10 4901 Hawkins NE - Albuquerque, NM 87109	Project #: Tel. 505-345-3975 Fax 505-345-4107	Analysis Request	([†] O)	(802) (8MS) (SMS)	DA(C) H	Styhunte Lynn + TP + TP + TP + TP	-AO JUAG O OL O O	Container Preservative Type and # Type Type and # Type BTEX + MT BTEX + M	MECHANIA TOP WEEK TO Y X X X X X X X X X X X X X X X X X X	in.						allys Supervisors Carlos	Date Time WO: 10346308 Activity God: C200 Man : 22
Chain-of-Custody Record	Animas Emmandel Services		Comanche	87401	228/			Level 4 (Full Validation)			Sample Request ID	5.2-1		8					en Alm	Inquished by:
-of-Cu	FUNDAM		S: 624 E.	Farmington, NM	-495 -505				□ Other		Matrix	প্তি							Reli	8
hain			Mailing Address:			r Fax#:	QA/QC Package:	dard	itation AP	□ EDD (Type)	Time	1202	1						Time:	1
O	Client:		Mailing		Phone #:	email or Fax#:	QA/QC	Standard	Accreditation		Date	16/6/13							Date:	Date: 1



