<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-144 Revised June 6, 2013

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

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

	Pit, Belo	ow-Grade Tank, o	<u>r</u>	
	Proposed Alternative Metho	od Permit or Clos	ure Plan Applic	cation
Type of 13955	f action: Below grade tank registra Permit of a pit or propose Closure of a pit, below-gr	d alternative method	ternative method	RECEIVED By Rvillalobos at 9:35 am, Dec 30, 2015
39-24436 or prop	☐ Modification to an existin☐ Closure plan only submitt osed alternative method	g permit/or registration		pit, below-grade tank,
Instructi	ions: Please submit one application (Form	C-144) per individual pit,	below-grade tank or a	lternative request
	al of this request does not relieve the operator of wal relieve the operator of its responsibility to o			
Operator: ConocoPhillip	ps Company OGRID #:217817		Constituents Ex	xceed Standards outline
Address: PO BOX 428	89, Farmington, NM 87499		by 19.15.17.13	NMAC. Please submit a
	AN JUAN 31-6 UNIT 208		separate C-141	l under 19.15.29 NMAC
160	9-24436 OCD Permit N	Number:		
	ESW) Section 6 Towns			
1	gn: Latitude 36.83907 •N Lor			
6556	ral State Private Tribal Trust or Inc			
2.				
INTO THE LET	G or J of 19.15.17.11 NMAC			
Temporary: Drilling				
	ency Cavitation P&A Multi-We	500 E		
War to	Liner type: Thicknessmil	E HDPE PVC	Other	
☐ String-Reinforced				
Liner Seams: Welded	d Factory Other	bl	ol Dimensions: Lx	: W x D
3.				
Below-grade tank:	Subsection I of 19.15.17.11 NMAC			
Volume:	bbl Type of fluid: Pr	oduced Water	Newson of the control	<u> </u>
Tank Construction materi	ial: Metal			
☐ Secondary containme	ent with leak detection 🏻 Visible sidewall	s, liner, 6-inch lift and auto	matic overflow shut-of	f
☐ Visible sidewalls and	d liner Visible sidewalls only Other			
Liner type: Thickness	45mil	PVC Other <u>LLI</u>	OPE	
4. Alternative Method:				
	n request is required. Exceptions must be su	bmitted to the Santa Fe En	vironmental Bureau of	fice for consideration of approval.
5.				
Fencing: Subsection D	of 19.15.17.11 NMAC (Applies to permanen	t pits, temporary pits, and	below-grade tanks)	
Chain link, six feet in institution or church)	height, two strands of barbed wire at top (Re	equired if located within 10	000 feet of a permanent	residence, school, hospital,

Page 1 of 6

☐ Alternate. Please specify

☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet

6.	
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.	
<u>Variances and Exceptions:</u> 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 acce,	otable source
material are provided below. Siting criteria does not apply to drying pads or above-grade tanks.	
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
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. (Does not apply to below grade tanks) - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. (Does not apply to below grade tanks) - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
 Within an unstable area. (Does not apply to below grade tanks) Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 	☐ Yes ☐ No
Within a 100-year floodplain. (Does not apply to below grade tanks) - FEMA map	☐ Yes ☐ No
Below Grade Tanks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured	☐ Yes ⊠ No
from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ 162 ☑ 140
	□ v □ v
 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	☐ Yes ☐ No
application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

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 N Instructions: 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 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.10 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19. and 19.15.17.13 NMAC Previously Approved Design (attach copy of design) API Number: or Permit Number:	NMAC 15.17.9 NMAC
11. Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC	-
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the 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:	.15.17.9 NMAC

Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the	documents are
### Author Comparison of Paragraph (1) of Subsection B of 19.15.17.9 NMAC Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.10 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 H₂S, 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	
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	luid Management Pit
Alternative 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) In-place Burial On-site Trench Burial Alternative Closure Method	iuid Management I it
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be closure plan. Please indicate, by a check mark in the box, that the documents are attached. □ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC □ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC □ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) □ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC □ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC □ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	
15. Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable sour provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. I 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 ☐ NA
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	Yes No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	Yes No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	Yes No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	

adopted pursuant to NMSA 1978, Section 3-27-3, as amended.	
- Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	Yes No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	
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. 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
17. 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 believed.	ief.
Name (Print): Title:	
Signature: Date:	
e-mail address: Telephone:	
18. OCD Approval: ☐ Permit Application (including closure plan) ☐ Closure Plan (only) ☐ OCD Conditions (see attachment) S	
OCD Representative Signature: Approval Date: 6/27	72010
Title: Compliance Officer OCD Permit Number:	
19. Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not section of the form until an approved closure plan has been obtained and the closure activities have been completed. Closure Completion Date: 11/21/2013	the closure report. complete this
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.	the closure report. complete this
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: 11/21/2013	complete this

22.		-			
Operator Closure	e Certification:				
					and complete to the best of my knowledge and becified in the approved closure plan.
Name (Print):	Crystal Walker	_ Title: _	Regulatory Coordinate	<u>or</u>	
Signature:	aptal	Ula	lku	Date:	12/28/15
e-mail address:	crystal.walker@cop.com	Telephone:	(505) 326-9837		

ConocoPhillips Company San Juan Basin Below Grade Tank Closure Report

Lease Name: San Juan 31-6 Unit 208

API No.: 30-039-24436

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.

5. 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

6. 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.

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 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 is attached.

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.

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 (Attached)

Walker, Crystal

From:

Davis, Kenny R

Sent:

Wednesday, November 20, 2013 1:41 PM

To:

brandon.powell@state.nm.us jonathan.kelly@state.nm.us

Cc: Subject:

72 Hour Notice for BGT removal

Subject: BGT Removal

The subject well has a below-grade tank that will begin the closure process between 72 hours and one week from this notification. Please contact me at any time if you have any questions or concerns.

Well Name:

San Juan 31-6 Unit 208

API#: 3003924436

Location: K (NESW) Sec. 6 T30N R6W

Footages: 1765 FSL & 1485 FWL

Operator: ConocoPhillips Company

Surface Owner: Federal

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 1301 W. Grand Avenue, Artesia, NM 88210 District III
1000 Rio Brazos Road, Aztec, NM 87410 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

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

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

			Rele	ease Notific	catio	n and Co	orrective A	ction				
						OPERA	ГOR		☐ Initi	al Report	\boxtimes	Final Repor
Name of Co							ystal Walker					
Address 340							No.(505) 326-98	837				
Facility Na	ne: San Jua	ın 31-6 Un	it 208			Facility Typ	e: Gas Well					
Surface Ow	ner Federal			Mineral C)wner]	Federal			API No	.30-039-2	1436	
				LOCA	ATIO	N OF RE	LEASE					
Unit Letter K	Section 6	Township 30N	Range 6W	Feet from the 1765		/South Line South	Feet from the 1485		Vest Line Vest	County Rio Arrib	19	
K	0 1	3014	UVV				le <u>-107.50838</u>	1	Y CSL	KIO ATTI	a	
						OF REL						
Type of Rele	ase			IVAI	UKE	Volume of			Volume I	Recovered	y-,	
Source of Re							Hour of Occurrence	ce		Hour of Dis	covery	L
Was Immedia	ate Notice Gi	ven?				If YES, To	Whom?					
Tras IIIIIIcan	ate Protice Gr		Yes	No 🛛 Not Re	equired							
By Whom?						Date and I	Hour					
Was a Water	course Reach		🗖	•		If YES, Vo	olume Impacting t	the Wate	rcourse.			
			Yes 🛛 1									
If a Watercou	ırse was Impa	cted, Descri	ibe Fully.	k i								
N/A												
Describe Cau												
No release w	as encounter	ed during t	the BGT	Closure.								
Describe Are	a Affected an	d Cleanup A	Action Tak	ten.*								
N/A												
					•		4	•			0.00	po Port months
				is true and comp nd/or file certain re								
				ce of a C-141 repo								
should their o	perations have	ve failed to a	adequately	investigate and re	emediat	te contaminati	ion that pose a thr	eat to gro	ound water	r, surface wa	iter, hu	ıman health
				tance of a C-141	report o	loes not reliev	e the operator of	responsil	bility for c	ompliance v	vith an	y other
federal, state,	or local laws	and/or regu	ilations.				OIL CON	CEDV	A TION	DIVICIO)NI	
Signature:	0	1 1	1.1	11			OIL CON	DLIX V.	ATION	ומויות)IN	
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Title: Regul	*					Approval Da	te:	T.	Expiration	Date:		
Title. Regul	atory Coord	mator				Approvat Da			Apriation			
E-mail Addre	ess: crystal.	walker@coj	p.com			Conditions of	f Approval:			Attached		
Date: /2/2	28/15	Phone: (505	5) 326-083	7						CENTER PROPERTY TO THE		
* Attach Addi					Į.							



December 30, 2013

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

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

> Durango, Colorado 970-403-3084

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

RE: Below Grade Tank Closure Report

San Juan 31-6 #208

Rio Arriba County, New Mexico

Dear Ms. Hunter:

Animas Environmental Services, LLC (AES) is pleased to provide the final report associated with the below grade tank (BGT) closure at ConocoPhillips (CoP) San Juan 31-6 #208, 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 31-6 #208
Legal Description – NE¼ SW¼, Section 6, T30N, R6W, Rio Arriba County, New Mexico
Well Latitude/Longitude – N36.83921 and W107.50819, respectively
BGT Latitude/Longitude – N36.83907 and W107.50838, respectively
Land Jurisdiction – Bureau of Reclamation (BOR)
Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Map, November 2013

1.2 NMOCD Ranking

In accordance with the New Mexico Oil Conservation Division (NMOCD) *Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993), the location was given a ranking score of 10 based on the following factors:

- Depth to Groundwater: A well cathodic report dated February 1992 reported the depth to groundwater as greater than 100 feet below ground surface (bgs). (0 points)
- Wellhead Protection Area: The tank location is not within a wellhead protection area. (0 points)
- Distance to Surface Water Body: An unnamed wash which discharges to the La Jara Canyon arm of Navajo Lake is located approximately 850 feet southeast of the location. (10 points)

1.3 BGT Closure Assessment

AES was initially contacted by Bruce Ashcroft, CoP representative, on November 21, 2013, and on the same day, Deborah Watson and Heather Woods 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 November 21, 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 each measured at 0.0 ppm. Field TPH concentrations ranged from 64.2 mg/kg in S-3 to greater than 2,500 mg/kg in S-2. The field chloride concentration in SC-1 was 60 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 31-6 #208 BGT Closure. November 2013

Sample ID	Date Sampled	Depth below BGT (ft)	VOCs OVM Reading (ppm)	Field TPH (mg/kg)	Field Chlorides (mg/kg)
NMOCD Action L	evel (NMAC 19.	15.17.13E)		100	250
S-1	11/21/13	0.5	0.0	77.6	NA
S-2	11/21/13	0.5	0.0	>2,500	NA
S-3	11/21/13	0.5	0.0	64.2	NA
S-4	11/21/13	0.5	0.0	1,240	NA
S-5	11/21/13	0.5	0.0	1,170	NA
SC-1	11/21/13	0.5	0.0	NA	60

NA - Not Analyzed

Laboratory analytical results reported benzene and total BTEX concentrations in SC-1 as less than 0.032 mg/kg and 0.159 mg/kg, respectively. TPH concentrations as GRO and DRO were reported at less than 3.2 mg/kg and less than 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 31-6 #208 BGT Closure. November 2013

					INDI TOTAL STREET		
				Total	TPH-	TPH-	
Sample	Date	Depth	Benzene	BTEX	GRO	DRO	Chlorides
ID	Sampled	(ft)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
	NMOCD Acti	on Level	0.2	50	1	100	
(NMAC 19.15	.17.13E)	0.2	30	0 100		250
SC-1	11/21/13	0.5	<0.032	<0.159	<3.2	<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 three samples: S-2 (greater than 2,500 mg/kg), S-4 (1,240 mg/kg), and S-5 (1,170 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 31-6 #208.

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

Sincerely,

David J. Reese

Environmental Scientist

Dail g Rene

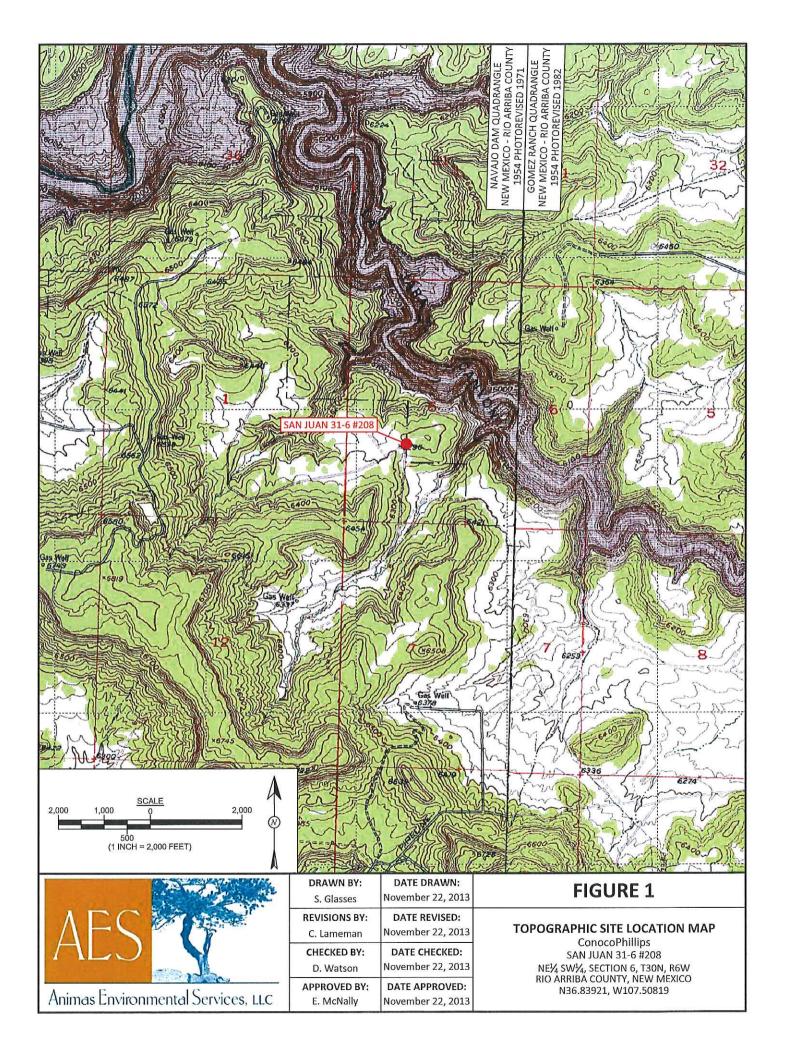
Lisa Hunter San Juan 31-6 #208 BGT Closure Report December 30, 2013 Page 5 of 5

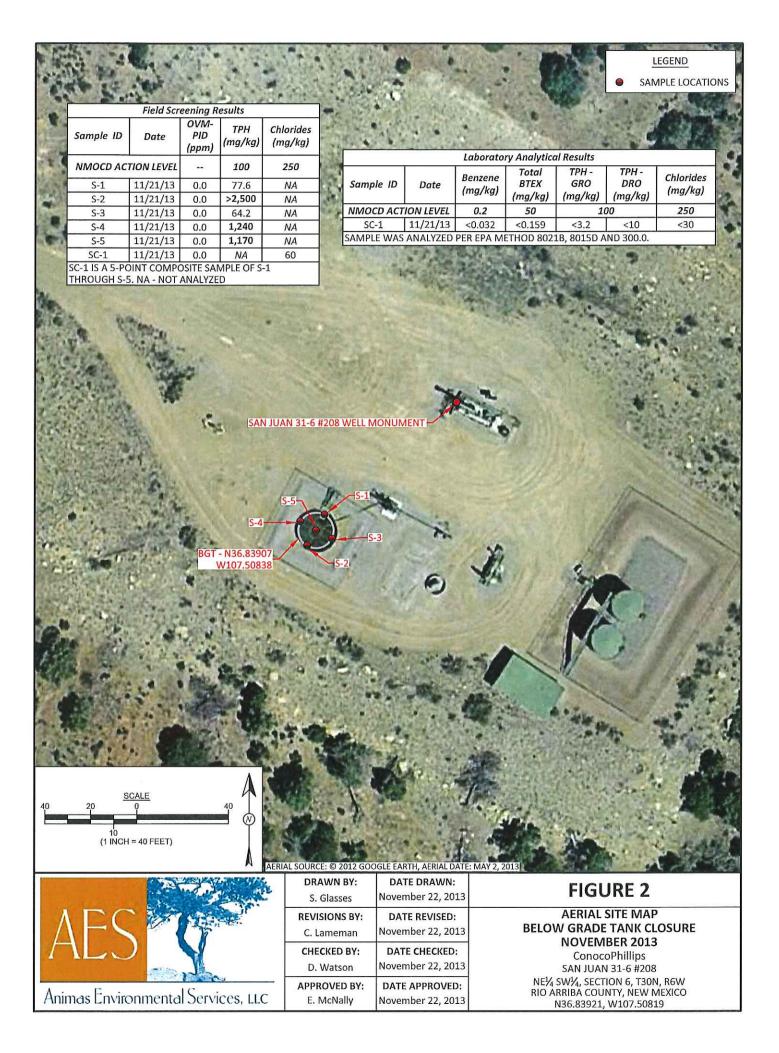
Elizabeth McNally, P.E.

Attachments:

Figure 1. Topographic Site Location Map Figure 2. Aerial Site Map, November 2013 AES Field Screening Report 112113 Hall Analytical Report 1311A20

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www.animasenvironmental.com

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

Durango, Colorado 970-403-3084

Project Location: San Juan 31-6 #208 Client: ConocoPhillips

Matrix: Soil

Date: 11/21/2013

		Time of			Field	Field TPH				TPH
	Collection	Sample	Sample	OVM	Chloride	Analysis	Field TPH*	TPH PQL		Analysts
Sample ID	Date	Collection	Location	(ppm)	(mg/kg)	Time	(mg/kg)	(mg/kg)	DF	Initials
S-1	S-1 11/21/2013	14:35	North	0.0	NA	17:40	77.6	20.0	ı	DAW
S-2	S-2 11/21/2013	14:38	South	0.0	NA	17:43	>2,500	20.0	П	DAW
S-3	S-3 11/21/2013	14:40	East	0.0	NA	17:46	64.2	20.0	П	DAW
S-4	11/21/2013	14:42	West	0.0	NA	17:48	1,240	20.0	Н	DAW
S-5	S-5 11/21/2013	14:45	Center	0.0	NA	17:50	1,170	20.0	П	DAW
SC-1	SC-1 11/21/2013	14:50	Composite	0.0	90		Not +	Not Analyzed for TPH.	'H.	

Field Chloride - Quantab Chloride Titrators or Drop Count Titration with

Silver Nitrate

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst:

*Field TPH concentrations recorded may be below PQL.

Practical Quantitation Limit

PQL N_D ΑN

Not Detected at the Reporting Limit

Dilution Factor Not Analyzed



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

November 26, 2013

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

FAX

RE: COP San Juan 31-6 #208

OrderNo.: 1311A20

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 11/22/2013 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

Indest

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 1311A20

Date Reported: 11/26/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

COP San Juan 31-6 #208

1311A20-001 Lab ID:

Project:

Client Sample ID: SC-1

Collection Date: 11/21/2013 2:50:00 PM

Received Date: 11/22/2013 10:00:00 AM Matrix: MEOH (SOIL)

Analyses	Result	RL Q	ıal Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	SE ORGANICS				Analys	st: BCN
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	11/22/2013 1:02:22 P	M 10474
Surr: DNOP	91.9	66-131	%REC	1	11/22/2013 1:02:22 P	M 10474
EPA METHOD 8015D: GASOLINE RA	ANGE				Analys	st: RAA
Gasoline Range Organics (GRO)	ND	3.2	mg/Kg	1	11/22/2013 12:25:46 F	PM R14998
Surr: BFB	92.6	74.5-129	%REC	1	11/22/2013 12:25:46 F	PM R14998
EPA METHOD 8021B: VOLATILES					Analys	st: RAA
Benzene	ND	0.032	mg/Kg	1	11/22/2013 12:25:46 F	M R14998
Toluene	ND	0.032	mg/Kg	1	11/22/2013 12:25:46 F	PM R14998
Ethylbenzene	ND	0.032	mg/Kg	1	11/22/2013 12:25:46 F	PM R14998
Xylenes, Total	ND	0.063	mg/Kg	1	11/22/2013 12:25:46 F	PM R14998
Surr: 4-Bromofluorobenzene	111	80-120	%REC	1	11/22/2013 12:25:46 F	M R14998
EPA METHOD 300.0: ANIONS					Analys	t: JRR
Chloride	ND	30	mg/Kg	20	11/22/2013 12:55:53 F	PM 10486

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
- Analyte detected below quantitation limits J
- O RSD is greater than RSDlimit
- RPD outside accepted recovery limits R
- Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: 1311A20

26-Nov-13

Client:

Animas Environmental

Project:

COP San Juan 31-6 #208

Result

Sample ID MB-10486

SampType: MBLK

TestCode: EPA Method 300.0: Anions

Client ID: PBS

Batch ID: 10486

RunNo: 15033

Units: mg/Kg

HighLimit

Analyte

Prep Date:

11/22/2013

Analysis Date: 11/22/2013 PQL

SeqNo: 434229

RPDLimit

Qual

Chloride

ND 1.5

Sample ID LCS-10486

SampType: LCS

TestCode: EPA Method 300.0: Anions

%RPD

%RPD

LCSS Client ID:

RunNo: 15033

Batch ID: 10486

Units: mg/Kg

Prep Date: 11/22/2013

Analysis Date: 11/22/2013

PQL

1.5

SeqNo: 434230 %REC

HighLimit

RPDLimit

Qual

LowLimit

Chloride

Analyte

14

15.00

SPK value SPK Ref Val

SPK value SPK Ref Val %REC LowLimit

94.2

90 110

Qualifiers:

Value exceeds Maximum Contaminant Level.

Value above quantitation range E

Analyte detected below quantitation limits

0 RSD is greater than RSDlimit

R RPD outside accepted recovery limits

Spike Recovery outside accepted recovery limits

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#:

1311A20 26-Nov-13

Client:

Animas Environmental

Project: COP S	an Juan 31-6 #208					
Sample ID MB-10474	SampType: MBLK TestCode: EPA Method 8015D: Diesel Range Organics					
Client ID: PBS	Batch ID: 10474	RunNo: 14985				
Prep Date: 11/21/2013	Analysis Date: 11/22/2013	SeqNo: 432946	Units: mg/Kg			
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual		
Diesel Range Organics (DRO)	ND 10					
Surr: DNOP	9.4 10.00	94.4 66	131			
Sample ID LCS-10474	SampType: LCS TestCode: EPA Method 8015D: Diesel Range Organics					
Client ID: LCSS	Batch ID: 10474	RunNo: 14985				
Prep Date: 11/21/2013	Analysis Date: 11/22/2013	SeqNo: 432958	Units: mg/Kg			
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual		
Diesel Range Organics (DRO)	57 10 50.00	0 114 62.1	127			
Surr: DNOP	5.2 5.000	104 66	131			

Qualifiers:

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

ND

920

WO#: 1311A20

26-Nov-13

Client:

Animas Environmental

Project:

Gasoline Range Organics (GRO)

Surr: BFB

COP San Juan 31-6 #208

Sample ID Ics-10465 5	SampType: L0	TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: R	RunNo: 14998							
Prep Date:	Analysis Date: 11/22/2013 SeqN			SeqNo: 4	434083 Units: mg/Kg				
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24 5.0	25.00	0	97.3	74.5	126			
Surr: BFB	1000	1000		100	74.5	129			
Sample ID mb-10465 7	SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: R	RunNo: 14998							
Prep Date:	Analysis Date: 1	S	SeqNo: 4	34084	Units: mg/K	(g			
Analyte	Result POL	SPK value	SPK Ref Val	%RFC	Lowl imit	HighLimit	%RPD	RPDLimit	Qual

92.3

74.5

129

1000

Qualifiers:

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

Page 4 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#:

RPDLimit

%RPD

1311A20

26-Nov-13

Qual

Client: Project: Animas Environmental COP San Juan 31-6 #208

Sample ID Ics-10465 6

SampType: LCS

TestCode: EPA Method 8021B: Volatiles

Client ID: LCSS

Batch ID: R14998

RunNo: 14998

Prep Date:

Analysis Date: 11/22/2013

SeqNo: 434116

Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit
Benzene	0.99	0.050	1.000	0	99.0	80	120
Toluene	0.97	0.050	1.000	0	96.9	80	120
Ethylbenzene	1.0	0.050	1.000	0	102	80	120
Xylenes, Total	3.1	0.10	3.000	0	104	80	120
Surr: 4-Bromofluorobenzene	1.2		1.000		117	80	120

Sample ID mb-10465 7	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: R14998			RunNo: 14998						
Prep Date:	Analysis D)ate: 1	1/22/2013	S	SeqNo: 4	34122	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	1.1		1.000		111	80	120			

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- 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
- 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.
- Reporting Detection Limit

Page 5 of 5



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87105

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

Sample Log-In Check List

Work Order Number: 1311A20 RcptNo: 1 Client Name: Animas Environmental Received by/date: 11/22/2013 10:00:00 AM Logged By: Lindsay Mangin Lindsay Mangin Completed By: 11/22/2013 10:19:31 AM Reviewed By: Chain of Custody No 🗌 Not Present Yes 1. Custody seals intact on sample bottles? No 🗌 Not Present Yes V 2. Is Chain of Custody complete? 3. How was the sample delivered? Courier Log In NA 🗆 Yes V No 🗌 4. Was an attempt made to cool the samples? NA 🗌 No 🗆 5. Were all samples received at a temperature of >0° C to 6.0°C Yes 🗸 Yes V No 🗌 6. Sample(s) in proper container(s)? 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 VOA Vials Yes No 🗌 10.VOA vials have zero headspace? Yes No 🗹 11. Were any sample containers received broken? # of preserved bottles checked Yes 🗸 No 🗆 for pH: 12. Does paperwork match bottle labels? (<2 or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? No 🗆 V 13. Are matrices correctly identified on Chain of Custody? No 🗌 V 14. Is it clear what analyses were requested? Checked by: Yes 🗸 No 🗌 15. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) Yes No 🗌 NA 🗸 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

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HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com kins NE - Albuquerque, NM 87109 45-3975 Fax 505-345-4107 Analysis Request	2000 MM a 1002			Date Time Remarks: 21/13 72.6 Pull for Course Phillips 22/13 32.6 Super: 22/ 3 22/ 3 Ave. 28 Wo: Prince Ashcart 22/ 3 Ave. 28 Wo: Prince Ashcart 23/ 3 Ave. 28 Wo: Prince Ashcart 24/ 3 Ave. 28 Wo: Prince Ashcart 25/ 3 Ave. 28 Wo: Prin
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SAN JUAN 31-6 UNIT 208



