For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office. For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Pit, Below-Grade Tank, or	
Proposed Alternative Method Permit or Closure Plan Appl	ication
13768 Type of action: □ Below grade tank registration 045-11497 □ Permit of a pit or proposed alternative method □ Closure of a pit, below-grade tank, or proposed alternative method □ Modification to an existing permit/or registration □ Closure plan only submitted for an existing permitted or non-permitted or non-permitted	RECEIVED By Rvillalobos at 9:45 am, Dec 30, 2015 ed pit, below-grade tank,
or proposed anemative memod Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or	altamativa varuast
Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of senvironment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental aut	urface water, ground water or the
1. Operator: <u>Burlington Resources Oil & Gas Company, LP</u> OGRID #: <u>14538</u>	
Address: PO BOX 4289, Farmington, NM 87499	
Facility or well name: SAN JUAN 32-9 UNIT 56	
API Number:	_
U/L or Qtr/Qtr K Section 12 Township 32N Range 10W County: San Juan	<u>n</u>
Center of Proposed Design: Latitude <u>36.996148 N</u> Longitude <u>-107.836680 W</u> NAD: 1927 X 1983	
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
□ Lined □ Unlined Liner type: Thickness mil □ LLDPE □ HDPE □ PVC □ Other	
String-Reinforced	
Liner Seams: Welded Factory Other Volume:bbl Dimensions: L	x W x D
3. Subsection I of 19.15.17.11 NMAC	
Volume: Max. 120 bbl Type of fluid: <u>Produced Water</u>	
Tank Construction material: <u>Metal</u>	
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 🔲 HDPE 🗌 PVC 🖾 OtherUNSPECIFIED	
4.	
Alternative Method:	
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau	office for consideration of approval.
5.	
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 (<i>Required if located within 1000 feet of a permane institution or church</i>)	ni residence, schooi, hospital,
Four foot height, four strands of barbed wire evenly spaced between one and four feet	
Alternate. Please specify	

leb

Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)

Screen Netting Other_

6.

7.

9.

Monthly inspections (If netting or screening is not physically feasible)

Signs: Subsection C of 19.15.17.11 NMAC

12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

Signed in compliance with 19.15.16.8 NMAC

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.

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 acceptable 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 ⊠ NA
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	□ Yes □ No ⊠ NA
 Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. (Does not apply to below grade tanks) Written confirmation or verification from the municipality; Written approval obtained from the municipality 	🗆 Yes 🗌 No
 Within the area overlying a subsurface mine. (Does not apply to below grade tanks) Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division 	🗆 Yes 🗌 No
 Within an unstable area. (Does not apply to below grade tanks) Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 	Yes 🗌 No
Within a 100-year floodplain. (Does not apply to below grade tanks) - FEMA map	🗌 Yes 🗌 No
Below Grade Tanks	
 Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site 	🗌 Yes 🛛 No
 Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site 	🗌 Yes 🛛 No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
 Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) Topographic map; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No
 Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	Yes 🗌 No
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
10. 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 doc attached. Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.10 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:	cuments are 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 doc attached. Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC A List of wells with approved application for permit to drill associated with the pit. Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19 and 19.15.17.13 NMAC Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC	.15.17.9 NMAC
Previously Approved Design (attach copy of design) API Number: or Permit Number:	- 76

12. 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 orattached. 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 Quality Control/Quality Assurance Construction and Installation Plan Operating and Maintenance 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 19.15.17.9 NMAC and 19.15.17.13 NMAC	documents are
13. Proposed Closure: 19.15.17.13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan. Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Multi-well Fl 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	luid Management Pit
 14. Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be a 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. F 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 ☐ NA
 Ground water is more than 100 feet below the bottom of the buried waste. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells 	☐ Yes ☐ No ☐ NA
 Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa 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 	
- written commation of vermeation from the municipanty, written approval obtained nom the municipanty	🗌 Yes 🗌 No
 Within the area overlying a subsurface mine. Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division 	🗌 Yes 🗌 No
Within an unstable area.	
 Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 	🗌 Yes 🗌 No
Within a 100-year floodplain. - FEMA map	🗌 Yes 🗌 No
16. On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plant of the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17. Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.13 NMAC Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards canntal 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: I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and below and	ief.
Name (Print): Title:	
Signature: Date:	
e-mail address: Telephone:	
18. <u>OCD Approval</u> : Permit Application (including closure plan) X Closure Plan (only) OCD Conditions (see attachment)	
18. OCD Approval: Permit Application (including closure plan) Image: Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Image: Closure Plan (only) Image: OCD Conditions (see attachment)	
18. <u>OCD Approval</u> : Permit Application (including closure plan) X Closure Plan (only) OCD Conditions (see attachment)	
18. OCD Approval: Permit Application (including closure plan) Image: Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Image: Closure Plan (only) Image: OCD Conditions (see attachment)	2016
18. OCD Approval: □ Permit Application (including closure plan) Image: Closure Plan (only) □ OCD Conditions (see attachment) OCD Representative Signature:	2016 g the closure report. t complete this

22. Operator Closure Certification:

Name (Print): Kelly G. Roberts

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Title: <u>Regulatory Technician</u>

Signature:

Date: 12/21/15

e-mail address: Kelly.Roberts@cop.com Telephone: (505) 326-9775

Burlington Resources Oil & Gas Company San Juan Basin: New Mexico Assets Below Grade Tank Closure Report

Lease Name: SAN JUAN 32-9 UNIT 56 API No.: 30-045-11497

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 Requirements:

1. Prior to initiating any BGT closure, except in the case of an emergency, BR will notify the surface owner of the intent to close the BGT by certified mail no later than 72 hours or one week before closure and a copy of this notification will be included in the closure report. In the case of an emergency, the surface owner will be notified as soon as practical.

The closure process notification to the Surface Owner was not found.

- 2. Notice of closure will be given to the District Division office between 72 hours and one week of the scheduled closure via email or phone. The notification of closure will include the following:
 - a. Operators Name
 - b. Well Name and API Number
 - c. Location

Notification of closure was not provided to the Aztec Division office between 72 hours and one week prior to closure.

 All liquids will be removed from the BGT following cessation of operation. Produced water will be disposed of at one of COP's approved Salt Water Disposal facilities or at a District Division approved facility.

All recovered liquids were disposed of at an approved SWD facility or an approved District Division facility within 60 days of cessation of operation.

 Solids and sludge's will be shoveled and/or vacuumed out for disposal at one of the District Division approved facilities, depending on the proximity of the BGT site: Envirotech Land Farm (Permit #NM-01-011), JFJ Land Farm % Industrial Ecosystems Inc. (Permit #NM-01-0010B), and Basin Disposal (Permit #NM-01-005).

Any sludge or soil required to be removed to facilitate closure was transported to Envirotech Land Farm (Permit # NM-01-011) and/or JFJ Landfarm % IEI (Permit# NM-01-0010B).

5. BR will obtain prior approval from District Division to dispose, recycle, reuse, or reclaim the BGT and provide documentation of the disposition of the BGT in the closure report. Steel materials will be recycled or reused as approved by the District Division. Fiberglass tanks will be empty, cut up or shredded, and EPA cleaned for disposal as solid waste. Liner materials will be cleaned without soils or contaminated material for disposal as solid waste. Fiberglass tanks and liner materials will meet the conditions of 19.15.35 NMAC. Disposal will be at a licensed disposal facility, presently San Juan County Landfill operated by Waste Management under NMED Permit SWM-052426.

The below-grade tank was disposed of in a division-approved manner. The liner was cleaned per 19.15.35.8.C(1)(m) NMAC and disposed of at the San Juan County Regional Landfill located on CR 3100.

6. Any equipment associated with the BGT that is no longer required for some other purpose, following the closure, will be removed.

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

- 7. Following removal of the tank and any liner material, BR will test the soils beneath the BGT as follows:
 - a. At a minimum, a five-point composite sample will be taken to include any obvious stained or wet soils or any other evidence of contamination.
 - b. The laboratory sample shall be analyzed for the constituents listed in Table I of 19.15.17.13.

A five point composite sample was taken of the below-grade tank using sampling tools and all samples tested per Table I of 19.15.17.13 and the results are attached.

8. If the District Division and/or BR determine there is a release, BR will comply with 19.15.17.13.C.3b.

A release was not determined for the above referenced well.

9. Upon completion of the tank removal, pursuant to 19.15.17.13.C.3c, if all contaminant concentrations are less than or equal to the parameters listed in Table I of 19.15.17.13 NMAC, the excavation will be backfilled with non-waste earthen material compacted and covered with a minimum of one foot top soil or background thickness whichever is greater and to existing grade. The surface will be re-contoured to match the native grade and to prevent ponding.

The tank removal area passed all requirements of Table I of 19.15.17.13 NMAC and was backfilled with compacted, non-waste containing, earthen material which included at least one foot of suitable material to establish vegetation at the site.

10. For those portions of the former BGT area no longer required for production activities, BR will seed the disturbed area the first favorable growing season after the BGT is covered. Seeding will be accomplished via drilling on the contour whenever practical, or by other District Division-approved methods. BR will notify the District Division when reclamation and re-vegetation is complete.

Reclamation of the BGT shall be considered complete when:

- Vegetative cover reflects a life form ratio of +/- 50% of pre disturbance levels.
- Total percent plant cover of at least 70% of pre-disturbance levels (Excluding noxious weeds) OR
- Pursuant to 19.15.17.13.H.5d BR will comply with obligations imposed by other applicable federal or tribal agencies in which there re-vegetation and reclamation requirements provide equal or better protection of fresh water, human health and the environment.

Provision 10 will be accomplished pursuant to 19.15.17.H.5d and notification will be submitted upon completion.

11. For those portions of the former BGT area required for production activities, reseeding will be done at well abandonment, and following the procedure noted above.

The former BGT area is not required for production activities and reseeding was completed on 11/23/15 per the procedure noted above.

Closure Report:

All closure activities will include proper documentation and will be submitted to OCD within 60 days of the BGT closure on a Closure Report using District Division Form C-144. The Report will include the following:

- Proof of Closure Notice (surface owner and District Division) (Attached)
- Backfilling & cover installation (See Report)
- Confirmation Sampling Analytical Results (Attached)
- Application Rate & Seeding techniques (See Report)
- Photo Documentation of Reclamation (Attached)

State of New Mexico Energy Minerals and Natural Resources

> 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.

1220 S. St. Fran	cis Dr., Santa	a Fe, NM 87505	5	Sa	anta F	Fe, NM 875	05					
			Rele	ease Notific	catio	on and Co	orrective A	ction				
						OPERA	ГOR		🗌 Initia	al Report	\boxtimes	Final Repor
				il & Gas Compa	ny	Contact Cr	ystal Walker					
		th St, Farmin		[]			No.(505) 326-98	337				
Facility Nat	ne: SAN J	UAN 32-9 I	JNIT 56			Facility Typ	e: Gas Well					
Surface Ow	ner Feder	al		Mineral ()wner	Federal			API No	.30-045-11	497	
				LOC	ATIC	N OF RE	LEASE					
Unit Letter	Section	Township	Range	Feet from the	-	h/South Line	Feet from the	East/V	Vest Line	County		
				Latitude <u>36.</u>	99614	8 Longitud	e <u>-107.836680</u>					
				NAT	URI	E OF REL	EASE					
Type of Rele						Volume of			Volume I			
Source of Re	lease					Date and F	Iour of Occurrenc	e	Date and	Hour of Dis	covery	
Was Immedi	ate Notice (Yes 🗌] No 🛛 Not R	equired	If YES, To	Whom?					
By Whom?						Date and H	Iour					
Was a Water	course Read		Yes 🛛 1	No		If YES, Vo	olume Impacting t	the Wate	ercourse.			
A Del Superior de Contrar a constrar		em and Reme ered during										
Describe Are N/A	a Affected	and Cleanup 2	Action Tal	zen.*								
regulations a public health should their o or the environ	Il operators or the envi operations h nment. In a	are required t ronment. The ave failed to a	o report an acceptanc adequately)CD accep	nd/or file certain i ce of a C-141 repo investigate and i	elease ort by t emedia	notifications a he NMOCD mate contaminat	knowledge and u nd perform correc arked as "Final R on that pose a thr e the operator of	ctive acti eport" d ceat to gr responsi	ons for rel oes not rel ound wate bility for c	eases which ieve the ope r, surface wa ompliance v	may er rator of ater, hu vith any	ndanger f liability man health
Signature:	Lalya	n. Pat	t				OIL CON	SERV	ATION	DIVISIO	<u>DN</u>	
Printed Name	e: Kelly G.	Roberts				Approved by	Environmental S	pecialist	:			
Title: Regul	atory Tech	nician				Approval Da	te:		Expiration	Date:		
E-mail Addre	ess: Kelly	v.Roberts@co Phone: (505		/5		Conditions o	f Approval:			Attached		

* Attach Additional Sheets If Necessary



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

November 19, 2015

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

RE: COPC SJ 32-9 Unit 56

OrderNo.: 1511374

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 1 sample(s) on 11/10/2015 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 <u>www.hallenvironmental.com</u> 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,

andig

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 1511374 Date Reported: 11/19/2015

Hall Environmental Analysis Laboratory, Inc.

Lab ID:

1511374-001

CLIENT: Animas Environmental Client Sample ID: BGT S-1 Project: COPC SJ 32-9 Unit 56 Collection Date: 11/9/2015 1:30:00 PM Received Date: 11/10/2015 6:50:00 AM Matrix: SOIL

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analys	TOM
Petroleum Hydrocarbons, TR	ND	20	mg/Kg	1	11/17/2015	22354
EPA METHOD 300.0: ANIONS					Analys	: LGT
Chloride	ND	30	mg/Kg	20	11/13/2015 4:10:41 PM	22349
EPA METHOD 8015M/D: DIESEL RANGE	ORGANIC	S			Analys	: KJH
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	11/11/2015 4:17:43 PN	22273
Surr: DNOP	121	70-130	%REC	1	11/11/2015 4:17:43 PN	22273
EPA METHOD 8015D: GASOLINE RANG	Ξ				Analys	NSB
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	11/11/2015 12:21:02 P	M 22278
Surr: BFB	87.2	75.4-113	%REC	1	11/11/2015 12:21:02 P	M 22278
EPA METHOD 8021B: VOLATILES					Analys	NSB
Benzene	ND	0.046	mg/Kg	1	11/11/2015 12:21:02 P	M 22278
Toluene	ND	0.046	mg/Kg	1	11/11/2015 12:21:02 P	M 22278
Ethylbenzene	ND	0.046	mg/Kg	1	11/11/2015 12:21:02 P	M 22278
Xylenes, Total	ND	0.093	mg/Kg	1	11/11/2015 12:21:02 P	M 22278
Surr: 4-Bromofluorobenzene	112	80-120	%REC	1	11/11/2015 12:21:02 P	M 22278

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

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

Client: Animas Environmental

Project: COPC SJ 32-9 Unit 56

Sample ID MB-22349	SampType: MBLK	TestCode: EPA Method	300.0: Anions	
Client ID: PBS	Batch ID: 22349	RunNo: 30257		
Prep Date: 11/13/2015	Analysis Date: 11/13/2015	SeqNo: 922446	Units: mg/Kg	
Analyte	Result PQL SPK value S	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			
Sample ID LCS-22349	SampType: LCS	TestCode: EPA Method	300.0: Anions	
Sample ID LCS-22349 Client ID: LCSS	SampType: LCS Batch ID: 22349	TestCode: EPA Method RunNo: 30257	300.0: Anions	
	En Calif. Sens an server a Mars Sciences		300.0: Anions Units: mg/Kg	
Client ID: LCSS	Batch ID: 22349	RunNo: 30257 SeqNo: 922447		RPDLimit Qual

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

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Client:	Animas I	Environmer	ital								
Project:	COPC S.	J 32-9 Unit	56								
Sample ID	MB-22354	SampTy	ype: ME	зlk	Tes	tCode: El	PA Method	418.1: TPH			
Client ID:	PBS	Batch	ID: 22	354	F	RunNo: 3	0289				
Prep Date:	11/16/2015	Analysis Da	ate: 1'	1/17/2015	S	SeqNo: 9	23840	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydr	ocarbons, TR	ND	20								
Sample ID	LCS-22354	SampTy	/pe: LC	S	Tes	tCode: El	PA Method	418.1: TPH			
Client ID:	LCSS	Batch	ID: 22	354	F	RunNo: 3	0289				
Prep Date:	11/16/2015	Analysis Da	ate: 1′	1/17/2015	S	SeqNo: 9	23841	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydr	ocarbons, TR	110	20	100.0	0	114	83.6	116			
Sample ID	LCSD-22354	SampTy	/pe: LC	SD	Tes	tCode: El	PA Method	418.1: TPH			
Client ID:	LCSS02	Batch	ID: 22	354	F	RunNo: 3	0289				
Prep Date:	11/16/2015	Analysis Da	ate: 11	1/17/2015	S	SeqNo: 9	23842	Units: mg/K	ig		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydr	ocarbons, TR	120	20	100.0	0	115	83.6	116	1.29	20	

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

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Client: Animas Environmental

Project: COPC SJ 32-9 Unit 56

Sample ID MB-22273	SampType: MBLK	Те	stCode: EPA Method	e: EPA Method 8015M/D: Diesel Range Organics				
Client ID: PBS	Batch ID: 22273		RunNo: 30150					
Prep Date: 11/10/2015	Analysis Date: 11/11/2	2015	SeqNo: 918894	Units: mg/Kg				
Analyte	Result PQL SPM	Value SPK Ref Val	I %REC LowLimit	HighLimit %RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	ND 10							
Surr: DNOP	11	10.00	110 70	130				
		1000 A	and an and a second second second second					
Sample ID LCS-22273	SampType: LCS	Те	stCode: EPA Method	8015M/D: Diesel Rang	e Organics			
Client ID: LCS-22273	SampType: LCS Batch ID: 22273		stCode: EPA Method RunNo: 30150	8015M/D: Diesel Rang	e Organics			
				8015M/D: Diesel Rang Units: mg/Kg	e Organics			
Client ID: LCSS	Batch ID: 22273 Analysis Date: 11/11/2		RunNo: 30150 SeqNo: 918897	2	e Organics RPDLimit	Qual		
Client ID: LCSS Prep Date: 11/10/2015	Batch ID: 22273 Analysis Date: 11/11/2	2015	RunNo: 30150 SeqNo: 918897	Units: mg/Kg	-	Qual		

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

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Client: Animas Environmental

Project: COPC SJ 32-9 Unit 56

RPDLimit (Qual
RPDLimit (Qual
RPDLimit (Qual
	RPDLimit

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

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QC SUMMARY REPO	DRT
Hall Environmental Analy	ysis Laboratory, Inc.

Client: Animas Environmental

Project: COPC SJ 32-9 Unit 56

Sample ID	MB-22278	SampT	уре: МЕ	BLK	TestCode: EPA Method 8021B: Volatiles									
Client ID:	PBS	Batch	n ID: 22	278	F	RunNo: 3								
Prep Date:	11/10/2015	Analysis D	ate: 11	/11/2015	ę	SeqNo: 9	19328	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-Brom	nofluorobenzene	1.1		1.000		109	80	120						
Sample ID	LCS-22278	SampT	ype: LC	s	Tes	tCode: El	PA Method	8021B: Vola	tiles					
Client ID:	LCSS	Batch	1D: 22	278	F	RunNo: 3	0159							
Prep Date:	11/10/2015	Analysis D	ate: 11	/11/2015	S	SeqNo: 9	19330	Units: mg/h	٢g					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene		0.96	0.050	1.000	0	96.4	80	120						
Toluene		0.94	0.050	1.000	0	94.2	80	120						
Ethylbenzene		0.99	0.050	1.000	0	98.8	80	120						
Xylenes, Total		3.0	0.10	3.000	0	101	80	120						
				1 000		110	00	120						
Surr: 4-Brom	nofluorobenzene	1.2		1.000		116	80	120						
	1511374-001AMS		ype: MS		Tes			8021B: Vola	tiles					
		SampT	ype: MS	1			PA Method		tiles					
Sample ID	1511374-001AMS	SampT	n ID: 222	5 278	F	tCode: El	PA Method 0159							
Sample ID Client ID:	1511374-001AMS BGT S-1	SampT Batch	n ID: 222	278 /11/2015	F	tCode: El	PA Method 0159	8021B: Vola		RPDLimit	Qual			
Sample ID Client ID: Prep Date:	1511374-001AMS BGT S-1	SampT Batch Analysis D	n ID: 222 Pate: 11	278 /11/2015	F	tCode: EF RunNo: 30 SeqNo: 91	PA Method 0159 19335	8021B: Vola Units: mg/ዞ	٢g	RPDLimit	Qual			
Sample ID Client ID: Prep Date: Analyte	1511374-001AMS BGT S-1	SampT Batch Analysis D Result	n ID: 222 Pate: 11 PQL	278 /11/2015 SPK value	F SPK Ref Val 0 0	tCode: El RunNo: 3 SeqNo: 9 %REC	PA Method 0159 19335 LowLimit 69.6 76.2	8021B: Vola Units: mg/k HighLimit	٢g	RPDLimit	Qual			
Sample ID Client ID: Prep Date: Analyte Benzene	1511374-001AMS BGT S-1	SampT Batch Analysis D Result 1.0	n ID: 222 Date: 11 PQL 0.050	278 /11/2015 SPK value 0.9950	F SPK Ref Val 0	tCode: EF RunNo: 30 SeqNo: 9 %REC 104	PA Method 0159 19335 LowLimit 69.6	8021B: Vola Units: mg/# HighLimit 136 134 137	٢g	RPDLimit	Qual			
Sample ID Client ID: Prep Date: Analyte Benzene Toluene	1511374-001AMS BGT S-1	SampT Batch Analysis D Result 1.0 1.0	DID: 222 pate: 11 PQL 0.050 0.050	278 /11/2015 SPK value 0.9950 0.9950	F SPK Ref Val 0 0	tCode: Ef RunNo: 30 SeqNo: 9 %REC 104 101 104 106	PA Method 0159 19335 LowLimit 69.6 76.2 75.8 78.9	8021B: Vola Units: mg/k HighLimit 136 134 137 133	٢g	RPDLimit	Qual			
Sample ID Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total	1511374-001AMS BGT S-1	SampT Batch Analysis D Result 1.0 1.0 1.0	Date: 11 PQL 0.050 0.050 0.050	278 /11/2015 SPK value 0.9950 0.9950 0.9950	F SPK Ref Val 0 0 0	tCode: Ef RunNo: 30 SeqNo: 9 %REC 104 101 104	PA Method 0159 19335 LowLimit 69.6 76.2 75.8	8021B: Vola Units: mg/# HighLimit 136 134 137	٢g	RPDLimit	Qual			
Sample ID Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom	1511374-001AMS BGT S-1 11/10/2015	SampT Batch Analysis D Result 1.0 1.0 1.0 3.2 1.2	Date: 11 PQL 0.050 0.050 0.050	278 /11/2015 SPK value 0.9950 0.9950 0.9950 2.985 0.9950	F SPK Ref Val 0 0 0 0	tCode: Ef RunNo: 30 SeqNo: 9 %REC 104 101 104 106 117	PA Method 0159 19335 LowLimit 69.6 76.2 75.8 78.9 80	8021B: Vola Units: mg/k HighLimit 136 134 137 133	(g %RPD	RPDLimit	Qual			
Sample ID Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom	1511374-001AMS BGT S-1 11/10/2015 nofluorobenzene	SampT Batch Analysis D Result 1.0 1.0 3.2 1.2 D SampT	Pate: 11 PQL 0.050 0.050 0.050 0.050 0.10	278 /11/2015 SPK value 0.9950 0.9950 0.9950 2.985 0.9950	F SPK Ref Val 0 0 0 0 Tes	tCode: Ef RunNo: 30 SeqNo: 9 %REC 104 101 104 106 117	PA Method 0159 19335 LowLimit 69.6 76.2 75.8 78.9 80 PA Method	8021B: Vola Units: mg/k HighLimit 136 134 137 133 120	(g %RPD	RPDLimit	Qual			
Sample ID Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom	1511374-001AMS BGT S-1 11/10/2015 nofluorobenzene 1511374-001AMSE	SampT Batch Analysis D Result 1.0 1.0 3.2 1.2 D SampT	PQL 0.050 0.050 0.050 0.050 0.10 ype: MS	278 /11/2015 SPK value 0.9950 0.9950 0.9950 2.985 0.9950 5D 278	F SPK Ref Val 0 0 0 0 0 Tes F	tCode: EF RunNo: 3 SeqNo: 9 %REC 104 101 104 106 117 tCode: EF	PA Method 0159 19335 LowLimit 69.6 76.2 75.8 78.9 80 PA Method 0159	8021B: Vola Units: mg/k HighLimit 136 134 137 133 120	(g %RPD tiles	RPDLimit	Qual			
Sample ID Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brorr Sample ID Client ID:	1511374-001AMS BGT S-1 11/10/2015 nofluorobenzene 1511374-001AMSE BGT S-1	SampT Batch Analysis D Result 1.0 1.0 1.0 3.2 1.2 D SampT Batch Analysis D Result	PQL 0.050 0.050 0.050 0.050 0.050 0.050 0.10 vype: MS vype: MS vate: 11 PQL	278 /11/2015 SPK value 0.9950 0.9950 0.9950 2.985 0.9950 2.985 0.9950 5D 278 /11/2015 SPK value	F SPK Ref Val 0 0 0 0 Tes F SPK Ref Val	tCode: EF RunNo: 3 SeqNo: 9 %REC 104 101 104 106 117 tCode: EF RunNo: 3 SeqNo: 9 %REC	PA Method 0159 19335 LowLimit 69.6 76.2 75.8 78.9 80 PA Method 0159 19337 LowLimit	8021B: Vola Units: mg/P HighLimit 136 134 137 133 120 8021B: Vola Units: mg/P HighLimit	(g %RPD tiles (g %RPD	RPDLimit	Qual			
Sample ID Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID Client ID: Prep Date:	1511374-001AMS BGT S-1 11/10/2015 nofluorobenzene 1511374-001AMSE BGT S-1	SampT Batch Analysis D Result 1.0 1.0 1.0 3.2 1.2 D SampT Batch Analysis D Result 1.0	PQL 0.050 0.050 0.050 0.050 0.050 0.050 0.10 ype: MS 1D: 222 hate: 11 PQL 0.048	278 /11/2015 SPK value 0.9950 0.9950 0.9950 2.985 0.9950 2.985 0.9950 278 /11/2015 SPK value 0.9699	F SPK Ref Val 0 0 0 0 Tes F SPK Ref Val 0	tCode: EF RunNo: 3 SeqNo: 9 %REC 104 101 104 106 117 tCode: EF RunNo: 3 SeqNo: 9 %REC 108	PA Method 0159 19335 LowLimit 69.6 76.2 75.8 78.9 80 PA Method 0159 19337 LowLimit 69.6	8021B: Vola Units: mg/P HighLimit 136 134 137 133 120 8021B: Vola Units: mg/P HighLimit 136	(g %RPD tiles (g %RPD 1.01	RPDLimit 20				
Sample ID Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brorr Sample ID Client ID: Prep Date: Analyte	1511374-001AMS BGT S-1 11/10/2015 nofluorobenzene 1511374-001AMSE BGT S-1	SampT Batch Analysis D Result 1.0 1.0 1.0 3.2 1.2 D SampT Batch Analysis D Result 1.0 1.0	A ID: 222 Pate: 11 PQL 0.050 0.050 0.050 0.050 0.050 0.10 Vype: MS 1D: 222 1D: 222 1D: 223 1D: 224 0.048 0.048 0.048	278 /11/2015 SPK value 0.9950 0.9950 2.985 0.9950 2.985 0.9950 5D 278 /11/2015 SPK value 0.9699 0.9699	F SPK Ref Val 0 0 0 0 0 Tes F SPK Ref Val 0 0	tCode: EF RunNo: 3 SeqNo: 9 %REC 104 101 104 106 117 tCode: EF RunNo: 3 SeqNo: 9 %REC 108 104	PA Method 0159 19335 LowLimit 69.6 76.2 75.8 78.9 80 PA Method 0159 19337 LowLimit 69.6 76.2	8021B: Vola Units: mg/P HighLimit 136 134 137 133 120 8021B: Vola 8021B: Vola Units: mg/P HighLimit 136 134	(g %RPD tiles (g %RPD 1.01 0.255	RPDLimit 20 20				
Sample ID Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brorr Sample ID Client ID: Prep Date: Analyte Benzene	1511374-001AMS BGT S-1 11/10/2015 nofluorobenzene 1511374-001AMSE BGT S-1	SampT Batch Analysis D Result 1.0 1.0 1.0 3.2 1.2 D SampT Batch Analysis D Result 1.0 1.0 1.0	ID: 222 ate: 11 PQL 0.050 0.050 0.050 0.050 0.10 ype: MS nID: 222 nID: 24 0.048 0.048 0.048 0.048	278 /11/2015 SPK value 0.9950 0.9950 2.985 0.9950 2.985 0.9950 5D 278 /11/2015 SPK value 0.9699 0.9699 0.9699	F SPK Ref Val 0 0 0 0 0 Tes F SPK Ref Val 0 0 0 0	tCode: EF RunNo: 3 SeqNo: 9 %REC 104 101 104 106 117 tCode: EF RunNo: 3 SeqNo: 9 %REC 108 104 108	PA Method 0159 19335 LowLimit 69.6 76.2 75.8 78.9 80 PA Method 0159 19337 LowLimit 69.6 76.2 75.8	8021B: Vola Units: mg/P HighLimit 136 134 137 133 120 8021B: Vola Units: mg/P HighLimit 136 134 137	(g %RPD tiles (g %RPD 1.01 0.255 0.697	RPDLimit 20 20 20				
Sample ID Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brorr Sample ID Client ID: Prep Date: Analyte Benzene Toluene	1511374-001AMS BGT S-1 11/10/2015 nofluorobenzene 1511374-001AMSE BGT S-1	SampT Batch Analysis D Result 1.0 1.0 1.0 3.2 1.2 D SampT Batch Analysis D Result 1.0 1.0	A ID: 222 Pate: 11 PQL 0.050 0.050 0.050 0.050 0.050 0.10 Vype: MS 1D: 222 1D: 222 1D: 223 1D: 224 0.048 0.048 0.048	278 /11/2015 SPK value 0.9950 0.9950 2.985 0.9950 2.985 0.9950 5D 278 /11/2015 SPK value 0.9699 0.9699	F SPK Ref Val 0 0 0 0 0 Tes F SPK Ref Val 0 0	tCode: EF RunNo: 3 SeqNo: 9 %REC 104 101 104 106 117 tCode: EF RunNo: 3 SeqNo: 9 %REC 108 104	PA Method 0159 19335 LowLimit 69.6 76.2 75.8 78.9 80 PA Method 0159 19337 LowLimit 69.6 76.2	8021B: Vola Units: mg/P HighLimit 136 134 137 133 120 8021B: Vola 8021B: Vola Units: mg/P HighLimit 136 134	(g %RPD tiles (g %RPD 1.01 0.255	RPDLimit 20 20				

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
 - Sample pH Not In Range
- RL Reporting Detection Limit

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87169 TEL: 505-345-3975 FAX: 505-345-4167 Website: www.ballenvironmental.com

Sample Log-In Check List

Client Name: Animas Environmental Work Orde	r Number: 1511374		ReplNo: 1	
Received by/date: AT 11118	115			
Logged By: Ashley Gallegos 11/10/2015 6	50:00 AM	star		
Completed By: Ashley Gallegos 11/10/2015 8	L N ST	ster		
		22-0		
<u> </u>	15			
Chain of Custody	Yes	No 🗍	Not Present 🔽	
 Custody seals intact on sample bottles? Is Chain of Custody complete? 	Yes 🗹		Not Present	
3. How was the sample delivered?	Courier			
3. How was the sample derivered?	Conter			
<u>Log In</u>				
4. Was an attempt made to cool the samples?	Yes 🔽	No 🗌	NA 🗆	
5. Were all samples received at a temperature of >0° C to 6	.0°C Yes 🗹	No 🗆	NA	
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 🗌 I	Phone 📃 Fax	In Person	
Regarding:				
Client Instructions:				
17. Additional remarks:				
18. <u>Cooler Information</u> Cooler No Temp °C Condition Seal Intact Se	eal No Seal Date	Signed By		
1 1.3 Good Yes				

	121			1			112				(N	10	Y) səlddu8 riA			Τ								1.
HALL ENVIRONMENTAL	ANALYSIS LABORATORY	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109	Fax 505-345-4107	Analysis Request																	er		If necessary, sarigles submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.
FNV	YSIS	allenviro	- Albuq		unalysis											+				 	Phillips	schwande		d data will b
HALL	ANAL	h.www	vkins NE	Tel. 505-345-3975	A						ຄ)	CI	08 A93 - H9T	×	 _		_			 	 Remarks: Bill to Conoco Phillips	wo # Supervisor: Chris Neuenschwander	USEKIU: GARRECU Area: 3 Ordered by:	ub-contracte
_			Hav	505-		-				100	_		Chlorides - 300	^ ×	 	_	+	+	-	 	 Bill to	: Chr	SARF:	Any s
			4901	Tel.		-							814 A93 - H9T	×		-	+	-		 	 arks:	+ ervisol	USERID: G/ Area: 3 Ordered by:	ssibility.
	٦L												81208 - XƏTB	×							Rem	Superv # Ow	USEKII Area: 3 Ordered	this pos
	it 56												HEALNO 15713-74	100-							Date Time	C911 21/2/11	Date Time	is serves as notice of
	۲ ۲		:2-9 Ur								OXT 1	Ŷ			 						 Δ.	11/9	Date	ories. Thi
	_ Rush		COPC SJ 32-9 Unit 56				er:	E. Skyles		.61955e -	語言ない語り	erature: X	Preservative Type	cool							•	Hart	June	ccredited laborato
I URIN-ALOURIU I IRRE.	X Standard	Project Name:		Project #:			Project Manager:			S	25 S	Sample Temperature.	Container Type and #	2 - 4 oz.							Received by:	-th/	Réceived by:	contracted to other a
Chain-of-Custody Record	Animas Environmental Services, LLC		vinon St.	Farmington, NM 87401	jan,	eskyles@animasenvironmental.co	E		Level 4 (Full Validation)				Sample Request ID	BGT S-1							d by:	H Splech	puished by: Much Woele	ted to Hall Environmental may be sub
t-Cust	: Environ		604 W Pinon St	Farming	-2281	eskyles(c				Ċ			Matrix	SOIL							Relinquished by:	-ten		sartigles submi
o-uler	Animas		ldress:		505-564-2281		ax#:	ckage:	rd	tion:		(ype)	Time	1330						 	Time:	611	Time:	If necessary, s
วิ	Client:		Mailing Address:	1	Phone #:		Email or Fax#:	QA/QC Package:	X Standard	Accreditation:		EDD (Type)	Date	11-9-15							Date: C	11/4/15	il [G] 15	

San Juan 32-9 Unit 56

