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.

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.

# Proposed Alternative Method Permit or Closure Plan Application

Santa Fe, NM 87505

Type of action:  Below grade tank registration  Permit of a pit or proposed alternative method  Closure of a pit, below-grade tank, or proposed alternative method  Modification to an existing permit/or registration  Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank, or proposed alternative method  Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternative request	
Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinance.	es.
Operator: Burlington Resources Oil & Gas Company, LP OGRID #:14538  Address:PO BOX 4289, Farmington, NM 87499  Facility or well name: San Juan 30-6 Unit 440  API Number:30-039-24243OCD Permit Number:U/L or Qtr/QtrNSection15Township30N_ Range6WCounty: Rio Arriba  Center of Proposed Design: Latitude38.80866_oN_Longitude107.45330_oW_NAD:1927 \omega 1983  Surface Owner: \omega FederalStatePrivateTribal Trust or Indian Allotment	
Pit: Subsection F, G or J of 19.15.17.11 NMAC   Temporary:	
3.    Below-grade tank: Subsection I of 19.15.17.11 NMAC   Volume:	
4.  Alternative Method:  Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approva	
s.  Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)  Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)  Four foot height, four strands of barbed wire evenly spaced between one and four feet  Alternate. Please specify	

Oil Conservation Division

	Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)	
	Screen Nctting Other	
	Monthly inspections (If netting or screening is not physically feasible)	
	Signs: Subsection C of 19.15.17.11 NMAC	
	12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers	
	Signed in compliance with 19.15.16.8 NMAC	
	s. Variances and Exceptions: Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.	
	Plant check a box if one or more of the following is requested, if not leave blank:	
ď	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 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. ( <b>Does not apply to below grade tanks</b> )  - 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
	<ul> <li>Within an unstable area. (Does not apply to below grade tanks)</li> <li>Engineering measures incorporated into the design; NM Bureau of Geology &amp; Mineral Resources; USGS; NM Geological Society; Topographic map</li> </ul>	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).	☐ Yes ⊠ No
١	- Topographic map; Visual inspection (certification) of the proposed site	
	<ul> <li>Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;</li> <li>NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site</li> </ul>	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	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 N
	1	

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 Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the attached.    Hydrogeologic Report (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 19.15.17.10   Hydrogeologic Data (Temporary and Emergency Pits) - 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 19.15.17.13 NMAC   Previously Approved Design (attach copy of design)   API Number: or Permit Number:	9.15.17.9 NMAC
Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC  Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the 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 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:	`19.15.17.9 NMAC

12.  Paymannt Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC	v that the documents are
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box	a, that the accuments in
attached.	
☐ 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 ☐ Lipper Specifications and Compatibility Assessment - 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 ☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC ☐ Nuisance or Hazardous Odors, including H <sub>2</sub> S, Prevention Plan ☐ Emergency Response Plan	
Monitoring and Inspection Plan	AC
Proposed Closure: 19.15.17.13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.	A 12 II Fluid Management
Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank IN	Multi-well Fluid Management
Proposed Closure Method: Waste Excavation and Removal  Waste Removal (Closed-loop systems only)  On-site Closure Method (Only for temporary pits and closed-loop systems)	
Alternative Closure Method	
closure plan. Please indicate, by a check mark in the box, that the documents are distincted.  ☐ 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  ☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)  ☐ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC  ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC  ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	3 NMAC
Siting Criteria (regarding on-site closure methods only): 19.13.17.10 NWAC	
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
- NM Office of the State Engineer - iWATERS database search; USGS, Data obtained from nearby	□ NA
NM Office of the State Engineer - iWATERS database search, USGS, Data obtained from hearty	□ NA
lake (measured from the ordinary high-water mark).  Topographic map: Visual inspection (certification) of the proposed site	
Visual inspection (certification) of the proposed site, Acrial photo, Saternite image	
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, at the time of initial application.  NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	
Permanent Pits Fermit Amplication Checklist: Subsection 15 (19.15.17.9 million. Pleans Indicate, by a check mark in the bax, that the documents are Intractions: Each of the following times must be attached at the application. Pleans Indicate, by a check mark in the bax, that the documents are Intractions. Each of the following times must be attached.	
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	e Yes 🗆 1
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal	l 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.  Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC  Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC  Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC  Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cann Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC  Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	11 NMAC 15.17,11 NMAC
Operator Application Certification:  I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and bel	
Name (Print): Title:	-
Signature: Date:	
e-mail address: Telephone:	
OCD Approval: Permit Application (including closure plan) Closure Plan (only) COD Conditions (see attachment)  OCD Representative Signature: Approval Date: 04-04	<b>1-2016</b>
Environmental Specialist OCD Roymit Number:	
Title:	
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.	g the closure repor ot complete this
☐ Closure Completion Date:8/23/13	
20.     Closure Method:     ⊠ Waste Excavation and Removal □ On-Site Closure Method □ Alternative Closure Method □ Waste Removal (Closed-III) If different from approved plan, please explain.	loop systems only)
21. Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please it mark in the box, that the documents are attached.  □ Proof of Closure Notice (surface owner and division) □ Proof of Deed Notice (required for on-site closure for private land only) □ Plot Plan (for on-site closures and temporary pits) □ Confirmation Sampling Analytical Results (if applicable) □ Waste Material Sampling Analytical Results (required for on-site closure) □ Disposal Facility Name and Permit Number □ Soil Backfilling and Cover Installation □ Re-vegetation Application Rates and Seeding Technique	'ndicate, by a check

Operator Closure Certification:	
I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.	
Name (Print): Larissa/Farrell Title: Regulatory Technician	
Signature: Date: 3-8-14	
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: San Juan 30-6 Unit 440

API No.: 30-039-24243

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.

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

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

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

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

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

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

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

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

#### A release was not determined for the above referenced well.

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

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

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

#### Notification 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

\* Attach Additional Sheets If Necessary

#### State of New Mexico Energy Minerals and Natural Resources

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

**Release Notification and Corrective Action** 

Form C-141 Revised August 8, 2011

	OPERATOR	Initial	Report     Final Report
Name of Company Burlington Resources Oil & Gas LP	Contact Crystal Walker		
Address 3401 East 30 <sup>th</sup> St, Farmington, NM	Telephone No.(505) 326-9837	7	
Facility Name: San Juan 30-6 Unit 440	Facility Type: Gas Well		
Surface Owner Federal Mineral Owner	•	API No.3	0-039-24243
Burrace of their reaction			
	ON OF RELEASE th/South Line   Feet from the   F	East/West Line (	County
Unit Letter Section Township Range Feet from the Nor N 15 30N 6W 1115	South 1730		Rio Arriba
	66 Longitude <u>-107.45330</u>		
NATUR	E OF RELEASE		
Type of Release	Volume of Release	Volume Re	our of Discovery
Source of Release	Date and Hour of Occurrence	Date and H	out of Discovery
Was Immediate Notice Given?	If YES, To Whom?	till and the second	
☐ Yes ☐ No ☒ Not Require	ed		
By Whom?	Date and Hour	777	
Was a Watercourse Reached?  ☐ Yes ☑ No	If YES, Volume Impacting the	e Watercourse.	
If a Watercourse was Impacted, Describe Fully.*			
N/A			
Describe Cause of Problem and Remedial Action Taken.*			
No release was encountered during the BGT Closure.			
Describe Area Affected and Cleanup Action Taken.*			
N/A			
I hereby certify that the information given above is true and complete t	to the best of my knowledge and und	derstand that pursu	ant to NMOCD rules and
1 .: 11 to a surfined to report and/or file certain releas	e notifications and nerrorm correcti	ive actions for fere	1363 Willell Hay Chamber
public health or the environment. The acceptance of a C-141 report by should their operations have failed to adequately investigate and remove	tiate contamination that bose a lift	at to ground water,	bullace water, muman mount
or the environment. In addition, NMOCD acceptance of a C-141 repo	rt does not relieve the operator of re	esponsibility for con	mpliance with any other
federal, state, or local laws and/or regulations.			
G:	OIL CONS	ERVATION I	DIVISION
Signature:			
	Approved by Environmental Spe	ecialist:	
Printed Name: Larissa Farrell			
Title: Regulatory Technician	Approval Date:	Expiration D	Date:
	C 11.1 C 1		
E-mail Address: Larissa.L.Farrell@cop.com	Conditions of Approval:		Attached
Date: 2-17-16 Phone: (505) 326-9504			



October 23, 2013

Crystal Tafoya ConocoPhillips San Juan Business Unit Office 214-05 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** 

San Juan 30-6 #440

Rio Arriba County, New Mexico

Dear Ms. Tafoya:

Animas Environmental Services, LLC (AES) is pleased to provide the final report associated with the below grade tank (BGT) closure at ConocoPhillips (CoP) San Juan 30-6 #440, located in Rio Arriba 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 – San Juan 30-6 #440
Legal Description – SE¼ SW¼, Section 15, T30N, R6W, Rio Arriba County, New Mexico
Well Latitude/Longitude – N36.80843 and W107.45323, respectively
BGT Latitude/Longitude – N36.80866 and W107.45330, respectively
Land Jurisdiction – Bureau of Land Management (BLM)

Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Map, August 2013

#### 1.2 NMOCD Ranking

Prior to site work, the location was given a ranking score in accordance with 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 cathodic report dated May 1991 states groundwater at 280 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 to the wash in La Jara Canyon is located 760 feet to the east of the location. (10 points)

#### 1.3 BGT Closure Assessment

AES was initially contacted by Fred Martinez, CoP representative, on August 22, 2013, and on August 23, 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 August 23, 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 xylene (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 were reported at 0.0 ppm in each sample. Field TPH concentrations ranged from 105 mg/kg in S-3 up to 195 mg/kg in S-3. The field chloride concentration in SC-1 was 100 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 San Juan 30-6 #440 BGT Closure, August 2013

Sample ID	Date Sampled	Depth below BGT (ft)	VOCs OVM Reading (ppm)	Field TPH (418.1) (mg/kg)	Field Chlorides (mg/kg)
NMOCD Action L	The state of the s	15.17.13E)		100	250
S-1	08/23/13	0.5	0.0	125	NA
S-2	08/23/13	0.5	0.0	116	NA
S-3	08/23/13	0.5	0.0	195	NA
S-4	08/23/13	0.5	0.0	105	NA
S-5	08/23/13	0.5	0.0	110	NA
SC-1	08/23/13	0.5	0.0	NA	100

NA - Not Analyzed

Crystal Tafoya San Juan 30-6 #440 BGT Closure Report October 23, 2013 Page 4 of 5

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 10.0 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 San Juan 30-6 #440 BGT Closure, August 2013

Samula ID	Date Sampled	Depth (ft)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH- GRO (mg/kg)	TPH- DRO (mg/kg)	Chlorides (mg/kg)
Sample ID Date Sampled (ft)  NMOCD Action Level (NMAC 19.15.17.13E)			50 100		00	250	
SC-1	8/23/13	0.5	<0.050	<0.25	<5.0	<10.0	<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 S-1 through S-5, with the highest concentration reported in S-3 at 195 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 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 San Juan 30-6 #440.

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 Reese

**Environmental Scientist** 

David of Reme

Crystal Tafoya San Juan 30-6 #440 BGT Closure Report October 23, 2013 Page 5 of 5

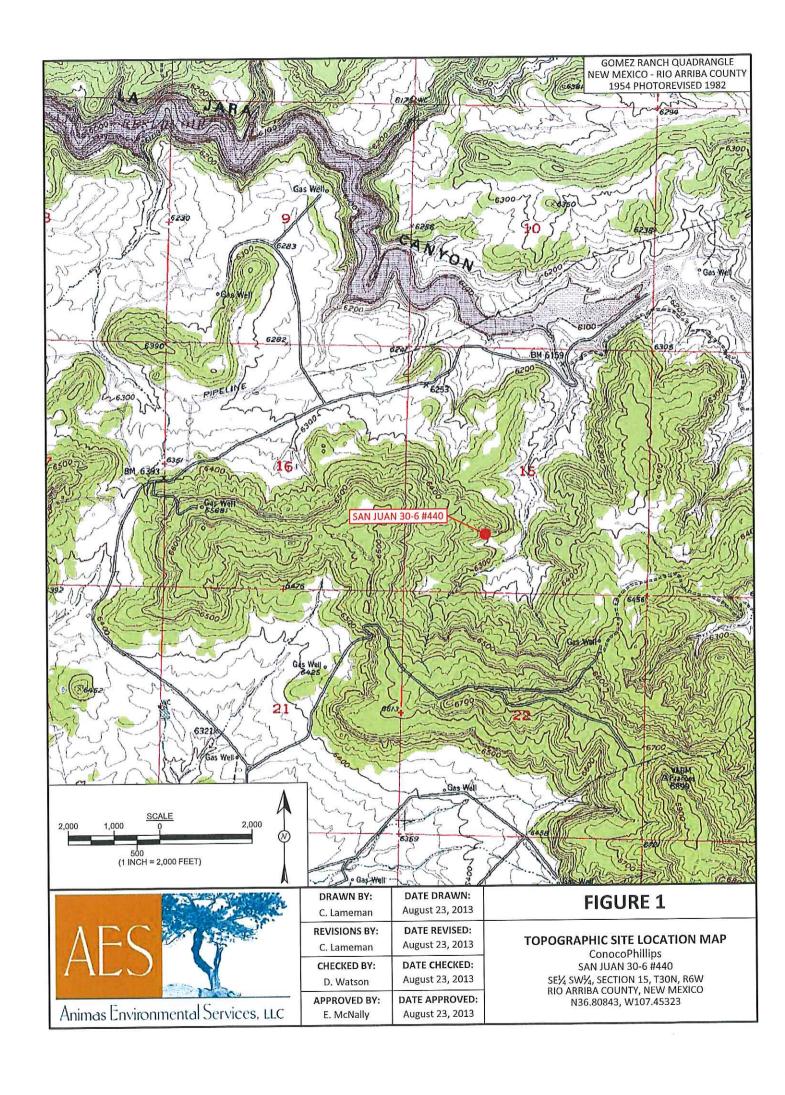
Elizabeth V MiNelly

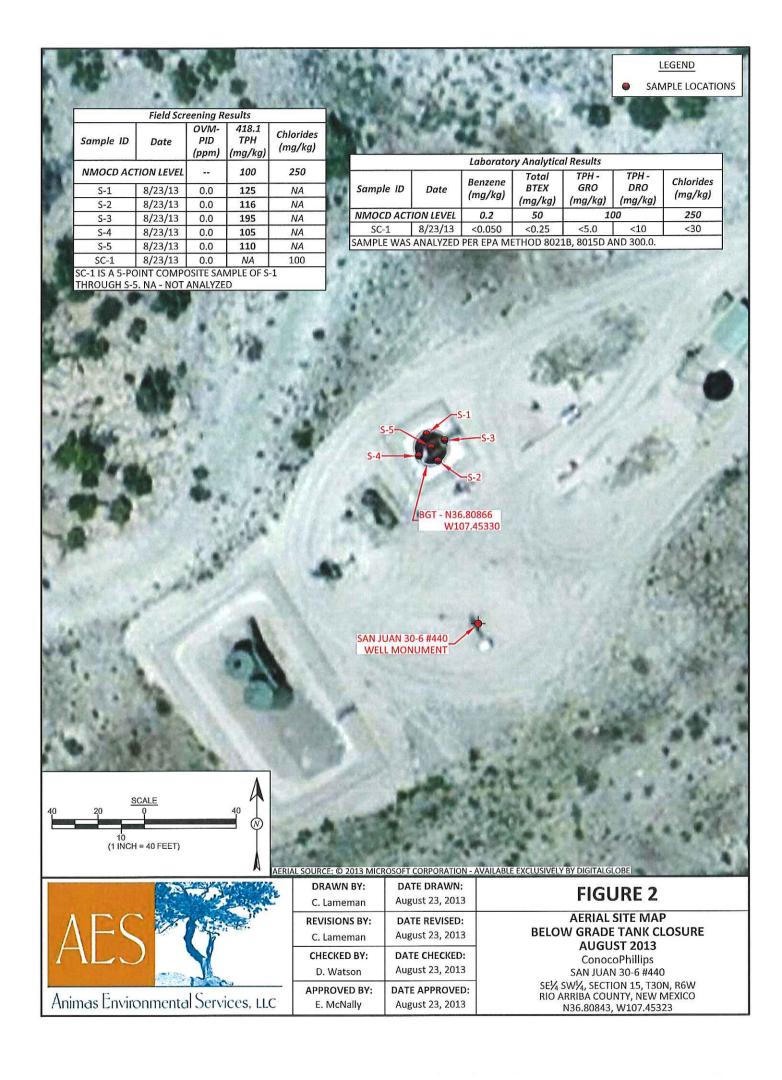
Elizabeth McNally, P.E.

#### Attachments:

Figure 1. Topographic Site Location Map Figure 2. Aerial Site Map, August 2013 AES Field Screening Report 082313 Hall Analytical Report 1308A97

R:\Animas 2000\Dropbox\2013 Projects\ConocoPhillips\SJ 30-6 #440\SJ 30-6 #440 BGT Closure Report 102313.docx





# **AES Field Screening Report**

Client: ConocoPhillips

Project Location: San Juan 30-6 #440

Date: 8/23/2013

Matrix: Soil

Animas Environmental Services, LLC

www.animasenvironmental.com

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

Durango, Colorado 970-405-3084

		_	_			-	
TPH	Analysts Initials	нмм	НММ	нмм	HMW	НММ	
	DF	1	1	1	Н	Н	ЭН.
	TPH PQL (mg/kg)	20.0	20.0	20.0	20.0	20.0	Not Analyzed for TPH.
	Field TPH* (mg/kg)	125	116	195	105	110	Not
Field TPH	Analysis Time	12:11	11:54	11:58	12:01	12:06	
Field	Chloride (mg/kg)	NA	NA	NA	NA	NA	100
=	OVM (ppm)	0.0	0.0	0.0	0.0	0.0	0.0
	Sample Location	North	South	East	West	Center	Composite
Time of	Sample Collection	11:04	11:05	11:06	11:07	11:08	11:10
	Collection Date	8/23/2013	8/23/2013	8/23/2013	8/23/2013	8/23/2013	8/23/2013
	Sample ID	S-1	S-2	S-3	S-4	S-5	SC-1

Dilution Factor PF Not Analyzed ΑN Not Detected at the Reporting Limit Practical Quantitation Limit PQL ND

\*Field TPH concentrations recorded may be below PQL.

Total Petroleum Hydrocarbons - USEPA 418.1 Analyst:

Field Chloride - Quantab Chloride Titrators or Drop Count Titration with

Silver Nitrate



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

August 27, 2013

Debbie Watson
Animas Environmental
624 East Comanche
Farmington, NM 87401

TEL: (505) 486-4071

**FAX** 

RE: CoP San Juan 30-6 #440 OrderNo.: 1308A97

#### Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 8/24/2013 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 <a href="www.hallenvironmental.com">www.hallenvironmental.com</a> 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

Only

4901 Hawkins NE

Albuquerque, NM 87109

#### **Analytical Report**

Lab Order 1308A97

Date Reported: 8/27/2013

#### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Animas Environmental

Client Sample ID: SC-1

Project: CoP San Juan 30-6 #440

Collection Date: 8/23/2013 11:10:00 AM

Matrix: MEOH (SOIL) Lab ID: 1308A97-001

Received Date: 8/24/2013 10:20:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS				Analyst:	BCN
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	8/26/2013 2:31:25 PM	9036
Surr: DNOP	82.1	63-147	%REC	1	8/26/2013 2:31:25 PM	9036
EPA METHOD 8015D: GASOLINE RA	ANGE				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	8/26/2013 11:15:48 AM	R12887
Surr: BFB	88.7	80-120	%REC	1	8/26/2013 11:15:48 AM	R12887
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.050	mg/Kg	1	8/26/2013 11:15:48 AM	R12887
Toluene	ND	0.050	mg/Kg	1	8/26/2013 11:15:48 AM	R12887
Ethylbenzene	ND	0.050	mg/Kg	1	8/26/2013 11:15:48 AM	R12887
Xylenes, Total	ND	0.10	mg/Kg	1	8/26/2013 11:15:48 AM	R12887
Surr: 4-Bromofluorobenzene	102	80-120	%REC	1	8/26/2013 11:15:48 AM	R12887
EPA METHOD 300.0: ANIONS					Analyst	JRR
Chloride	ND	30	mg/Kg	20	8/26/2013 12:26:25 PM	9031

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

- Not Detected at the Reporting Limit  $Page\ 1\ of\ 5$  Sample pH greater than 2 for VOA and TOC only. P
- RL Reporting Detection Limit

#### Hall Environmental Analysis Laboratory, Inc.

WO#:

1308A97

27-Aug-13

Client:

Animas Environmental

Project:

CoP San Juan 30-6 #440

Sample ID MB-9031

SampType: MBLK

TestCode: EPA Method 300.0: Anions

Client ID:

**PBS** 

Batch ID: 9031

**PQL** 

1.5

RunNo: 12909

Prep Date: 8/26/2013

Sample ID LCS-9031

Analysis Date: 8/26/2013

SeqNo: 368253

Units: mg/Kg

Analyte

Result

SPK value SPK Ref Val %REC LowLimit

HighLimit

%RPD **RPDLimit** 

Qual

Chloride

ND

SampType: LCS Batch ID: 9031

TestCode: EPA Method 300.0: Anions

RunNo: 12909

Client ID: LCSS Prep Date: 8/26/2013

Analysis Date: 8/26/2013

SegNo: 368254

Units: mg/Kg

Analyte

**PQL** 

1.5

SPK value SPK Ref Val %REC

LowLimit

HighLimit

**RPDLimit** %RPD

0

91.9

Chloride

110

14

15.00

Qual

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

Reporting Detection Limit

Page 2 of 5

# Hall Environmental Analysis Laboratory, Inc.

WO#:

1308A97

27-Aug-13

Client:

Animas Environmental

Project:

CoP San Juan 30-6 #440

Sample ID MB-9036	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015D: Dies	el Range (	Organics	
Client ID: PBS	Batcl	1 ID: 90	36	F	RunNo: 1	2890				
Prep Date: 8/26/2013	Analysis [	ate: 8/	26/2013	8	SeqNo: 3	67424	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	8.0		10.00		80.2	63	147			
Sample ID LCS-9036	Samp	ype: LC	s	Tes	tCode: E	PA Method	8015D: Dies	el Range	Organics	
8						F2222				

Client ID: LCSS	Batch	ID: 90	36	R	RunNo: 1	2890					
Prep Date: 8/26/2013	Analysis D			S	SeqNo: 3	67425	Units: mg/K	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	47	10	50.00	0	93.7	77.1	128				
Surr: DNOP	4.3		5.000		86.0	63	147				

#### 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
- $P \hspace{0.5cm} \hbox{Sample pH greater than 2 for VOA and TOC only}.$
- RL Reporting Detection Limit

Page 3 of 5

# Hall Environmental Analysis Laboratory, Inc.

WO#:

1308A97 27-Aug-13

Client:

Animas Environmental

Project:

CoP San Juan 30-6 #440

Sample ID MB-9007 MK

SampType: MBLK

TestCode: EPA Method 8015D: Gasoline Range

Client ID:

PBS

Batch ID: R12887

RunNo: 12887

PQL

5.0

SegNo: 367952

Units: mg/Kg

Prep Date:

Analysis Date: 8/26/2013 Result

SPK value SPK Ref Val %REC LowLimit HighLimit

%RPD **RPDLimit** 

%RPD

Qual

Analyte Gasoline Range Organics (GRO) Surr: BFB

ND 880

1000

87.5

120 80

Sample ID LCS-9007 MK

SampType: LCS

TestCode: EPA Method 8015D: Gasoline Range RunNo: 12887

LowLimit

Client ID: LCSS Prep Date:

Batch ID: R12887 Analysis Date: 8/26/2013

PQL

5.0

SeqNo: 367953 %REC

n

Units: mg/Kg

126

120

HighLimit

Qual

Analyte Gasoline Range Organics (GRO) Surr: BFB

Result 25 960

25.00 1000

SPK value SPK Ref Val

101 96.4 74.5 80

**RPDLimit** 

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

Reporting Detection Limit

Page 4 of 5

# Hall Environmental Analysis Laboratory, Inc.

WO#:

1308A97

27-Aug-13

Client:

Animas Environmental

Project:

CoP San Juan 30-6 #440

Sample ID MB-9007 MK	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batch	ı ID: <b>R1</b>	2887	F	RunNo: 1	2887				
Prep Date:	Analysis D	ate: 8/	26/2013	: 8	SeqNo: 3	67992	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-Bromofluorobenzene	1.0		1.000		101	80	120			

Sample ID LCS-9007 MK	Samp	Гуре: <b>LC</b>	s	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batc	h ID: <b>R1</b>	2887	F	RunNo: 1	2887				
Prep Date:	Analysis [	Date: 8/	26/2013	S	SeqNo: 3	67993	Units: mg/k	<b>(</b> 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	103	80	120			
Ethylbenzene	1.0	0.050	1.000	0	104	80	120			
Xylenes, Total	3.2	0.10	3.000	0	105	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		106	80	120			

#### 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 5 of 5



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

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

# Sample Log-In Check List

Client Name:	Animas Environmental	Work Order Number:	1308A97	***************************************	RcptNo:	1
Received by/d Logged By:	ate: AT Michelle Garcia	08/24/13 8/24/2013 10:20:00 AM		Mikell Garu	io	
Completed By	Michelle Garcia	8/24/2013 10:54:30 AM		Mihilli Garu Mihilli Garu	i	
Reviewed By:	ma	08/24/13		94		
Chain of Cu	stody T	v				
1. Custody s	eals intact on sample bottles?		Yes	No :	Not Present	
	f Custody complete?		Yes 🗸	No !	Not Present	
3. How was t	he sample delivered?		Courier			
Log In						
4. Was an a	ttempt made to cool the samples	?	Yes 🗸	No i Ì	NA :	
5. Were all s	amples received at a temperatur	e of >0° C to 6.0°C	Yes 🗸	No · İ	NA !	
6. Sample(s	) in proper container(s)?		Yes i <b>V</b> i	No		
7. Sufficient	sample volume for indicated test	(s)?	Yes 🗸	No :		
8. Are samp	les (except VOA and ONG) prope	erly preserved?	Yes 🗸	No!		
9. Was pres	ervative added to bottles?		Yes i	No 🗸	NA i	
10.VOA vials	have zero headspace?	श स	Yes	No i i	No VOA Vials .	
11. Were any	sample containers received bro	ken?	Yes	No 🗸	# of preserved	
			1		bottles checked	
	erwork match bottle labels? crepancies on chain of custody)		Yes V	No · i į	for pH: (<2	or >12 unless noted)
Maria Service Maria	ces correctly identified on Chain	of Custody?	Yes 🗸	No · '	Adjusted?	
	what analyses were requested?	ana usatroakotaro tauta ♥ 100	Yes 🗸	No !		
15.Were all I	nolding times able to be met? ify customer for authorization.)		Yes 🗸	No	Checked by:	
Special Ha	ndling (if applicable)					8
16.Was clier	nt notified of all discrepancies wit	h this order?	Yes	No 🗄	NA 🗸	
: Per	son Notified:	Date:	An sittle framework and secure	TOTTUCK TOTAL STATE OF THE STAT		ii
Ву	Whom:	Via:	eMail	Phone Fax	In Person	1
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Clie	ent Instructions:	Secretario de la compansión de la compan	THE PARTY OF THE P	a manual		146
17. Addition	al remarks:					
18. Cooler I						
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505-564-2281						1	Analysis		Request	ų.	
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□ Level 4 (Full Validation)	O. Watson			## \@\		(SMIS			6401		
Other St	Sampler: S. Lynn			ক্তা ছ					7000 /	(A	
	Sample Temperature. 3 4			D)			_				
Matrix Sample Request ID T	r Preservative	HEALTHOUS TO BE A COMMENT OF THE PERSON OF T	BTEX + MR	83108 H9T	TPH (Metho	EDB (Metho	RCRA 8 Me	(기국) anoinA loitee역 1808	AOV) 80628	-imə8) 07 <u>5</u> 8	
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San Juan 30-6 Unit 440

