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 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505

or proposed alternative method

State of New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Pit Relow-Grade Tank or

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.

		Tit, Below Grade Talk, or	
13643	Propo	sed Alternative Method Permit or Closure Plan Appli	cation
Type	of action:	sed Alternative Method Permit or Closure Plan Appli Below grade tank registration	OIL CONS. DIV DIST.
39-2	1053	☐ Permit of a pit or proposed alternative method ☐ Closure of a pit, below-grade tank, or proposed alternative method	DEC 01 2015
0 0	1000	☐ Modification to an existing permit/or registration ☐ Closure plan only submitted for an existing permitted or non-permitte	d pit, below-grade tank,

Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternative request

1.	
Operator: ConocoPhillips Company OGRID #: 217817	
Address: PO BOX 4289, Farmington, NM 87499	
Facility or well name: San Juan 29-5 Unit 71	
API Number: <u>30-039-21053</u> OCD Permit Number:	
U/L or Qtr/Qtr M (SWSW) Section 16 Township 29N Range 5W County: Rio Arriba	
Center of Proposed Design: Latitude <u>36.36.720682</u> <u> N Longitude <u>-107.36854</u> <u> N NAD: □1927 □ 1983</u></u>	
Surface Owner: ☐ Federal ☑ State ☐ Private ☐ Tribal Trust or Indian Allotment	
2.	
Pit: Subsection F, G or J of 19.15.17.11 NMAC	
Temporary: Drilling Workover	
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A ☐ Multi-Well Fluid Management Low Chloride Drilling Fluid ☐ yes ☐ no	C.
☐ Lined ☐ Unlined Liner type: Thicknessmil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other	
☐ String-Reinforced	
Liner Seams: Welded Factory Other Volume: bbl Dimensions: L x W x D	
	Nº YE
3. Below-grade tank: Subsection I of 19.15.17.11 NMAC	
Volume: 120 bbl Type of fluid: Produced Water	
Tank Construction material: Metal	
Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off	
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other	
Liner type: Thicknessmil	
4. Alternative Method:	2 1 1
	1
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approximately a	oprovai.
	-11 114
5. Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)	
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)	ıl,

☐ Alternate. Please specify

Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)	
Screen Netting Other_	
☐ Monthly inspections (If netting or screening is not physically feasible)	
7. Signs: Subsection C of 19.15.17.11 NMAC	
12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers	
Signed in compliance with 19.15.16.8 NMAC	
8. Variances and Exceptions: Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.	
Please check a box if one or more of the following is requested, if not leave blank: Variance(s): Requests must be submitted to the appropriate division district for consideration of approval. Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	
9. Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of accematerial are provided below. Siting criteria does not apply to drying pads or above-grade tanks.	eptable 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
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. (Does not apply to below grade tanks) - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. (Does not apply to below grade tanks) - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
 Within an unstable area. (Does not apply to below grade tanks) Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 	☐ Yes ☐ No
Within a 100-year floodplain. (Does not apply to below grade tanks) - FEMA map	☐ Yes ☐ No
Below Grade Tanks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ⊠ No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application.	☐ Yes ☐ No
 Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

With 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 Natructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the docattached. 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:	O NMAC
II.	
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 docattached. 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:	48. 13. 1

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 	
	1.05
Proposed Closure: 19.15.17.13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.	
Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Multi-well F Alternative Proposed Closure Method: Waste Excavation and Removal	luid Management Pit
☐ Waste Removal (Closed-loop systems only)	
☐ On-site Closure Method (Only for temporary pits and closed-loop systems) ☐ In-place Burial ☐ On-site Trench Burial ☐ Alternative Closure Method	
Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	
15. Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC	The Art of
Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable south provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. In 19.15.17.10 NMAC for guidance.	
Ground water is less than 25 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
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	

Form C-144 Oil Conservation Division Page 4 of 6

A	
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 	
Within a 100-year floodplain.	☐ Yes ☐ No
- 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 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 Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	11 NMAC 15.17.11 NMAC
17. Operator Application Certification:	y est 18
I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and beli	ef.
Name (Print): Title:	
Signature: Date:	
e-mail address:	
18. OCD Approval: ☐ Permit Application (including closure plan) ☐ Closure Plan (only) ☐ OCD Conditions (see attachment)	The soul Ass
	- IVVIZ
OCD Representative Signature: Approval Date: 12119 Title: OCD Permit Number:	2/0010
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. Closure Completion Date: 8/23/2013	
20. Closure Method: Waste Excavation and Removal □ On-Site Closure Method □ Alternative Closure Method □ Waste Removal (Closed-lo □ If different from approved plan, please explain.	op systems only)
Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please incommark 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 Site Reclamation (Photo Documentation) On-site Closure Location: Latitude NAD: 1927 1983	dicate, by a check

. / CI	California			
	re Certification:			
				urate and complete to the best of my knowledge and ons specified in the approved closure plan.
ellel. I also cert	my that the closure complies	with an applicable closure	requirements and condition	ons specified in the approved closure plan.
Name (Print):	Crystal Walker	Title: Reg	ulatory Coordinator	
Signature:	1	al Walk	Date:	12/1/2015
rightature	70	200000	Dutc.	
	crystal.walker@cop.com	Telephone: (505)	326-9837	

Form C-144 Oil Conservation Division Page 6 of 6



ConocoPhillips Company San Juan Basin Below Grade Tank Closure Report

Lease Name: San Juan 29-5 Unit 71

API No.: 30-039-21053

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:

COPC 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, COPC 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.

COPC 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. COPC 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 COPC 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.

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



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

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

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

A release was not determined for the above referenced well.

If the sampling program demonstrates that a release has not occurred or that any release does not exceed the
concentrations specified in Table I of 19.15.17.13 NMAC, then COPC 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 of closure was not provided to the Aztec Division office between 72 hours and one week prior to closure.

9. The surface owner shall be notified of COPC'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. COPC 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.

and the

Provision 11 was accomplished per the above reference stipulations on 3/10/2014

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 (Not Available)

Closure documentation was provided as soon as possible.

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

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 Initial Repo						
Name of C	ompany C	onocoPhillips	Compan	у	(Contact Crystal Walker						
Contract to the second		th St, Farming		1		Telephone No.(505) 326-9837						
Facility Na	me: San Ju	ıan 29-5 Uni	it 71]	Facility Typ	e: Gas Well				100	
Surface Ov	vner State			Mineral (Owner S	tate	THE PARTY		API No	.30-039-21	1053	
				LOC	ATION	OF RE	LEASE					
Unit Letter M	Section 16	Township 29N	Range 5W	Feet from the 800		South Line	Feet from the 970		West Line West	County Rio Arrib	a	
		2211					de -107.36854		11000	111011111		
						OF REL						
Type of Rele	ease					Volume of			Volume l	Recovered		EST.T
Source of Re							Hour of Occurren	nce		Hour of Dis	covery	
Was Immediate Notice Given?					If YES, To	Whom?						
Was Illined	into i totice c		Yes [No Not R	equired	11 125, 10	, whom:					
By Whom?						Date and I	Hour		11111	71.3-1		
Was a Water	rcourse Read					If YES, V	olume Impacting	g the Wat	ercourse.		12	
			es ⊠ 1	No								
		ered during t										
regulations a public health should their or the enviro	or the environment. In a	are required to ronment. The ave failed to a	report ar acceptant dequately CD accep	is true and comp id/or file certain to of a C-141 rep investigate and a tance of a C-141	release no ort by the remediate	otifications a NMOCD m contamination	nd perform corre arked as "Final on that pose a th	ective act Report" or reat to g	ions for rel does not rel round wate	eases which ieve the oper r, surface wa	may er rator of ster, hu	ndanger liability man health
Signature:	3	fal a	Val	ku			OIL CON			DIVISIO	<u>N</u>	
Printed Nam	e: Crystal V	Valker			A	Approved by	Environmental	Specialis	t:	H Ash		
Title: Regul	latory Coor	dinator			A	Approval Da	te:	1	Expiration	Date:		
E-mail Addr	ess: crysta	l.walker@cop.	com			Conditions of Approval:			Attached			
Date: /2/ Attach Add		Phone: (505)		7								



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

November 06, 2015

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

FAX

RE: COPC SJ 29-5 Unit 71

OrderNo.: 1510E45

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 1 sample(s) on 10/30/2015 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 1510E45

Date Reported: 11/6/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Project: COPC SJ 29-5 Unit 71

Lab ID: 1510E45-001

Client Sample ID: BGT S-1

Collection Date: 10/29/2015 11:57:00 AM

Received Date: 10/30/2015 7:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analyst:	том
Petroleum Hydrocarbons, TR	ND	20	mg/Kg	1	11/2/2015	22098
EPA METHOD 300.0: ANIONS					Analyst:	LGT
Chloride	ND	30	mg/Kg	20	11/4/2015 12:05:13 PM	22180
EPA METHOD 8015M/D: DIESEL RANGE	ORGANIC	S			Analyst:	KJH
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	11/2/2015 5:11:31 PM	22099
Surr: DNOP	99.5	70-130	%REC	1	11/2/2015 5:11:31 PM	22099
EPA METHOD 8015D: GASOLINE RANG	E				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	11/2/2015 10:20:18 AM	22101
Surr: BFB	89.0	75.4-113	%REC	1	11/2/2015 10:20:18 AM	22101
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.050	mg/Kg	1	11/2/2015 10:20:18 AM	22101
Toluene	ND	0.050	mg/Kg	1	11/2/2015 10:20:18 AM	22101
Ethylbenzene	ND	0.050	mg/Kg	1	11/2/2015 10:20:18 AM	22101
Xylenes, Total	ND	0.10	mg/Kg	1	11/2/2015 10:20:18 AM	22101
Surr: 4-Bromofluorobenzene	107	80-120	%REC	1	11/2/2015 10:20:18 AM	22101

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 6
- P Sample pH Not In Range
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#:

1510E45

06-Nov-15

Client: Project:

Animas Environmental COPC SJ 29-5 Unit 71

Sample ID MB-22180

SampType: MBLK

TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 22180

RunNo: 30017

Units: mg/Kg

%RPD

%RPD

Prep Date: 11/4/2015

SeqNo: 914569

Analysis Date: 11/4/2015

PQL

SPK value SPK Ref Val %REC LowLimit

HighLimit

RPDLimit

Qual

Chloride

ND 1.5

Result

Sample ID LCS-22180

SampType: LCS

Batch ID: 22180

1.5

TestCode: EPA Method 300.0: Anions

RunNo: 30017

Prep Date: 11/4/2015

Client ID: LCSS

Analysis Date: 11/4/2015

SeqNo: 914570

Units: mg/Kg

Analyte

PQL

SPK value SPK Ref Val %REC

LowLimit HighLimit **RPDLimit**

Qual

Chloride

14

15.00

0

92.2

110

Qualifiers:

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix D

H Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit ND

R RPD outside accepted recovery limits

S % Recovery outside of range due to dilution or matrix B Analyte detected in the associated Method Blank

Value above quantitation range E

Analyte detected below quantitation limits

Page 2 of 6

Sample pH Not In Range

Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#:

1510E45

06-Nov-15

Client: Project:

Analyte

Animas Environmental COPC SJ 29-5 Unit 71

Sample ID MB-22098

SampType: MBLK

TestCode: EPA Method 418.1: TPH

Client ID: PBS Batch ID: 22098

RunNo: 29946

Prep Date: 10/30/2015

Analysis Date: 11/2/2015

PQL

SeqNo: 912007

Units: mg/Kg

%RPD **RPDLimit** HighLimit

Qual

Petroleum Hydrocarbons, TR

ND 20

Sample ID LCS-22098

SampType: LCS

Analysis Date: 11/2/2015

TestCode: EPA Method 418.1: TPH

Client ID: LCSS Prep Date: 10/30/2015 Batch ID: 22098

Result

RunNo: 29946

SPK value SPK Ref Val %REC LowLimit

SeqNo: 912008

Units: mg/Kg

116

RPDLimit

Analyte Petroleum Hydrocarbons, TR

Client ID: LCSS02

PQL Result 100

SPK value SPK Ref Val 100.0

100.0

%REC LowLimit 105

HighLimit 83.6

%RPD

Qual

Sample ID LCSD-22098

SampType: LCSD Batch ID: 22098

RunNo: 29946

SeqNo: 912009

TestCode: EPA Method 418.1: TPH

Units: mg/Kg

Qual

Analyte Petroleum Hydrocarbons, TR

Prep Date: 10/30/2015 Analysis Date: 11/2/2015

Result

110

PQL

20

20

SPK value SPK Ref Val %REC LowLimit

106

%RPD HighLimit 116 1.37

RPDLimit

Page 3 of 6

Qualifiers:

S

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- Holding times for preparation or analysis exceeded H

% Recovery outside of range due to dilution or matrix

- Not Detected at the Reporting Limit ND
- R RPD outside accepted recovery limits

- E Value above quantitation range
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Detection Limit

Analyte detected in the associated Method Blank

Hall Environmental Analysis Laboratory, Inc.

WO#: 15

1510E45

06-Nov-15

Client: Animas Environmental
Project: COPC SJ 29-5 Unit 71

Sample ID MB-22099 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 22099 RunNo: 29944 Units: mg/Kg Prep Date: 10/30/2015 Analysis Date: 11/2/2015 SeqNo: 911989 Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) ND 10 Surr: DNOP 70 10 10.00 103 130 TestCode: EPA Method 8015M/D: Diesel Range Organics Sample ID LCS-22099 SampType: LCS

Client ID: LCSS Batch ID: 22099 RunNo: 29944 Prep Date: 10/30/2015 Analysis Date: 11/2/2015 SeqNo: 911990 Units: mg/Kg Result SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 49 10 50.00 0 97.2 57.4 139 Surr: DNOP 5.000 109 70 130 5.5

Sample ID MB-22117 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 22117 RunNo: 29954 Prep Date: 11/2/2015 Analysis Date: 11/3/2015 SegNo: 912719 Units: %REC Analyte SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Surr: DNOP 12 10.00 125 130

Sample ID LCS-22117 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 22117 RunNo: 29954 Prep Date: 11/2/2015 Analysis Date: 11/3/2015 SeqNo: 912857 Units: %REC Analyte Result POI SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Surr: DNOP 6.4 5.000 129 70 130

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit

Page 4 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#:

1510E45

06-Nov-15

Client: Project: Animas Environmental COPC SJ 29-5 Unit 71

Sample ID MB-22101

SampType: MBLK

TestCode: EPA Method 8015D: Gasoline Range

Client ID:

PBS

Batch ID: 22101

RunNo: 29948

Prep Date: 10/30/2015

SegNo: 912089

Units: mg/Kg

Analyte

Surr: BFB

Client ID:

Analysis Date: 11/2/2015 PQL

5.0

%REC

HighLimit

113

Qual

Gasoline Range Organics (GRO)

LCSS

Prep Date: 10/30/2015

ND 870

SPK value SPK Ref Val

86.8

RPDLimit

Result

1000

75.4 TestCode: EPA Method 8015D: Gasoline Range

LowLimit

%RPD

%RPD

Sample ID LCS-22101

SampType: LCS Batch ID: 22101

Analysis Date: 11/2/2015

RunNo: 29948 SeqNo: 912090

%REC

Units: mg/Kg

Gasoline Range Organics (GRO) Surr: BFB

Result 26 PQL SPK value SPK Ref Val 5.0

25.00 1000 104

79.6 75.4

LowLimit

RPDLimit Qual

940

94.3

122 113

HighLimit

Qualifiers:

S

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded

% Recovery outside of range due to dilution or matrix

- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

- Analyte detected in the associated Method Blank B
- Value above quantitation range
- Analyte detected below quantitation limits
- Sample pH Not In Range
- Reporting Detection Limit

Page 5 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#:

1510E45

06-Nov-15

Client: Animas Environmental COPC SJ 29-5 Unit 71 Project:

Sample ID MB-22101	SampType: MBLK Batch ID: 22101			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS				F	RunNo: 2	9948				
Prep Date: 10/30/2015	Analysis [Date: 1	1/2/2015	8	SeqNo: 9	12121	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050							YII OL	
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Kylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		105	80	120			

Sample ID LCS-22101	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batc	h ID: 22	101	F	RunNo: 29948					
Prep Date: 10/30/2015	Analysis Date: 11/2/2015			SeqNo: 912122			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	112	80	120			
Toluene	1.0	0.050	1.000	0	101	80	120			
Ethylbenzene	0.99	0.050	1.000	0	99.2	80	120			
Xylenes, Total	3.0	0.10	3.000	0	99.2	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		111	80	120			

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- R RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Detection Limit

Page 6 of 6



Holl Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

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

Sample Log-In Check List

Client Name: Animas Environmental Work Order Number	er: 1510E45		RoptNo: 1
Received by/date: 10/30/15			
Logged By: Lindsay Mangin 10/30/2015 7:00:00	AM	July Hago	
Completed By: Lindsay Mangin 10/30/2015 9:16:21	AM	ANH HOOD	
Reviewed By: 24 10/30/15	í	000	
70 (1/10/1)			
Chain of Custody	Yes 🗌	No 🗆	Not Present ✓
Custody seals intact on sample bottles?	Yes 🗸	No 🗆	Not Present
2. Is Chain of Custody complete?		110 L	THE THOUSANT CO
3. How was the sample delivered?	Courier		
Log In			
4. Was an attempt made to cool the samples?	Yes 🗸	No 🗆	NA 🗆
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes 🗹	No 🗆	NA L
6. Sample(s) in proper container(s)?	Yes 🗹	No 🗆	
7. Sufficient sample volume for indicated test(s)?	Yes 🗹	No 🗆	
8, Are samples (except VOA and ONG) properly preserved?	Yes 🗸	No 🗆	
9. Was preservative added to bottles?	Yes	No 🗸	NA 🗆
10.VOA vials have zero headspace?	Yes	No 🗆	No VOA Vials
11. Were any sample containers received broken?	Yes -	No 🗸	# of preserved
		🖂	bottles checked
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes 🔽	No	for pH: (<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes 🗸	No 🗆	Adjusted?
14. Is it clear what analyses were requested?	Yes 🗸	No 🗆	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes 🗹	No 🗆	Checked by:
Special Handling (if applicable)			
16. Was client notified of all discrepancies with this order?	Yes	No 🗆	NA 🗹
Person Notified: Date			
By Whom: Via:	eMail	Phone Fax	☐ In Person
Regarding:			
Client Instructions:			
17. Additional remarks:			
18. Cooler Information	Cool Data	Claned D.	
Cooler No Temp °C Condition Seal Intact Seal No 1 3.6 Good Yes	Seal Date	Signed By	

Cilent: Animas Environmental Services, LLC A Standard			stody Record	Turn-Around	Time:		HALL ENVIRONMENTAL										
Mailing Address: 604 W Pinon St. Farmington, NM 87401 Project #: Project #: Email or Fax#: eskyles@animasenvironmental.com QA/QC Package: X Standard Level 4 (Full Validation) Accreditation: NELAP Office: Sampler: Office: Preservative Type and # Preservative Type HEAL No. Type Www.nalienvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 Analysis Request (OWO) OVO OV	Client: Animas E	nvironm	nental Services, LLC			h				AN	IAL	YSI	SL	ABO	RAT	OR	Y
Farmington, NM 87401 Phone #: 505-564-2281 Email or Fax#: eskyles@animasenvironmental.com QA/QC Package: X Standard Accreditation: Date Time Matrix Sample Request ID Container Type and # Project #: Tel. 505-345-3975 Fax 505-345-4107 Analysis Request Fax 505-345-4107 Analysis Request For ice: QA/QC Package: X Standard Date Time Matrix Sample Request ID Container Type and # Preservative Type HEAL No. Type HEAL No. Type HEAL No. Type HEAL No. Type Tel. 505-345-4107 Analysis Request Fax 505-345-4107 Analysis				Project Name.			7			W	ww.ha	llenvir	ronmer	ntal.com	n		
Phone #: 505-564-2281 Email or Fax#: eskyles@animasenvironmental.com QA/QC Package: X Standard	Mailing Address:	604 W	/ Pinon St.		COPC SJ 29	9-5 Unit 71	-	49	01 H	awkin	s NE	Albu	querq	ue, NM	87109		
Email or Fax#: eskyles@animasenvironmental.com QA/QC Package: X Standard Level 4 (Full Validation) Accreditation: NELAP Date Time Matrix Sample Request ID Container Type Type HEAL No. Type		Farmin	ngton, NM 87401	Project #:				Te	1. 50	5-345	- 200	-			107		
Date Time Matrix Sample Request ID Container Type and # Preservative Type Type The At No. Type Type Type The At No. Type Type Type Type Type Type Type Type	Phone #: 505-56	4-2281								4	An	alysis	Requ	est			
X Standard	Email or Fax#: es	kyles@anii	imasenvironmental.com	Project Manag	ger:												
B B B B B B B B B B B B B B B B B B B			☐ Level 4 (Full Validation)		E. Skyles		3			JRO)							
B B E B B E					,					000							
B B E B B E		□ Other	er			- Control of the Cont				9	-1-						Ê
B B B B B B B B B B B B B B B B B B B	L EDD (Type)	1		Sample Hemis			В	8.1	90.0	015				11			o -
16-29-15 1(5-7) SOIL BGT S-1 2-4 oz. cool -OOI X X X X X	Date Time	Matrix	Sample Request ID				BTEX - 8021	TPH - EPA 41	Chlorides - 3	TPH - EPA 8							Air Bubbles (Y or N)
	10-29-15 1157	SOIL	BGT S-1	2 - 4 oz.	cool	-001		X	х								
			170											H			+
									46.7					1			
Date: Time: Relinquished by: O 29/15 1909		1	hed by:	// /	lost	18/201 - 100	WO Sup	# ervis	or: (Clayto							
Date: Time: Relinquished by: Date Time USERID: BENALE Area: 25 Ordered by: If necessary, samples submitted to Hall Environmental may be subcontracted to bither accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.	10/29/15 1941	Ahn	not Walte	Y W		30/15 0700	Area	a: 25 ered	by:								

September 9, 2013

Crystal Tafoya ConocoPhillips San Juan Business Unit Office 214-05 5525 Hwy 64 Farmington, New Mexico 87401

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

RE: Below Grade Tank Closure Report

San Juan 29-5 #71

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 29-5 #71, 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 29-5 #71

Legal Description – SW¼ SW¼, Section 16, T29N, R5W, Rio Arriba County, New Mexico Well Latitude/Longitude – N36.72068 and W107.36855, respectively BGT Latitude/Longitude – N36.72054 and W107.36844, respectively Land Jurisdiction – State

Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Map, August 2013

1.2 Depth to Groundwater Determination (NMAC 19.15.17.13 Table 1)

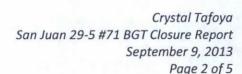
Prior to site work, the New Mexico Oil Conservation Division (NMOCD) database was reviewed, and a cathodic report dated February 1992 for the San Juan 29-5 #71 reported the depth to groundwater as 90 feet below ground surface (bgs). AES personnel further assessed the depth to water determination using topographical interpretation, Global Positioning System (GPS) elevation readings, and visual



www.animasenvironmental.com

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

> Durango, Colorado 970-403-3084



reconnaissance. AES personnel concluded that depth to groundwater at the site was between 50 and 99 feet bgs.

1.3 BGT Closure Assessment

AES was initially contacted by Freddie Martinez, CoP representative, on August 15, 2013, and on the same day, Kelsey Christiansen and Jesse Christopherson 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 15, 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 photoionization detector (PID) organic vapor meter (OVM). Before beginning field screening, the PID-OVM was first calibrated with 100 parts per million (ppm) isobutylene gas.

2.1.2 Total Petroleum Hydrocarbons

Soil samples were also analyzed in the field for TPH per 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 ranged from 0.0 ppm in S-1 up to 5.7 ppm in SC-1. Field TPH concentrations ranged from 109 mg/kg in S-5 up to 159 mg/kg in S-2. The field chloride concentration in SC-1 was 20 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 29-5 #71 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 (NMAC 19.15.17	Action Level 7.13 Table 1)		2,500	600*
S-1	8/15/13	0.5	0.0	115	NA
S-2	8/15/13	0.5	0.1	159	NA
S-3	8/15/13	0.5	0.5	110	NA
S-4	8/15/13	0.5	1.5	117	NA
S-5	8/15/13	0.5	3.0	109	NA
SC-1	8/15/13	0.5	5.7	NA	20

^{*}Action Level for chlorides is based on reclamation standard as outlined within NMAC 19.15.17.13H(2); NA - not analyzed

Laboratory analytical results reported benzene and total BTEX concentrations in SC-1 as less than 0.050 mg/kg and 0.25 mg/kg, respectively. TPH concentrations as GRO and DRO were reported at less than 5.0 mg/kg and 10 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 29-5 #71 BGT Closure, August 2013

	1784			Total	TPH-	TPH-	
Sample ID	Date Sampled	Depth (ft)	Benzene (mg/kg)	BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	Chlorides (mg/kg)
NMA	NMOCD Acti C 19.15.17.13	and the second second	10	50	1,0	000	600*
SC-1	8/15/2013	0.5	<0.050	<0.25	<5.0	<10	<30

^{*}Action Level for chlorides is based on reclamation standard as outlined within NMAC 19.15.17.13H(2); NA - not analyzed

3.0 Conclusions and Recommendations

NMOCD action levels for BGT closures are specified in New Mexico Administrative Code (NMAC) 19.15.17.13 Table 1. Field TPH concentrations were below the NMOCD action level of 2,500 mg/kg, with the highest concentration reported in S-2 with 159 mg/kg. Laboratory analytical results for TPH (as GRO/DRO) in SC-1 were reported below the NMOCD action level of 1,000 mg/kg, and benzene and total BTEX concentrations in SC-1 were below the NMOCD action levels of 10 mg/kg and 50 mg/kg, respectively. Chloride concentrations in SC-1 were below the NMOCD action level of 600 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 29-5 #71.

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

Dail g Rem

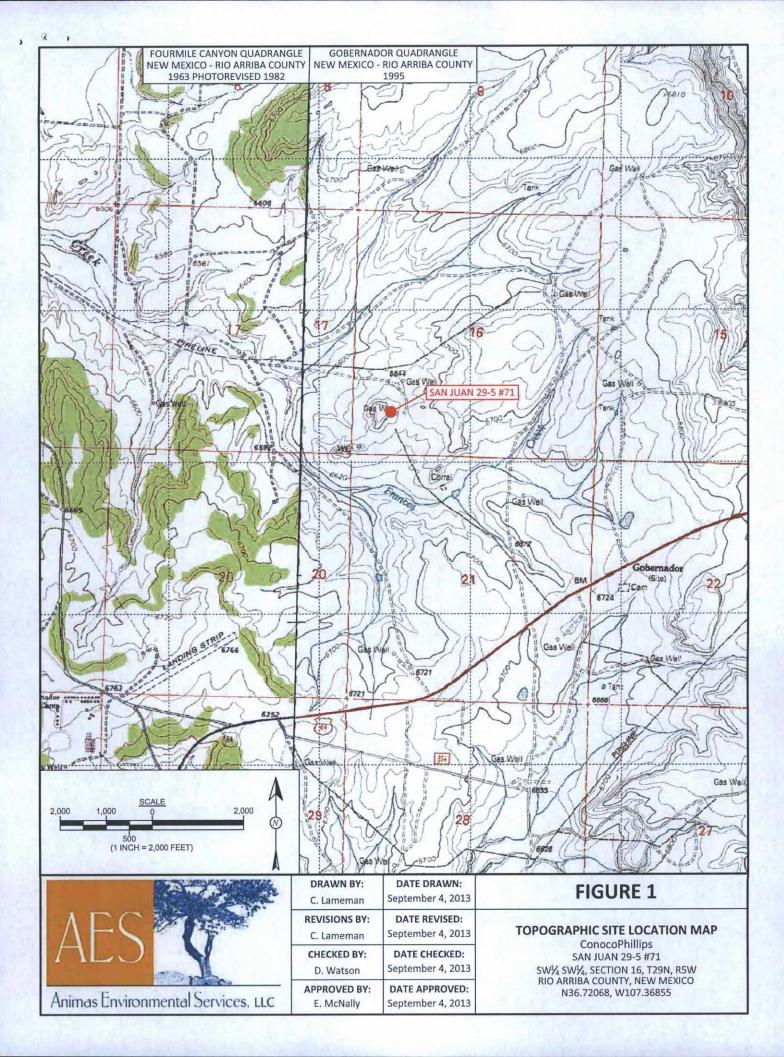
Crystal Tafoya San Juan 29-5 #71 BGT Closure Report September 9, 2013 Page 5 of 5

Elizabeth McNally, P.E.

Attachments:

Figure 1. Topographic Site Location Map Figure 2. Aerial Site Map, August 2013 AES Field Screening Report 081513 Hall Analytical Report 1308718

R:\Animas 2000\Dropbox\2013 Projects\ConocoPhillips\SJ 29-5 #71\SJ 29-5 #71 BGT Closure Report 090913.docx



LEGEND

SAMPLE LOCATIONS

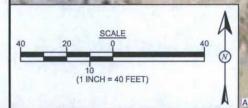
	Field Scr	eening R	esults	12	
Sample ID	Date	Date OVM- PID 418.1 TPH (ppm) (ppm) (mg/kg)			
NMOCD AC	TION LEVEL	-	2,500	600	
S-1	8/15/13	0.0	115	NA	
S-2	8/15/13	0.1	159	NA	
S-3	8/15/13	0.5	110	NA	
S-4	8/15/13	1.5	117	NA	
S-5	8/15/13	3.0	108	NA	
SC-1	8/15/13	5.7	NA	20	

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

		Laborato	ry Analytica	l Results		
Sample ID	Date	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)	Chlorides (mg/kg)
NMOCD ACT	TON LEVEL	10	50	1,0	000	600
SC-1	8/15/13	<0.050	<0.25	<5.0	<10	<30
SC-1	8/15/13 ANALYZED	<0.050 PER EPA M	<0.25 ETHOD 802	1.00	<10 ND 300.0.	







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

100	
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A . E .	IC :
Animas Environi	mental Services, LLC

DRAWN BY:	DATE DRAWN:
C. Lameman	September 4, 2013
REVISIONS BY:	DATE REVISED:
C. Lameman	September 4, 2013
CHECKED BY:	DATE CHECKED:
D. Watson	September 4, 2013
APPROVED BY:	DATE APPROVED:
E. McNally	September 4, 2013

AERIAL SITE MAP BELOW GRADE TANK CLOSURE AUGUST 2013 ConocoPhillips

FIGURE 2

SAN JUAN 29-5 #71
SW¼ SW¼, SECTION 16, T29N, R5W
RIO ARRIBA COUNTY, NEW MEXICO
N36.72068, W107.36855

AES Field Screening Report

Client: ConocoPhillips

Project Location: San Juan 29-5 #71

Date: 8/15/2013

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	8/15/2013	11:45	North	0.0	NA	12:22	115	20.0	1	КС
S-2	8/15/2013	11:48	South	0.1	NA	12:25	159	20.0	1	КС
S-3	8/15/2013	11:50	East	0.5	NA	12:28	110	20.0	1	КС
S-4	8/15/2013	11:51	West	1.5	NA	12:32	117	20.0	1	KC
S-5	8/15/2013	11:53	Center	3.0	NA	12:34	109	20.0	1	КС
SC-1	8/15/2013	11:57	Composite	5.7	20		Not	Analyzed for TH	PH.	

Field Chloride - Quantab Chloride Titrators or Drop Count Titration with

Silver Nitrate

Total Petroleum Hvdrocarbons - USEPA 418.1

Analyst:

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.



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

August 20, 2013

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

FAX

RE: CoP San Juan 29-5 #71

OrderNo.: 1308718

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 8/16/2013 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

mas Environmental Client Sample ID: SC-1

 Project:
 CoP San Juan 29-5 #71
 Collection Date: 8/15/2013 11:57:00 AM

 Lab ID:
 1308718-001
 Matrix: MEOH (SOIL)
 Received Date: 8/16/2013 10:07:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	GE ORGANICS				Analyst	JME
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	8/16/2013 1:45:14 PM	8897
Surr: DNOP	77.6	63-147	%REC	1	8/16/2013 1:45:14 PM	8897
EPA METHOD 8015D: GASOLINE R	ANGE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	8/16/2013 11:10:13 AM	R12677
Surr: BFB	85.6	80-120	%REC	1	8/16/2013 11:10:13 AM	R12677
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.050	mg/Kg	1	8/16/2013 11:10:13 AM	R12677
Toluene	ND	0.050	mg/Kg	1	8/16/2013 11:10:13 AM	R12677
Ethylbenzene	ND	0.050	mg/Kg	1	8/16/2013 11:10:13 AM	R12677
Xylenes, Total	ND	0.10	mg/Kg	1	8/16/2013 11:10:13 AM	R12677
Surr: 4-Bromofluorobenzene	100	80-120	%REC	1	8/16/2013 11:10:13 AM	R12677
EPA METHOD 300.0: ANIONS					Analyst	JRR
Chloride	ND	30	mg/Kg	20	8/16/2013 12:43:47 PM	8902

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit Page 1 of 5
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: 1308718 20-Aug-13

Client: Animas Environmental
Project: CoP San Juan 29-5 #71

Sample ID MB-8902 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 8902 RunNo: 12701

Prep Date: 8/16/2013 Analysis Date: 8/16/2013 SeqNo: 361704 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride ND 1.5

Sample ID LCS-8902 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 8902 RunNo: 12701

Prep Date: 8/16/2013 Analysis Date: 8/16/2013 SeqNo: 361705 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 14 1.5 15.00 0 92.9 90 110

Sample ID 1308627-001AMS SampType: MS TestCode: EPA Method 300.0: Anions

Client ID: BatchQC Batch ID: 8902 RunNo: 12701

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 18 1.5 15.00 4.369 93.7 58.8 109

Sample ID 1308627-001AMSD SampType: MSD TestCode: EPA Method 300.0: Anions

Client ID: BatchQC Batch ID: 8902 RunNo: 12701

Result PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Analyte LowLimit 15.00 4.369 58.8 5.83 20 Chloride 17 1.5 86.7 109

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 2 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#:

1308718

20-Aug-13

S

Client: Animas Environmental
Project: CoP San Juan 29-5 #71

Sample ID 1308627-001AMS SampType: MS TestCode: EPA Method 8015D: Diesel Range Organics

Client ID: BatchQC Batch ID: 8877 RunNo: 12670

Prep Date: 8/15/2013 Analysis Date: 8/16/2013 SeqNo: 361106 Units: %REC

SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Analyte Result PQL LowLimit S 2.7 5.010 53.9 147 Surr: DNOP 63

Sample ID 1308627-001AMSD SampType: MSD TestCode: EPA Method 8015D: Diesel Range Organics Client ID: BatchQC Batch ID: 8877 RunNo: 12670 Prep Date: 8/15/2013 Analysis Date: 8/16/2013 SeqNo: 361107 Units: %REC SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Analyte LowLimit

57.6

63

147

147

0

Sample ID MB-8897 SampType: MBLK TestCode: EPA Method 8015D: Diesel Range Organics

Client ID: PBS Batch ID: 8897 RunNo: 12670

2.9

5.015

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO) ND 10

Surr: DNOP 9.0 10.00 90.0 63

Sample ID LCS-8897 SampType: LCS TestCode: EPA Method 8015D: Diesel Range Organics
Client ID: LCSS Batch ID: 8897 RunNo: 12670

Client ID: LCSS Batch ID: 8897 RunNo: 12670

Prep Date: 8/16/2013 Analysis Date: 8/16/2013 SeqNo: 361260 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

 Diesel Range Organics (DRO)
 46
 10
 50.00
 0
 92.9
 77.1
 128

 Surr: DNOP
 3.5
 5.000
 69.8
 63
 147

Qualifiers:

Surr: DNOP

- * 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 3 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#:

1308718

20-Aug-13

Client: Project: Animas Environmental CoP San Juan 29-5 #71

Sample ID MB-8879 MK

SampType: MBLK

TestCode: EPA Method 8015D: Gasoline Range

LowLimit

LowLimit

80

PBS Client ID:

Batch ID: R12677

RunNo: 12677

Prep Date:

Analysis Date: 8/16/2013

SeqNo: 361407

Units: mg/Kg

Analyte

PQL Result 5.0 SPK value SPK Ref Val %REC HighLimit

RPDLimit

Qual

Gasoline Range Organics (GRO)

ND

1000

84.8

120

Surr: BFB

850

TestCode: EPA Method 8015D: Gasoline Range

Sample ID LCS-8879 MK Client ID:

LCSS

SampType: LCS Batch ID: R12677

RunNo: 12677

Prep Date:

Analysis Date: 8/16/2013

SeqNo: 361408

Units: mg/Kg

%RPD

Qual

Analyte Gasoline Range Organics (GRO)

26

25.00

%REC 102

74.5

HighLimit

%RPD

RPDLimit

Surr: BFB

940

Result

5.0

PQL

1000

SPK value SPK Ref Val

0

93.6

80

126 120

Qualifiers:

S

Value exceeds Maximum Contaminant Level.

Spike Recovery outside accepted recovery limits

- E Value above quantitation range
- Analyte detected below quantitation limits J
- 0 RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit Sample pH greater than 2 for VOA and TOC only.
- Reporting Detection Limit RL
- Page 4 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#:

1308718

20-Aug-13

Client: Project: Animas Environmental

CoP San Juan 29-5 #71

Sample ID MB-8879 MK	Samp ⁻	Туре: МЕ	BLK	Tes	TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batc	h ID: R1	2677	F	2677						
Prep Date: 8/15/2013	Analysis [Analysis Date: 8/16/2013			SeqNo: 361428			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	0.050						·			
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.10									
Surr: 4-Bromofluorobenzene	0.98		1.000		97.7	80	120				
Sample ID LCS-8879 MK	Samp	Гуре: LC	S	Tes	TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: R12677			F	RunNo: 1	2677					
Prep Date: 8/15/2013	Analysis [Date: 8/	16/2013	S	SeqNo: 3	61429	Units: mg/K	g			

Client ID: LCSS	Batcl	Batch ID: R12677			RunNo: 1;	2677				
Prep Date: 8/15/2013	Analysis E	Date: 8/	16/2013	S	SeqNo: 3	61429	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.050	1.000	0	102	80	120			
Toluene	0.99	0.050	1.000	0	98.9	80	120			
Ethylbenzene	1.0	0.050	1.000	0	103	80	120			
Xylenes, Total	3.1	0.10	3.000	0	103	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		105	80	120			

Qualifiers:

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

Page 5 of 5



4901 Hawkins NE Albuquerque, NM 87105

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

Sample Log-In Check List

Client Name: Animas Environmental Work Order Number: 1308718 RcptNo: 1 Received by/date: Michell Concie Logged By: Michelle Garcia 8/16/2013 10:07:00 AM 8/16/2013 10:21:49 AM Completed By: Michelle Garcia Reviewed By: Chain of Custody Not Present No 🗌 1. Custody seals intact on sample bottles? Yes V No 🗌 Not Present 2. Is Chain of Custody complete? 3. How was the sample delivered? Courier Log In No 🗌 NA 🗌 Yes V 4. Was an attempt made to cool the samples? NA 🗌 5. Were all samples received at a temperature of >0° C to 6.0°C Yes 🗸 No 🗌 Yes V No 🗌 6. Sample(s) in proper container(s)? Yes V No 🗌 7. Sufficient sample volume for indicated test(s)? Yes V No 🗌 8. Are samples (except VOA and ONG) properly preserved? Yes No V NA 🗌 9. Was preservative added to bottles? No 🗆 No VOA Vials Yes 10.VOA vials have zero headspace? No V 11. Were any sample containers received broken? Yes # of preserved bottles checked Yes V No for pH: 12. Does paperwork match bottle labels? (<2 or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? No 🗌 Yes V 13. Are matrices correctly identified on Chain of Custody? Yes V No 🗌 14. Is it clear what analyses were requested? Checked by: Yes V No 🗌 15. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) Yes No 🗌 NA V 16. Was client notified of all discrepancies with this order? Person Notified: Date: By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: 17. Additional remarks:

18. Cooler Information

Cooler No Temp °C Condition Seal Intact Seal No Seal Date

Good

Chain-of-Custody Record Client: Animas Environmenta! Services Mailing Address: 624 E. Comanche St Formington, NM 87401					Turn-Around Time: Standard Rush Same Day Project Name: Cor San Suan 29-5 # 71 Project #:				HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107												
Phone #: 505-564-228												- 17	W 1		Req						
email or Fax#:					Project Manager:				s only) (s) (s) (s) (s) (s) (s) (s) (s) (s) (s												
QA/QC	Package: dard		□ Level	4 (Full Validation)	D. Wai	tson	British.	(8021)	+ TPH (Gas only)	(Q)		SIMS)		PO4,SC	PCB's						
Accreditation □ NELAP □ Other					Sampler: K. Christianson				+ TPH	40 / D	04.1)	8270 8		J ₃ ,NO ₂	3 / 8082	*	A)	(300.0)		N N	
□ EDD (Type)					Sample Temberature 1 160				MTBE	20 4	od 5	0 or	stals	N,K	sides	8	150			2	
Date	Time	Matrix	Samp	le Request ID	Container Type and #	Preservative Type		BTEX + MISE	BTEX + MT	TPH 8015B (GRO / DRO / TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270	RCRA 8 Metals	Anions (F,C	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Chlori des		Air Rubbles (Y or N)	
8/15/3	11:57	Soil	SC-1		402 jac Kit	non MeDH	-001	X	>	1	Ē							X			
_													7							\vdash	
													Ţ.		L DA						
2		250	4		2 29					48	100		U.								
											100	Service of the servic									
		A-1 1																			
Date: 8/15/13 Date:	Time:	Relinquish	201	Az	Received by: Date Time 15/13 1058 Received by: Date Time				Remarks: Bill to Canaco Phi WO: 10342990 Supervisor: Carlos Rey							ordered by: Freddy Morthez Activity Code: c200 Area: 29					
8/15/13		samples sub	mitted to Hall E	nvironmental may be subs	contracted to other ac	predited laboratorie	. This serves as notice of the	7	DO:			d data	will be	e clear							



