

Release Report/ General Correspondence

Elm Ridge Pipeline

Date: 2015

		REC	EIVED	
District I				State of New Mexico
1625 N. French Dr., Hobbs	M 882	.40		State of New Mexico
District II			Ener	Minerals and Natural Resources
811 S. First St., Artesia,	88210	MAD	l 2 2015	
District III			14 ZUIJ	Conservation Division
1000 Rio Brazos Road,	:, NM 8	7410		
District IV		AIA A		20 South St. Francis Dr.

Form C-141 Revised August 8, 2011

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

API No. 30-039-24065

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Rele

1 NM 8/36MOCD

otification and Corrective Action

	OPERATOR	Initial Report	Final Report
Name of Company: Elm Ridge Exploration CO d.b.a Beeline Gas Systems	Contact: Cory Smith		
Address: 2001 E. Blanco Blvd Bloomfield, NM 87413	Telephone No. 505-486-5955		
Facility Name: Canyon Compressor Station	Facility Type: Pigging/Separato	r facility	

Santa Fe, NM 87505

Surface Owner BLM

1220 S. St. Francis Dr., Sar

I OCATION OF DELEASE

Mineral Owner N/A

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	1	23N	7W	650	North	1,050	West	Rio Arriba

Latitude N 36° 15.5' Longitude W 107° 32.0'

NATURE OF RELEASE Type of Release Crude Oil/Condensate Volume of Release 380 BBL Volume Recovered 380 BBL Source of Release Tank Overflow Date and Hour of Occurrence Date and Hour of Discovery Oct 24 Early Morning Oct 24 1245 Was Immediate Notice Given? If YES, To Whom? Yes 🗌 No 🗍 Not Required Jonathan Kelly By Whom? Cory Smith Date and Hour October 24 2013 at 1337 If YES, Volume Impacting the Watercourse. Was a Watercourse Reached? OIL CONS. DIV DIST. 3 Yes No If a Watercourse was Impacted, Describe Fully.* NOV 1 4 2013 Describe Cause of Problem and Remedial Action Taken.* Separator receiver a large unexpected slug of Crude Oil which dumped to the water pit and overflowed.

On October 28th Another Slug was received over the weekend and was dumped into the Oil Storage tank. Because the previous release put us at our max capacity and we were rejected to sell oil based on water content our tank was near capacity and it too had an overflow into a fully lined berm. The spill was contained and cleaned up and put back in the storage tank once it had room.

Describe Area Affected and Cleanup Action Taken.*

: 3.

The water pit tank over flowed with crude oil and filled the volume between the pit and containment ring. Crude oil overflowed the rain berm on the pit and ran approximately 30 yards to the NW and pooled next to another tank berm. The free standing liquids were cleaned up with a water truck and put into oil storage at the facility. The containment ring and pit liners were cleaned using a power washer and then put back into operation. Excavation of contaminated soil was removed to an offsite remediation facility at envirotech landfill #2.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal state or local ways and/or regulations.

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	OIL CONSERVATION	DIVISION			
Signature:					
Printed Name: Cory Smith	Approved by Environmental Specialist: Journal) Kelly				
Title: Regulatory Compliance	Approval Date: 3/19/2015 Expiration D	Date:			
E-mail Address: csmith@elmridge.ent	Conditions of Approval:	Attached			
Date: 11/14/13 Phone: 505-634-1144					
Attach Additional Sheets If Necessary	THEALDAFFOR				
	NJK 150 100 55970	(4)			



Animas Environmental Services, LLC

www.animasenvironmental.com

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

> Durango, Colorado 970-403-3084

November 20, 2013

Cory Smith Beeline Gas Systems 2001 E. Blanco Blvd Bloomfield, New Mexico 87413

Via electronic mail to: <u>CSmith@elmridge.net</u>

OIL CONS. DIV DIST. 3 NOV 2 2 2013

RE: Final Excavation Report Canyon Compressor Station NW¼ NW¼, Section 1, T23N, R7W Rio Arriba County, New Mexico

Dear Mr. Smith:

On October 27 and 28, 2013, Animas Environmental Services, LLC (AES) completed an environmental clearance of the final excavation limits associated with a release at the Elm Ridge Exploration Company Canyon Compressor Station, located in Rio Arriba County, New Mexico. The total release consisted of approximately 380 barrels (bbls) of crude oil and condensate released partially from the below grade tank (BGT) on October 24, 2013, and partially from the production tank on October 28, 2013. The partial release from the BGT on October 24, 2013, filled the BGT and containment, overflowed the earthen berm, and migrated across the surface to the northwest where it pooled next to the berm around the production tanks. The other portion of the release, which occurred on October 28, 2013, overflowed from the 300 bbl production tank into the lined containment area. The final excavation was completed by Beeline Gas System (Beeline) contractors while AES was on location on October 27 and 28, 2013.

1.0 Site Information

1.1 Location

Location – NW¼ NW¼, Section 1, T23N, R7W, Rio Arriba County, New Mexico Release Location Latitude/Longitude – N36.25896 and W107.53274, respectively Land Jurisdiction – Bureau of Land Management (BLM) Figure 1. Topographic Site Location Map Figure 2. Aerial Site Map

1.2 NMOCD Ranking

In accordance with New Mexico Oil Conservation Division (NMOCD) release protocols, action levels were established per NMOCD *Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993) prior to site work. The location was given a ranking score of 10 based on the following factors:

- Depth to Groundwater: A C-144 dated September 2008 for the Thirlaway #1, located immediately to the west of the release location, reports depth to groundwater as greater than 100 feet below ground surface (bgs). (0 points)
- Wellhead Protection Area: The release location is not within a wellhead protection area. (0 points)
- Distance to Surface Water Body: The release location is between two tributary washes in Johnson Canyon. One tributary is approximately 200 feet to the north, and the other tributary is approximately 245 feet to the southeast from the furthest extents of the release path. (10 points)

1.3 Assessment and Mitigation

On October 24, 2013, Heather Woods of AES visited the location with Cory Smith of Beeline following the release from the BGT. Beeline contractors utilized a pump truck to collect free standing liquids, which were transferred to the production tank on location.

The initial excavation of impacted soils was completed on October 27, 2013. Based on initial field screening of composite soil samples, AES provided excavation oversight and also collected additional composite soil samples from the walls and base of the BGT excavation and release path excavation on October 28, 2013. Free standing liquids and water used to clean the tank and liner from the overflow of the production tank on October 28, 2013, were also pumped from the lined containment area and returned to the production tank.

The area of the final BGT excavation was approximately 774 ft² by 15 feet in depth, and the area of the final release path excavation was approximately 1,460 ft² by 0.5 to 2 feet in depth. The excavation was backfilled with clean, imported material, and the impacted soil was transported to the Envirotech Landfarm, south of Bloomfield, New Mexico, for proper disposal. Waste manifests are attached. Sample locations and final excavation extents are shown on Figure 3, and a photograph log is also attached.

2.0 Soil Sampling

A total of 13 composite soil samples were collected during the assessment on October 27 and 28, 2013. Three soil samples (S-1 through S-3) were collected during the assessment for excavation guidance; four confirmation soil samples (SC-1 through SC-4) were collected from the release path excavation; and six confirmation soil samples (SC-5 through SC-10) were collected from the BGT excavation. All soil samples were field screened for volatile organic compounds (VOCs) and total petroleum hydrocarbons (TPH). Two composite samples, BGT Excavation Composite (equal portions of SC-5 through SC-10) and Release Path Excavation Composite (equal portions of SC-1 through SC-4), were submitted for confirmation laboratory analysis.

2.1 Field Screening

2.1.1 Volatile Organic Compounds

Field screening for VOC vapors was conducted 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

Field TPH samples were analyzed 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.

2.2 Laboratory Analyses

The soil samples collected for laboratory analysis were placed into new, clean, laboratory-supplied containers, which were then labeled, placed on ice, and logged onto a sample chain of custody record. Samples were maintained on ice until delivery to the analytical laboratory, Hall Environmental Analysis Laboratory (Hall) in Albuquerque, New Mexico. Soil samples were laboratory analyzed for:

- Benzene, toluene, ethylbenzene, and xylene (BTEX) per U.S. Environmental Protection Agency (USEPA) Method 8021B; and
- Chlorides per USEPA Method 300.0.

2.3 Field Screening and Laboratory Analytical Results

Soil field screening results for VOCs via OVM showed concentrations ranging from 2.5 ppm in SC-8 up to 1,681 ppm in S-3. Field TPH concentrations ranged from 37.4 mg/kg in SC-9 up to 1,580 mg/kg in S-3. Results are included below in Table 1 and on Figure 3. The AES Field Screening Report is attached.

Canyon Compressor Station Final Excavation, October 2013								
		Sample	VOCs	Field				
	Date	Depth	via OVM	ТРН				
Sample ID	Sampled	(ft bgs)	(ppm)	(mg/kg)				
	NMOCD Ad	ction Level*	100	1,000				
S-1	10/27/13	0.5 to 1	274	797				
S-2	10/27/13	0.5	231	778				
S-3	10/27/13	11	1,681	1,580				
SC-1	10/27/13	1 to 1.5	6.8	145				
SC-2	10/27/13	1.5 to 2	64.7	52.0				
SC-3	10/28/13	1.5 to 2	3.3	70.8				
SC-4	10/28/13	0.5 to 1	2.8	62.4				
SC-5	10/28/13	1 to 15	2.6	63.6				
SC-6	10/28/13	1 to 15	4.1	63.6				
SC-7	10/28/13	15	3.0	73.1				
SC-8	10/28/13	1 to 15	2.5	115				
SC-9	10/28/13	1 to 15	3.0	37.4				
SC-10	10/28/13	1 to 15	2.9	105				

Table 1.	Field Screening VOCs and TPH Results
nvon Compr	essor Station Final Excavation. October 201

*Action level determined by the NMOCD ranking score per NMOCD Guidelines for Leaks, Spills, and Releases (August 1993)

Laboratory analytical results were used to confirm field screening results from the release assessment. Benzene, total BTEX, and chloride concentrations were reported below laboratory detection limits of 0.050 mg/kg, 0.25 mg/kg, and 30 mg/kg, respectively. Results are presented in Table 2 and on Figure 3. The laboratory analytical report is attached.

Total BTEX Chlorides	lenzene	Sample Depth	Canyon Compressor S				
(mg/kg) (mg/kg) 50	mg/kg) (10	(ft bgs) /*	Sampled	Sample ID			
50		1.	D ALLION LEVE	BGT			
<0.25 <30	<0.050	1 to 15	10/28/13	Excavation			
<0.25 <50	CU.USU	1 (0 15	10/26/15				
				Composite Release Path			
<0.25 <30	~0.050	1 +0 3	10/20/12				
<0.25 <50	<0.050	1 10 2	10/28/13				
<0.2	<0.050	1 to 2	10/28/13	Excavation Composite			

Table 2. Laboratory Analytical Results – Benzene, Total BTEX and Chlorides
Canyon Compressor Station Final Excavation, October 2013

*Action level determined by the NMOCD ranking score per NMOCD Guidelines for Leaks, Spills, and Releases (August 1993)

3.0 Conclusions and Recommendations

On October 27 and 28, 2013, AES conducted a release assessment of the excavation area associated with a crude oil and condensate release at the Canyon Compressor Station. Action levels for releases are determined by the NMOCD ranking score per *NMOCD Guidelines for Leaks, Spills, and Releases* (August 1993), and the site was assigned a rank of 10.

Field screening results for excavation guidance samples S-1 through S-3 reported VOC concentrations above the NMOCD action level of 100 ppm VOCs, with the highest VOC concentration reported in S-3 with 1,681 ppm. Field TPH concentrations in S-1 and S-2 were below the NMOCD action level of 1,000 mg/kg; however, TPH concentrations exceeded the NMOCD action level in S-3 with 1,580 mg/kg. Following additional excavation of the areas associated with S-1 through S-3 on October 28, 2013, field screening results showed VOC and TPH concentrations in SC-1 through SC-10 below the NMOCD action levels 100 ppm VOCs and 100 mg/kg TPH for all the excavation confirmation samples. Laboratory analytical results for the BGT Excavation Composite and Release Path Excavation Composite samples were used to confirm field screening results. Benzene and total BTEX concentrations were reported below the NMOCD action levels of 10 mg/kg benzene and 50 mg/kg total BTEX for each sample. Chloride concentrations were below the laboratory detection limit of 30 mg/kg in each sample.

Based on the final field screening and laboratory analytical results of the excavation of petroleum contaminated soils at the Canyon Compressor Station, benzene, total BTEX, and TPH concentrations were below the applicable NMOCD action levels for the final

Cory Smith Canyon Compressor Station Final Excavation Report November 20, 2013 Page 6 of 6

sidewalls and the base of the excavation, as well as for the release path. No further work is recommended at the Canyon Compressor Station release area.

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

Sincerely,

Aleather M. Woods

Heather M. Woods, P.G. Project Manager

Elizabeth V MeNdly

Elizabeth McNally, PE

Attachments:

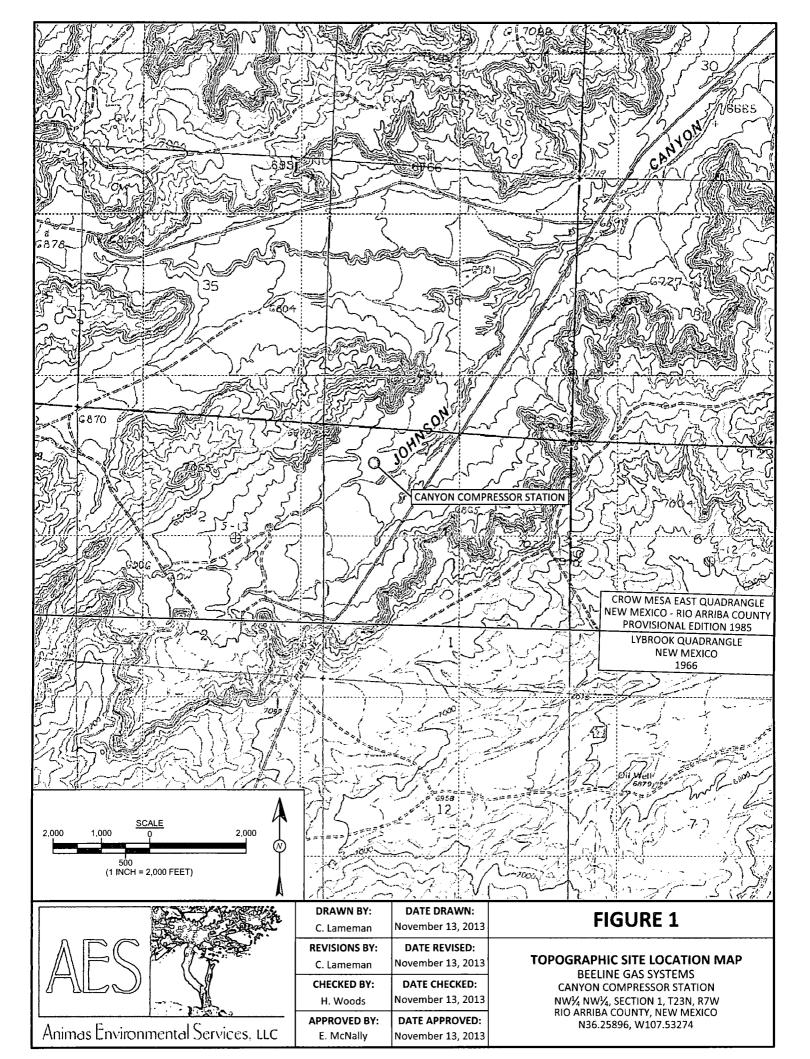
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Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map, October 2013
Figure 3. Excavation Sample Locations and Results, October 2013
Disposal Manifests (Envirotech 44984, 44986, 44991, 45005, 45006, 45008, 45013 through 45016, and 45023 through 45026)
Photograph Log
AES Field Screening Report 102813
Hall Laboratory Analytical Report 1310D94

Cc: Brandon Powell New Mexico Oil Conservation Division 1000 Rio Brazos Road Aztec, NM 87410

> Shari Ketcham *Via email with delivery confirmation receipt to*: <u>sketcham@blm.gov</u> Bureau of Land Management 6251 College Blvd., Suite A Farmington, NM 87401

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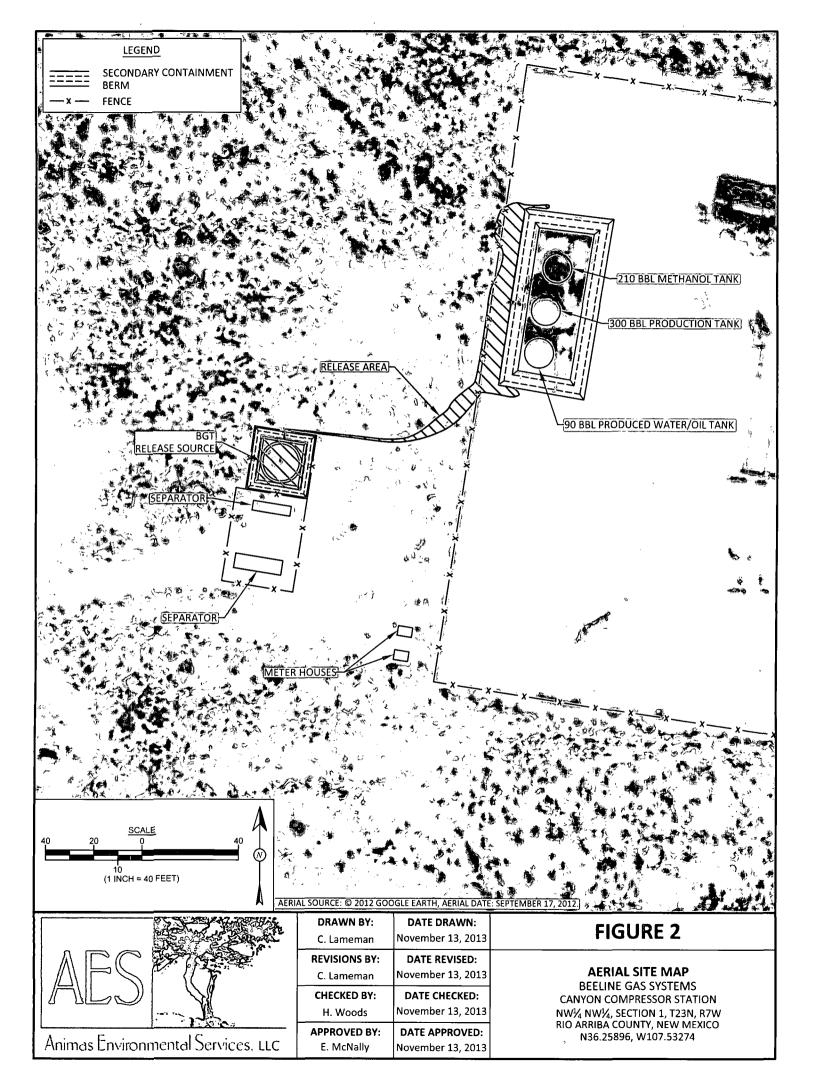
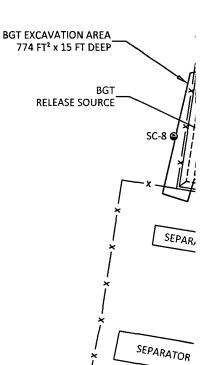


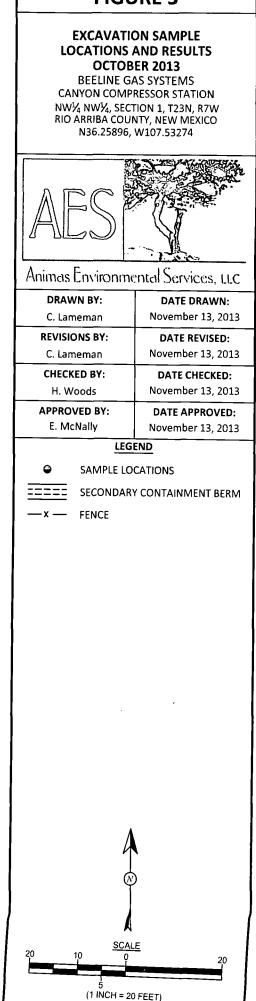
FIGURE 3

Field Screening						
Sample ID	Date	Depth (ft)				
N	MOCD ACT	ION LEVI				
S-1	10/27/13	0.5 to 1				
S-2	10/27/13	0.5				
S-3	10/27/13	11				
SC-1	10/28/13	1 to 1.5				
SC-2	10/28/13	1.5 to 2				
SC-3	10/28/13	1.5 to 2				
SC-4	10/28/13	0.5 to 2				
SC-5	10/28/13	1 to 15				
SC-6	10/28/13	1 to 15				
SC-7	10/28/13	15				
SC-8	10/28/13	1 to 15				
SC-9	10/28/13	1 to 15				
SC-10	10/28/13	1 to 15				
ALL SAMPLES WERE 5-POINT CO.						

Laboratory Analytica							
Sample ID	Date	Depth (ft)	Bei (m				
NMC	CD ACTION LE	VEL					
BGT Excavation Composite	10/28/13	1 to 15	ANK <Ċ				
Release Path Excavation Composite	10/28/13	1 to 2	<0				
RELEASE PATH EXCAVATION COMPOSITE WAS A C BGT EXCAVATION COMPOSITE WAS A COMPOSITE ALL SAMPLES WERE ANALYZED PER EPA METHOD							



x





MANIFEST #	_449	84
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DATE 10-24-13 JOB # 0301-0010

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

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White's Company Records, Vallow, Billing, Dink, Contempor



MANIFEST # 44986

DATE 10-25 JOB # 07152-0010

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

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MANIFEST # 44991

DATE 10-25-13 JOB # 07152-0010

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

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MANIFEST # 45005

DATE 10-28-13 JOB # 07152-0010

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

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DATE 10-28-13008 # 07152-0010

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Signatures required prior to distribution of the legal document.



MANIFEST # 45008

DATE 10-28-13 JOB # 07152-0010

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD	COM	ION OF SHIPMEI		TRANSPORTING COMPANY						
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	PAINT FILTER TEST									ROC
mentione	g as the driver/transporter, 1 d d Generator/Point of Origin a	ed that no addition	hal material has be	en added o	hr mixed inte	h the loa	d			
TRANSPC	PRTER CO. D.	a la	NAME	R.I.C	ha	<	SIGNATURE	K		
	CONTACT R.L.	PP	DATE //	0-2	8-	13				
	es required prior to distribution	iment.				~	νο Το που ματή τη αγώνη η απηγοριτή του το τη αποτοριατική από το από το από το από Το ποι το ποι το ποι το ποι το			



MANIFEST # 45013

DATE 10-29-13 JOB # 07152-0010

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

	СОМ	ORTING								
LOAD NO.		1	I	1	1		<u> </u>	1		······································
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Etech	Beeline Gassys	Clean		12	-	MOSS	15	808	Mothe BM
2	>>	CONVON COMP. Station	Soil		12		MOSS	47	810	Los Mon
3	L C	ti ji	11	÷.	12	~	MOSS	15	1040	THEM
4	(,	K 4	1.	_	12		moss	47	1040	fee moss/
5	<u>()</u>)(te.		-	12		moss	47	1340	Lea More
6	1/	N 1.	11	~	12	-	moss	15	1355	Min Bull
				<i>"</i> »	172					"
					1 -					<i></i>
		- - -								
RESULT	S: CHLORIDE TEST	LANDFARM EMPLOYEE:	Aur	Pili	ns an	Bow	NOTES:			
1	PAINT FILTER TEST	Certifi	cation of above re	ceival & pla		<u> </u>				RD
mentione	g as the driver/transporter, I d Generator/Point of Origin a RTER CO.		al material has he		or mixed int	a the los	d	4/	ertify the	material is from the above
COMPANY	INY CONTACT PHONE C							2-2	9-1	3.
Signature	s required prior to distributio	quired prior to distribution of the legal document.								and the second se

Milder Onemanic Description (Million, Million, M



MANIFEST # 45014 DATE 10-29-13 JOB # 07152-0010

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD	C	COMPLETE DESCRIPTION OF SHIPMENT							RTING	COMPA	NY
NO.		I DES	STINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
	Balline Gas system	5 -	-11	Con't Soil	C-24	12	_	moss	15	1040	Ach BME
2	Cunyoru Com			<u>ر ۱</u>	C-24	12		moss	47	1040	Lea mas
3	5 rai 11	11		()	2.24	12		moss	15	1340	Tathe Bree
4	11 1	1	1	(2-24	12		MOSS	47.	1340	Lee mos
5	11 1	1	l ⊥r	f i	2-24	12	-	moss	47	1650	Lee mosa
6	11	((1	C-24	12		MOSS	15	1635	Von BMC
						12					
						10					/
	· · · ·										
				angen en e							
RESULT	T		NDFARM	1	D	ind		NOTES:			
4287			IPLOYEE:	locly,	MOU	MDG	17				F.DC
		2		cation of above re			Bour				×
By signin mentione	g as the driver/transport d Generator/Point of Ori	er, I certify gin and the	the material at no additior	hauled from the a nal material has be	above locati sen added o	on has not or mixed int	been ad o the loa	ded to or tampered d.	with. I ce	ertify the	material is from the above 2^{2}
						A. I. I.		1/d	Lek	SM/	
COMPAN		PHONE			A. A				13		
	s required prior to distril								,		

White - Company Banarda Vallaus Billian Mal. Outran



MANIFEST #	45015
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DATE 10.29.13 JOB # 07152-010

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD	COMF	COMPLETE DESCRIPTION OF SHIPMENT							TRANSPORTING COMPANY			
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE		
1	Eitech	Beeline	Clean Fill		16	******	DelProdo	('	132	Replying .		
2	ri i Canyo	System's	Soil		16	•	DelPrudo	1	1147	Rold Reach		
3	(s.t. 1.)	station.	- VJ	~	16		DelPrado	l	1425	Mich Puedo		
					11.9							
	1				70		· · · · · · · · · · · · · · · · · · ·					
			ng mga katala shi ka				annahmu yanga dan ang ang ang ang ang ang ang ang ang a					
RESULTS	······································	BOW	NOTES:									
	CHLORIDE TEST / EMPLOYEE: Galy Chinson											
	PAINT FILTER TEST		cation of above re							<u>2</u> 5		
	g as the driver/transporter, I o							with. I ce	ertify the	material is from the above		
TRANSPORTER CO. Del Carto NAME NAME SIGNATURE						K	\mathcal{V}					
	0,0	l	•	635-	8574	7				n nan ar ni samonin yaanaarayaanaa aranga ayyadayaani, o 🦷 a 🦕 yango na nananaara		
COMPANY CONTACT ///////////////////////////////////								ez – z – na mananananananananan kana kara kara kara k				

Milita - Company Rooseda Vollour Billion Biele Custaman



MANIFEST # 45016 DATE / 0-29-13 JOB # 07152-0010

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD	СОМ	PLETE DESCRIPT	ION OF SHIPME	iinga aganina	TRANSPORTING COMPANY					
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
	Beeline Gas	LFIL	CONT	C-24	16		DelPrudo	!	1147	Roll Rol
2	CONVON COMP	tį	N	C-24	16		Del Prodo	1	1425	Rolph Reglo
3	Station	•	. ۱	C.24	16		Del Prondo	1	1654	Rele Perk
	· · · · · ·				108					
					l ,		·	-		
		<u>,</u>								
RESULT	SULTS:						NOTES:			
1287	CHLORIDE TEST EMPLOYEE: Gay Robinson									
	PAINT FILTER TEST	Certifi	cation of above re	ceival & pla	icement	iger -				FAR Co
	g as the driver/transporter, I of Generator/Point of Origin-pa							with. I ce	ertify the	material is from the above
TRANSPORTER CO. Dol Verk NAME Mell Verke						SIGNATURE	K	1-		
COMPAN	CONTACT	, v g t t , ty systematic marganeous, s	PHONE	635-8	8578				29-	13

Signatures required prior to distribution of the legal document.



MANIFEST # 45023

DATE 10-30-13 JOB # 07152-0010

PHONE (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD	COM	ION OF SHIPMEN		TRANSPORTING COMPANY						
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
2	E-fach	Breline Gas system canyor compstation	Clean Fill	~	12		MOSS	15	8:10	nathan BM Rinner
2	4	\$ <i>4</i>	4		12		MOSS	47	8:10	Les mess
3	jit lj	11 4	ik lit		12	~	Moss	47	1100	Lee Moss
4	10 11	ly h	ti tr		12	-	moss	15	1100	nost. BME
5	1(/(11 - K	<u>\</u> 11		12		moss	47	1325	Lee Mora la
6	V n	4 Y	<u>tı</u> 11		12	-	1055	15	1320	nather BAL
×						• •				
	х. 				12					
							· · · · · · · · · · · · · · · · · · ·			-
		en e								
RESULTS	3:	LANDFARM	L				NOTES:			
	CHLORIDE TEST	Leve	J_	100	71-				2 -	
/	PAINT FILTER TEST		cation of above rec			Blow				RD
mentioned	g as the driver/transporter, I d d Generator/Point of Origin a	al material has be	en added o	or mixed inte	o the load	d.		$\hat{\Lambda}$		
TRANSPO	RTER CO. MOSS	NAME 🗡	books B	Willin	<u>אב</u> אוד	SIGNATURE		L.B	Mking	
COMPANY CONTACT PHONE							DATE	10-30	0-13	



B				of	L	a	d		ng	
---	--	--	--	----	---	---	---	--	----	--

MANIFEST # 45024

DATE 10-30-13 JOB # 07152-0010

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD	СОМ	COMPLETE DESCRIPTION OF SHIPMENT TRANSPORTING COMPANY										
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE		
	E.Tech	Beeline	Clean		16		Del PRAPO	1	8:15	Rild Prado		
2		System's CA	SOIL	-	16		Del Prudo	(1104	ku-		
3	()	Station.))		16	هــــــ	Del Proda	1	1330	Robbiah		
		· · · · · · · · · · · · · · · · · · ·			48							
		· · · · · · · · · · · · · · · · · · ·	and the second									
							· · · · · · · · · · · · · · · · · · ·					
							· · ·					
					1		анарана алар (1998). Спорти и постор (1998). Спорти и постор (1998).					
RESULT		LANDFARM	\mathbf{x}	\square	K	12	NOTES:					
	CHLORIDE TEST	EMPLOYEE:	Stin	h-	10-1							
1	PAINT FILTER TEST	· · · · · · · · · · · · · · · · · · ·	rtification of above receival & placement BGW						RD			
By signing mentione	g as the driver/transporter, I d Generator/Point of Origina	certify the material ind that no additior	hal material has be	en added o	or mixed int	o the loa	d.					
	PRTER CO. P_{1}/f_{co}	11	NAME	KIL	Rei	b	SIGNATURE	1	\mathcal{V}			
	CONTACT Relph		PHONE	635-	- 857	78	DATE	-30	- 13	i		
	COMPANY CONTACT 1/2/26 PHONE 635-8578 DATE 10-30-13											



U	2	5
	U	02

DATE 10-30-13 JOB # 07152-0010

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD	COMPLETE DESCRIPTION OF SHIPMENT TRANSPORTING COMPANY								NY	
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Beeline Gas System's	Cont Soil	LFII	B.24	12		M055	47	/100	Lee Miss
2	COMP Station	11	UX.	\$-24	12		M055	15	1100	Pall BUNAL
3	31 I/	11	11	B-24	12		MOSS	47	1325	Lee Mose /
4	11 <i>t</i> ,	11	1	B-24	12		Moss	15	1326	Not BMCK
5	4 4	4	e.	B-24	12		MOSS	27	15:55	-Loo Mass/
6	U.	u q U	çe U	B-24	12		MOSS	15	16:00	Notabul
			· · · · · · · · · · · · · · · · · · ·		12					
										ann an Anna an
	and an an and a second sec					<u> </u>	1			
						<u> </u>		•		ayaa dagaala dagaa aha dagaa aha dagaa aha dagaa ahaa ah
RESULT	s:	LANDFARM	1	11	<u>ا</u>	1	NOTES:		<u>i</u> 1	¹
4281	CHLORIDE TEST	EMPLOYEE:	Jacyk	olm	røn.	Baul				
PAINT FILTER TEST 2 Certification of above receival & placement								RPC		
By signing	By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.									
TRANSPORTER CO. MO15 NAME Lee Moss SIGNATURE Lee Moss										
TRANSPORTER CO. M015 NAME Lee Moss SIGNATURE See Moss COMPANY CONTACT PHONE DATE 10-30-13										
Signature	Signatures required prior to distribution of the legal document.									



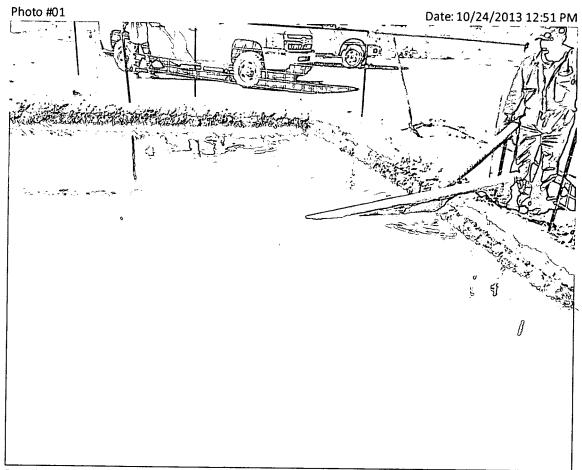
MANIFEST # 45026

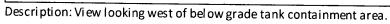
DATE 10.30.13 JOB # 07152-0010

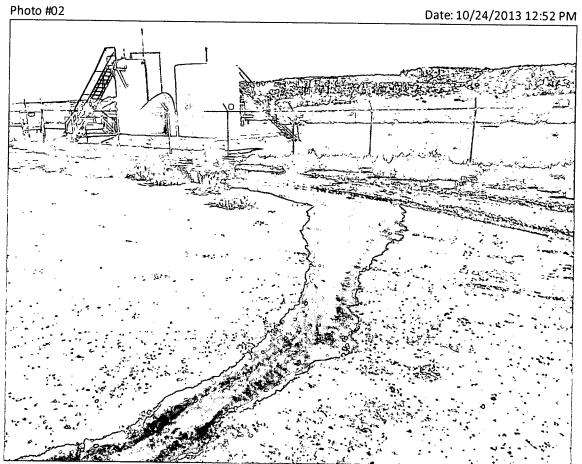
PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

LOAD	СОМ	PLETE DESCRIPT	ION OF SHIPME	NT			TRANSPORTING COMPANY				
NO.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE	
1	Beeline Gas System's CYN Comp Station	LFII	conit Soil	B-24	16	Charma ,	Del Prado	1	1104	Relat Rad	
2			(t	B:24	16		Del Prodo	<u> l </u>	1330	Relate Vygete	
3	ti U	9 a	ç u	B-24	14		er is	l	16:10	Rold Frak	
		· · · · ·		م	118						
			99999999999999999999999999999999999999								
RESULT	S:	LANDFARM						NOTES:			
2287	CHLORIDE TEST	EMPLOYEE:	Cour Rolmson dens								
	PAINT FILTER TEST	Certifie	Certification of above receival & placement							RDC	
mentione	By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.										
	RTER CO. Del Prad	20		K. Inh	TV40	k	SIGNATURE	<u>K</u>	11-	angelande i nordele under degenere. Zi se anne est an en andere est anne andere est anne anne anne anne anne a Anne anne	
COMPANY	RANSPORTER CO. Del Prado NAME And that ho additional material has been added or mixed into the load. RANSPORTER CO. Del Prado NAME And Trade SIGNATURE AMERICA SIGNATURE SIGN										

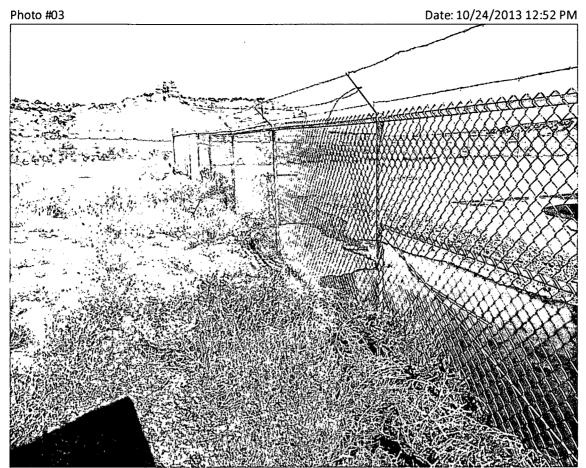
Signatures required prior to distribution of the legal document.



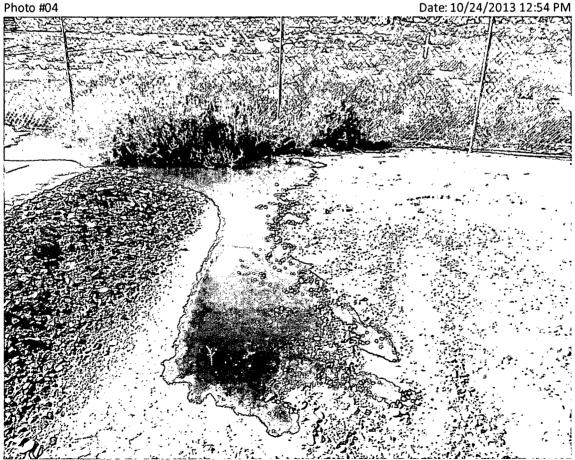




Description: View looking northeast of release path.



Description: View looking north of release path.

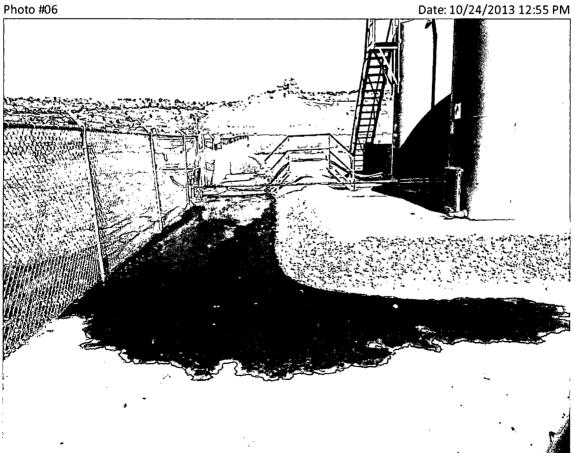


Description: View looking east of release path located at the north end of the production tank containment berm.

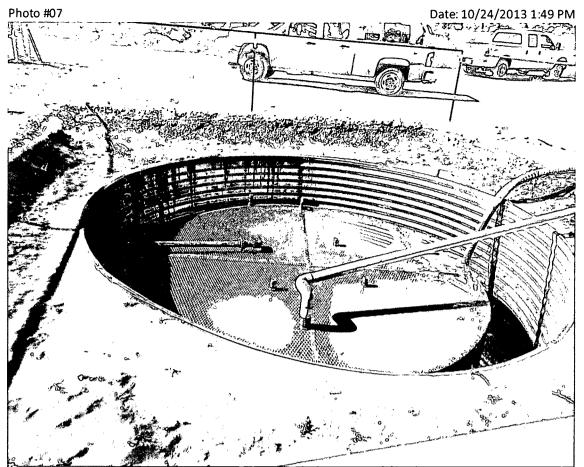


Description: View looking east of release path located at the south end of the production tank containment berm.





Description: View looking north of release path.

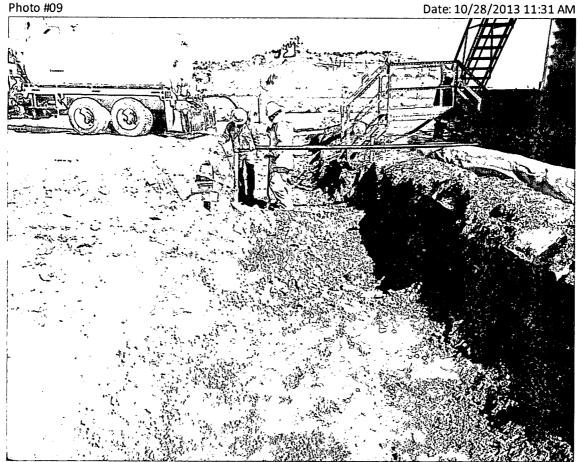


Description: View looking west of the below grade tank and containment following removal of free standing fluids.

Photo #08 Date: 10/28/2013 11:31 AM



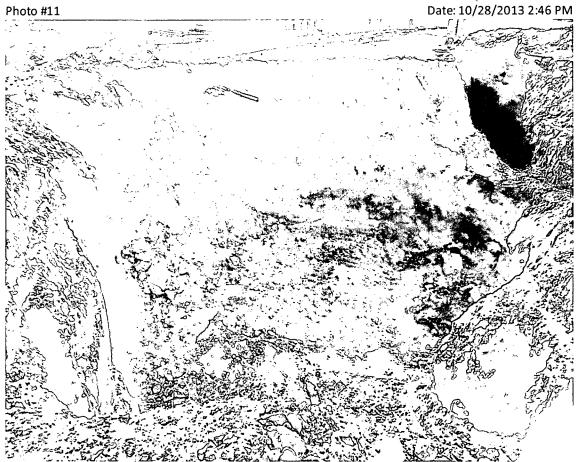
Description: View looking southwest of release path excavation.



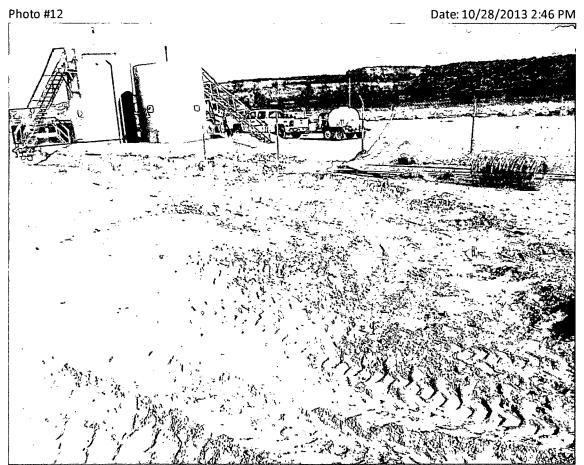
Description: View looking north of release path excavation.

Photo #10 Date: 10/28/2013 11:31 AM

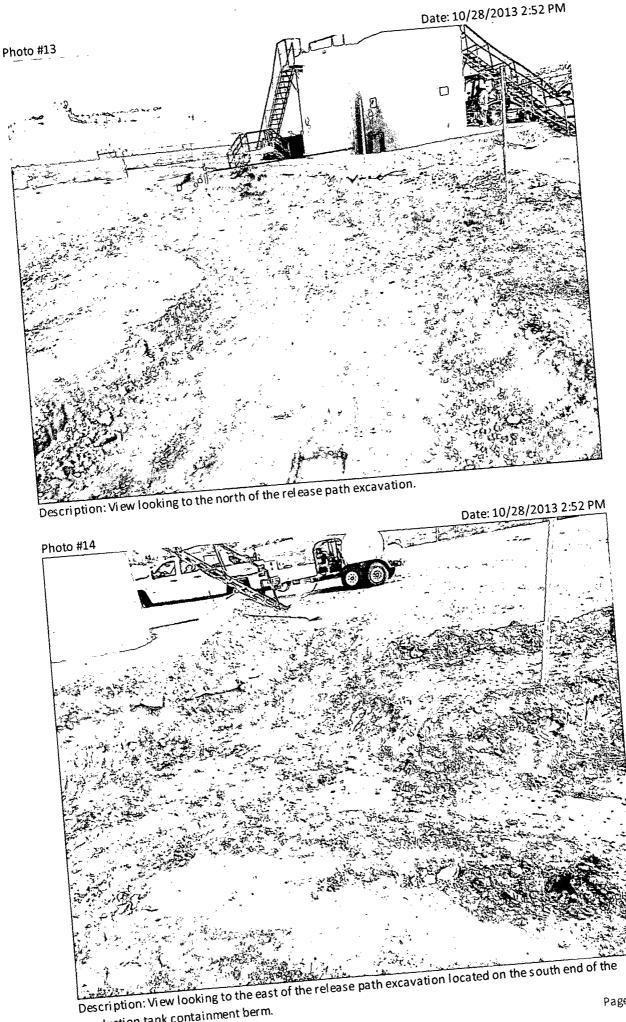
Description: View looking east of release path excavation located on the south end of the production tank containment berm.

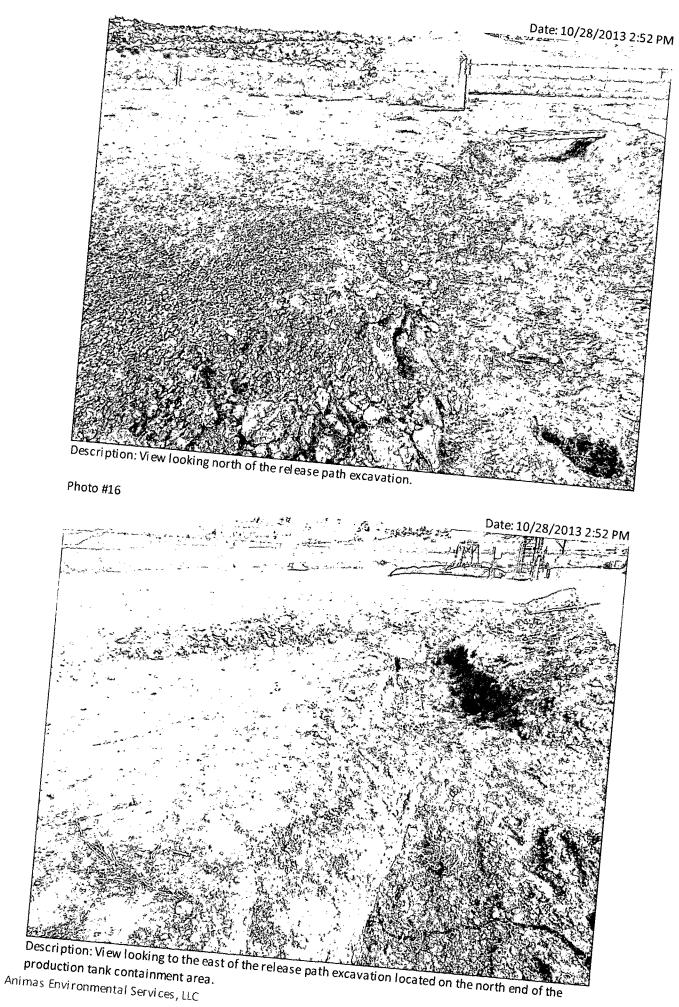


Description: View looking to the southwest of the below grade tank excavation.



Description: View looking northeast of the release path excavation.





Page 8 of 8



Animas Environmental Services.ttc

www.animasenvironmental.com

624 E. Comanche Farmington, NM 87401 505-564-2261

> Durango, Colorado 970-403-3084

Client: Beeline Gas Systems

Project Location: Canyon Compressor Station

Date: 10/27/13 and 10/28/13

Matrix: Soil

Sample ID	Collection Date	Depth (ft)	Collection Time	OVM (ppm)	Field TPH (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
S-1	10/27/2013	0.5 to 1	16:57	274	797	8:30*	20.0	1	DW
S-2	10/27/2013	0.5	17:00	231	778	8:28*	20.0	1	DW
S-3	10/27/2013	11	17:10	1,681	1,580	8:34*	20.0	1	DW
SC-1	10/27/2013	1 to 1.5	16:50	61.8	145	8:32*	20.0	1	DW
SC-2	10/27/2013	1.5 to 2	16:53	64.7	52.0	8:25*	20.0	1	DW
SC-3	10/28/2013	1.5 to 2	11:45	3.3	70.8	16:30	20.0	1	HW
SC-4	10/28/2013	0.5 to 1	11:50	2.8	62.4	16:28	20.0	1	нw
SC-5	10/28/2013	1 to 15	13:30	2.6	63.6	16:32	20.0	1	нw
SC-6	10/28/2013	1 to 15	13:45	4.1	63.6	16:34	20.0	1	НW
SC-7	10/28/2013	15	13:59	3.0	73.1	16:37	20.0	1	НW
SC-8	10/28/2013	1 to 15	14:17	2.5	115	16:40	20.0	1	НW
SC-9	10/28/2013	1 to 15	14:30	3.0	37.4	16:42	20.0	1	НW
SC-10	10/28/2013	1 to 15	14:45	2.9	105	16:44	20.0	1	HW

* Sample analyzed on 10/28/13

Dilution Factor DF

PQL **Practical Quantitation Limit** Analysts:

Debrah Water-



October 31, 2013

Heather Woods Animas Environmental Services 624 East Comanche Farmington, NM 87401 TEL: (505) 716-2787 FAX (505) 324-2022

RE: Beeline Canyon Station

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

OrderNo.: 1310D94

Dear Heather Woods:

Hall Environmental Analysis Laboratory received 2 sample(s) on 10/30/2013 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 <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,

ander

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 1310D94 Date Reported: 10/31/2013

Client Sample ID: BGT Excavation Composite

Project:Beeline Canyon StationLab ID:1310D94-001	Collection Date: 10/28/2013 2:49:00 PM Matrix: MEOH (SOIL) Received Date: 10/30/2013 9:44:00 AM								
Analyses	Result	RL Qua	l Units	DF	Date Analyzed	Batch			
EPA METHOD 8021B: VOLATILES					Anal	/st: NSB			
Benzene	ND	0.050	mg/Kg	1	10/30/2013 12:00:40	PM R14452			
Toluene	ND	0.050	mg/Kg	1	10/30/2013 12:00:40	PM R14452			
Ethylbenzene	ND	0.050	mg/Kg	1	10/30/2013 12:00:40	PM R14452			
Xylenes, Total	ND	0.10	mg/Kg	1	10/30/2013 12:00:40	PM R14452			
Surr: 4-Bromofluorobenzene	96.7	80-120	%REC	1	10/30/2013 12:00:40	PM R14452			
EPA METHOD 300.0: ANIONS					Analy	/st: JRR			
Chloride	ND	30	mg/Kg	20	10/30/2013 12:18:24	PM 10107			

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

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 dete
	Е	Value above quantitation range	Н	Holding time
	J	Analyte detected below quantitation limits	ND	Not Detected
	0	RSD is greater than RSDlimit	Р	Sample pH g
	R	RPD outside accepted recovery limits	RL	Reporting D
	S	Spike Recovery outside accepted recovery limits		

tected in the associated Method Blank

- nes for preparation or analysis exceeded
- ed at the Reporting Limit
- ed at the Reporting Limit Page 1 of 4 greater than 2 for VOA and TOC only.
- Detection Limit

Analytical Report Lab Order 1310D94

Hall Environmental Analysis Laboratory, Inc.

-

Date Reported: 10/31/2013

CLIENT: Animas Environmental Services		C	lient Samp	le ID: Re	lease Path Excavati	ion Compos					
Project: Beeline Canyon Station		Collection Date: 10/28/2013 2:53:00 PM									
Lab ID: 1310D94-002	Matrix:	MEOH (SOIL)	Received	/30/2013 9:44:00 A	M						
Analyses	Result	RL Qual	Units	DF	Date Analyzed	Batch					
EPA METHOD 8021B: VOLATILES					Ana	lyst: NSB					
Benzene	ND	0.050	mg/Kg	1	10/30/2013 12:30:5	3 PM R14452					
Toluene	ND	0.050	mg/Kg	1	10/30/2013 12:30:53	3 PM R14452					
Ethylbenzene	ND	0.050	mg/Kg	1	10/30/2013 12:30:5	3 PM R14452					
Xylenes, Total	ND	0.10	mg/Kg	1	10/30/2013 12:30:5	3 PM R14452					
Surr: 4-Bromofluorobenzene	97.0	80-120	%REC	1	10/30/2013 12:30:53	3 PM R14452					
EPA METHOD 300.0: ANIONS					Ana	lyst: JRR					
Chloride	ND	30	mg/Kg	20	10/30/2013 12:55:38	8 PM 10107					

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in th
	Е	Value above quantitation range	Н	Holding times for pre
	J	Analyte detected below quantitation limits	ND	Not Detected at the R
	0	RSD is greater than RSDlimit	Р	Sample pH greater the
	R	RPD outside accepted recovery limits	RL	Reporting Detection I
	S	Spike Recovery outside accepted recovery limits		

- the associated Method Blank
- reparation or analysis exceeded
- Reporting Limit
- Reporting Limit Page 2 of 4 han 2 for VOA and TOC only.
- Limit

_

Client: Project:		s Environmer e Canyon Sta		vices							
Sample ID	MB-10107	SampT	ype: MI	BLK	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	PBS	Batch	n ID: 10	107	F	RunNo: 14	4470				
Prep Date:	10/30/2013	Analysis D	ate: 1	0/30/2013	5	SeqNo: 4	15718	Units: mg/K	ζg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID	LCS-10107	SampT	ype: LC	s	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch	ID: 10	107	F	RunNo: 14	470				
Prep Date:	10/30/2013	Analysis D	ate: 1	0/30/2013	5	SeqNo: 4	15719	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	94.0	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Client:

Project:

Animas Environmental Services

Beeline Canyon Station

Spike Recovery outside accepted recovery limits

Value exceeds Maximum Contaminant Level.

Analyte detected below quantitation limits

RPD outside accepted recovery limits

Value above quantitation range

RSD is greater than RSDlimit

Jualifiers:

* E

J

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R

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Sample ID MB-10085 MK	Samp	Type: ME	BLK	Tes	Code: El	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batc	h ID: R1	4452	R						
Prep Date:	Analysis [Date: 10)/30/2013	S	eqNo: 4	15590	Units: mg/k	ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050					<u>.</u>			
oluene	ND	0.050								
Ethylbenzene	ND	0.050		•						
(ylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		100	80	120			
Sample ID LCS-10085 MK	Samp	Type: LC	S	Tes	Code: El	PA Method	8021B: Volat	tiles		
Sample ID LCS-10085 MK Client ID: LCSS	•	 Гуре: LC h ID: R1			Code: El		8021B: Vola	tiles		
·	•	h ID: R1		R		4452	8021B: Volat Units: mg/k			
Client ID: LCSS	Batc	h ID: R1	4452)/30/2013	R	lunNo: 1	4452			RPDLimit	Qual
Client ID: LCSS	Batc Analysis [h ID: R1 Date: 10	4452)/30/2013	R S	tunNo: 1 GeqNo: 4	4452 15591	Units: mg/k	ζg	RPDLimit	Qual
Client ID: LCSS Prep Date: Analyte	Batc Analysis I Result	h ID: R1 Date: 10	4452)/30/2013 SPK value	R S SPK Ref Val	RunNo: 14 SeqNo: 4 %REC	4452 15591 LowLimit	Units: mg/K HighLimit	ζg	RPDLimit	Qual
Client ID: LCSS Prep Date: Analyte Benzene	Batc Analysis [<u>Result</u> 0.93	h ID: R1 Date: 10 PQL 0.050	4452 D/30/2013 SPK value 1.000	R S SPK Ref Val 0	8unNo: 14 6eqNo: 4 %REC 93.2	4452 15591 LowLimit 80	Units: mg/K HighLimit 120	ζg	RPDLimit	Qual
Client ID: LCSS Prep Date: Analyte Benzene Toluene	Batc Analysis I Result 0.93 0.94	h ID: R1 Date: 10 PQL 0.050 0.050	4452 0/30/2013 SPK value 1.000 1.000	R S SPK Ref Val 0 0	tunNo: 14 ieqNo: 4 <u>%REC</u> 93.2 93.7	4452 15591 LowLimit 80 80	Units: mg/M HighLimit 120 120	ζg	RPDLimit	Qual

- 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 4

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental A Albuc TEL: 505-345-3975 I Website: www.hall	4901 querqu FAX: 5	Hawkins i e. NM 871 05-345-41	NE 109 S 107	am	nple Log-Ir	n Check List
Client Name: Animas Environmental	Work Order Number:	1310	D94			Rop	otNo: 1
Received by/date Ashley Galleges	10/30/2013 9:44:00 AM	3		AJ			
Completed By: Ashley Gallegos	10/30/2013 9:45:36 AM	·		A			
Reviewed By:	10/30/13			. ()			
Chain of Custody							
1. Custody seals intact on sample bottles?		Yes		No		Not Present	✓
2. Is Chain of Custody complete?		Yes	~	No		Not Present	
3. How was the sample delivered?		<u>Cour</u>	ier				
Log In							
		X		Na		NA	
4. Was an attempt made to cool the samples	?	Yes	V:	No		NA	
5. Were all samples received at a temperature	e 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	V	No	·		
8. Are samples (except VOA and ONG) prope	rly preserved?	Yes	V	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 brok	en?	Yes		No	V		
						# of preserved bottles checker	
12.Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes	\checkmark	No		for pH:	(<2 or >12 unless noted)
13. Are matrices correctly identified on Chain o	f 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 di		Yes	No	5	NA 🗸		
Person Notified:		Date:			200712178112781		
By Whom:	numen, numen, satur, sµarış,taγta (, 2, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	Via:	eMail	Phone	Fax	In Person	
Regarding:	, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19		*****		**************	and the first of the construction of the first of the fir	
Client Instructions:			and the part of the last second second			enteren era straatige betere het het het en	

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			
•						······································

	ı la İn	υι-Cι	isiody recora	i un-Arouna	Time:			l														
Client:	nimas	Environ	mental Services	□ Standard Project Name		Same [Day				Ά	N/	AL		IS	i L	AE	30				
Mailing	Address	624 E	. Comanche	Beeline C	anyon Sta	tion			490	01 Ha				Albu					109			
			B7401	Project #:	- 100			[5-34				-	-		4107				
	1		- 2281		:								A	nalys	is F	Req	uest				diren i diren i	
email or	r Fax#:			Project Mana	ger:				<u>ک</u>	Ô				s.		1						ļ
QA/QC F Ø∕ Stan	⁵ ackage: dard		Level 4 (Full Validation)	H. Woods	×.			FRAMESS (8021)	(Gas ol	RO / MF			SIMS)	hlortdi	10 ⁴ ,0	PCB's						
Accredi				Sampler: [].	Wonds				H	Ľ	\mathbf{r}		20	6 6	ŝ	082	1					
	AP	□ Othe	er	On Ice	Mes as			+) +	8	18	8	8270		- - - - - - - - - - - - - -	s / 8	1	<u>₹</u>				1.
	(Type)			Cample Lem					ВE	<u>0</u>	d 4	2 R	D D	stals	Ž	ide	a	2				2
Date	Time	Matrix	Sample Request ID		Preservative Type	не) 1310		BTEX + MERE	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or	RCRA 8 Metals	Anions (P)C	8081 Pesticides / 8082 PCB	8260B (VOA)	8270 (Semi-VOA)				
1012BAS	1449	Soil	BGT Excavation Composit	MegHKit -402	MeOH/_		-001	X							X	_						
10/28/13	1453	Soil	Release Path Excavation Comp	alte 1-402	MLOH/_		002	$ \lambda $						-	X					\rightarrow		_
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																				7		Ţ
Date: 29/D Date:	Time: <u> hn</u> Time:	Relinquish Alea Relinquish	the M. Woods	Received by: Mother Received by:	-Waete	Date 1029/13 Date	Time 1717 Time	Ren	narks	 s:]						<u></u>
10/20/13	IT4D		intuc Waltes d	ontracted to other ad		13 D	<u><u><u>344</u></u></u>						data y					the er				

necessary, samples submitted to Half Environmental may I	be subcontracted to other accredited laboratories.	This serves as notice of this possibility.	. Any sub-contracted data will be cle	early notated on the analy	vtical rep	port
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ALLC OF OOM

Oil Conservation Division 1220 South St. Francis Dr.

Santa Fe, NM 87505

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

Release Notification and Corrective Action OPERATOR Initial Report Final Report Contact: Primary-Dianna Lee 330-2736 Secondary- Alan Lain 486-0260 Name of Company Elm Ridge Exploration Co. LLC d.b.a. Beeline Gas Systems Address: 2001 E. Blanco Blvd. Bloomfield, NM 87413 Telephone No. 634-1144 Facility Type: Pipeline right of way Facility Name: Marcus A-16 Lateral OIL CONS. DIV DIST. 3 API No. Surface Owner BLM Mineral Owner: BLM

	EUCATION OF RELEASE													
Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County						
								· · · · · · · · · · · · · · · · · · ·						

Latitude N. 36.24802 Longitude W. 107.52972

Type of Release: Oil Volume of Release: unknown Volume Recovered: n/a Source of Release: Pipeline Leak Date and Hour of Occurrence Date and Hour of Discovery 7/31/14 afternoon unknown Was Immediate Notice Given? If YES, To Whom? Yes 🗍 No 🗍 Not Required Corv Smith By Whom? Dianna Lee Date and Hour 8/1/2014 9:35am Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. 🗌 Yes 🖾 No If a Watercourse was Impacted, Describe Fully.* N/A

NATURE OF RELEASE

Describe Cause of Problem and Remedial Action Taken.*

unknown at this time, one call has been placed. Excavation and soil sampling to follow.

Describe Area Affected and Cleanup Action Taken.* Unknown at this time.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	OIL CONSERVATION DIVISION
Printed Name: Dianna Lee	Approved by Environmental Specialist:
Title: Regulatory Administrator	Approval Date: 4/8/15 Expiration Date.
E-mail Address: BeelineRegulatory@elmridge.net	Conditions of Approval:
Date: Aug 1, 2014 Phone: 505-330-2736	À
* Attach Additional Sheets If Necessary	# NCS 1509841659

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 in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action OPERATOR Initial Report Final Report Contact: Primary-Dianna Lee 330-2736 Secondary- Alan Lain 486-0260 OIL CONS. DIV DIST. 3 Name of Company Elm Ridge Exploration Co. LLC d.b.a. **Beeline Gas Systems** Address: 2001 E. Blanco Blvd. Bloomfield, NM 87413 Telephone No. 634-1144 OCT 28 Love Facility Name: Marcus A-16 Lateral Facility Type: pipeline right of way Surface Owner BLM Mineral Owner: BLM API No. LOCATION OF RELEASE

				LUCF	ATTON OF REA	LEASE			
Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County	
									1

Latitude36.24802 Longitude 107.52972

NATURE OF RELEASE

Type of Release: oil	Volume of Release: see attached	Volume Recovered: n/a
Source of Release: Pipeline Leak	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery 7/31/14 afternoon
Was Immediate Notice Given?	If YES, To Whom? Cory Smith	
By Whom? Dianna Lee	Date and Hour 8/1/14 9:35am	
Was a Watercourse Reached?	If YES, Volume Impacting the Wat	ercourse.
If a Watercourse was Impacted, Describe Fully.* n/a		
Describe Cause of Problem and Remedial Action Taken.* Leak from riser, we removed drip and connected the existing lines for rep the base of the excavation as well as the spoil piles. All contaminated soil backfill.		
Describe Area Affected and Cleanup Action Taken.* Affected area was directly above drip and below riser, all contaminated so backfill.	il was hauled to Envirotech and clean	fill dirt from Envirotech was brought in to
$\chi = g_0$		
I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release ne public health or the environment. The acceptance of a C-141 report by the should their operations have failed to adequately investigate and remediate or the environment. In addition, NMOCD acceptance of a C-141 report defederal, state, or local laws and/or regulations.	otifications and perform corrective act e NMOCD marked as "Final Report" c e contamination that pose a threat to g	ions for releases which may endanger loes not relieve the operator of liability round water, surface water, human health
Signature: Manna Lee		ATION DIVISION
Printed Name: Dianna Lee	Approved by Environmental Specialis	t: Como John
Title: Regulatory Administrator	Approval Date: 4/8/15	Expiration Date:
E-mail Address: BeelineRegulatory@elmridge.net	Conditions of Approval:	Attached
Date: October 10, 2014 Phone: 505-330-2736		
±	INS 1509841838	-

Receival Report - By Company

ElmRidge Beeline Gas Systems

Date BOLID	Job	Landfarm	Source	Dest	BBLS CY BFBB	Final Dest Material	Exmt Lab MISOS CWS	Test	Value	
9/19/2014 48728	07152-0015	Landfarm 2	Marcus A-16	Landfarm 2 Unit	20	Contaminat		Chloride	289.00 🖌	
		Unit 4	Lateral	4				Paint Filter	\checkmark	
9/22/2014 48753	07152-0015	Landfarm 2	Marcus A-16	Landfarm 2 Unit	48	Contaminat		Chloride	289.00 🖌	
		Unit 4	Lateral	4				Paint Filter	✓	
9/22/2014 48754	07152-0015	Clean Fill	Clean Fill	Marcus A-16	36	Clean Fill				
				Lateral						
				Totals:	104		-			

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September 15, 2014

Emilee Skyles Animas Environmental Services 624 East Comanche Farmington, NM 87401 TEL: (505) 564-2281 FAX (505) 324-2022 Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

OIL CONS. DIV DIST. 3

MAR 26 2015

RE: Marcus A16 Lateral

OrderNo.: 1409572

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 2 sample(s) on 9/12/2014 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,

and

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Anal CLIENT: Animas Environmental Ser Project: Marcus A16 Lateral		atory, Inc	Client Samp		Lab Order 1409572 Date Reported: 9/15/20 C-1 11/2014 12:01:00 PM)14
Lab ID: 1409572-001	Matrix:	MEOH (SO	IL) Received	Date: 9/	12/2014 6:30:00 AM	_
Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RAN	GE ORGANICS				Analys	t: BCN
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	9/12/2014 2:20:10 PM	15253
Surr: DNOP	77.8	57.9-140	%REC	1	9/12/2014 2:20:10 PM	15253
EPA METHOD 8015D: GASOLINE R	ANGE				Analys	t: DJF
Gasoline Range Organics (GRO)	ND	4.0	mg/Kg	1	9/13/2014 9:21:12 PM	R21187
Surr: BFB	91.1	80-120	%REC	1	9/13/2014 9:21:12 PM	R21187
EPA METHOD 8021B: VOLATILES					Analyst	DJF
Benzene	ND	0.040	mg/Kg	1	9/13/2014 9:21:12 PM	R21187
Toluene	ND	0.040	mg/Kg	1	9/13/2014 9:21:12 PM	R21187
Ethylbenzene	ND	0.040	mg/Kg	1	9/13/2014 9:21:12 PM	R21187
Xylenes, Total	ND	0.080	mg/Kg	1	9/13/2014 9:21:12 PM	R21187
Surr: 4-Bromofluorobenzene	97.2	80-120	%REC	1	9/13/2014 9:21:12 PM	R21187

Analytical Report

Page 1 of 5

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. a 42 information.

Refe	r to th	e QC Summary report and sample login check	list for flagg	ged QC data and preservation info	rmation.
Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Meth	od Blank
-	Е	Value above quantitation range	Н	Holding times for preparation or analysi	s exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 1
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2.	Tage I
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

Hall Environmental Analysis	Labora	atory, Iı	1c.			Lab Order 1409572 Date Reported: 9/15/20	14
CLIENT: Animas Environmental Services	1		C	Client Samp	le ID: Sto	ock Pile Composite	
Project: Marcus A16 Lateral				Collection	Date: 9/1	1/2014 11:45:00 AM	
Lab ID: 1409572-002	Matrix:	MEOH (S	OIL)	Received	Date: 9/1	2/2014 6:30:00 AM	_
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE O	RGANICS					Analyst	BCN
Diesel Range Organics (DRO)	120	9.9		mg/Kg	1	9/12/2014 2:41:45 PM	15253
Surr: DNOP	81.9	57.9-140		%REC	1	9/12/2014 2:41:45 PM	15253
EPA METHOD 8015D: GASOLINE RANG	E					Analyst	DJF
Gasoline Range Organics (GRO)	ND	4.4		mg/Kg	1	9/13/2014 9:49:55 PM	R21187
Surr: BFB	109	80-120		%REC	1	9/13/2014 9:49:55 PM	R21187
EPA METHOD 8021B: VOLATILES						Analyst:	DJF
Benzene	ND	0.044		mg/Kg	1	9/13/2014 9:49:55 PM	R21187
Toluene	ND	0.044		mg/Kg	1	9/13/2014 9:49:55 PM	R21187
Ethylbenzene	ND	0.044		mg/Kg	1	9/13/2014 9:49:55 PM	R21187
Xylenes, Total	ND	0.089		mg/Kg	1	9/13/2014 9:49:55 PM	R21187
Surr: 4-Bromofluorobenzene	100	80-120		%REC	1	9/13/2014 9:49:55 PM	R21187

Analytical Report

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Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Metho	od Blank
-	Е	Value above quantitation range	Н	Holding times for preparation or analysis	s exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 2 of 5
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2.	1 ugo 2 01 1
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

 Client:
 Animas Environmental Services

 Project:
 Marcus A16 Lateral

Sample ID LCS-15253	Samp	ype: LC	s	TestCode: EPA Method 8015D: Diesel Range Organics						
Client ID: LCSS	Batc	n ID: 15	253	F	RunNo: 2	1164				
Prep Date: 9/12/2014	Analysis [)ate: 9/	12/2014	5	SeqNo: 6	16189	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	94.1	68.6	130			
Surr: DNOP	3.8		5.000		76.7	57.9	140			

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.
- RL Reporting Detection Limit

Page 3 of 5

15-Sep-14

1409572

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Hall Environmental Analysis Laboratory, Inc.

Client:Animas Environmental ServicesProject:Marcus A16 Lateral

				<u> </u>	<u> </u>					
Sample ID MB-15236	Samp	Туре: М	IBLK	Tes	tCode: E	PA Method	8015D: Gas	oline Rang	je	
Client ID: PBS	Bato	ch ID: 1	5236	ł	RunNo: 2	21187				
Prep Date: 9/11/2014	Analysis	Date: 9)/13/2014	ę	SeqNo: 6	16826	Units: %R	C		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	910		1000		91.3	80	120			
Sample ID LCS-15236	Samp	Type: Lo	cs	Tes	tCode: E	PA Method	8015D: Gas	oline Rang	ie .	
Client ID: LCSS	Bato	ch ID: 18	5236	F	RunNo: 2	1187				
Prep Date: 9/11/2014	Analysis I	Date: 9	/13/2014	5	SeqNo: 6	16827	Units: %RE	C		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	970		1000		97.4	80	120			
Sample ID MB-15236 M	K Samp	Туре: М	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBS	Batc	h ID: R	21187	F	RunNo: 2	1187				
Prep Date:	Analysis [Date: 9	/13/2014	S	SeqNo: 6	16829	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRC)) ND	5.0								
Surr: BFB	910		1000	<u></u>	91.3	80	120			
Sample ID LCS-15236 N	1K Samp	Type: LC	cs	Test	Code: El	PA Method	8015D: Gasc	line Rang	e	
Client ID: LCSS	Batc	h ID: R2	21187	R	unNo: 2	1187				
Prep Date:	Analysis [Date: 9/	/13/2014	S	eqNo: 6	16830	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
asoline Range Organics (GRO		5.0	25.00	0	99.6	65.8	139			
Surr: BFB	970		1000		97.4	80	120			

Qualifiers:

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

Page 4 of 5

15-Sep-14

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1409572

WO#:

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

Client: Animas Environmental Services **Project:** Marcus A16 Lateral

		\								
Sample ID MB-15236	Samp	Туре: М	BLK	Tes	stCode: E	PA Method	8021B: Vola	tiles		
Client ID: PBS	Bato	ch ID: 15	236	ł	RunNo: 2	1187				
Prep Date: 9/11/2014	Analysis I	Date: 9	/13/2014	:	SeqNo: 6	16854	Units: %RE	C		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.99		1.000		99.3	80	120			
Sample ID LCS-15236	Samp	Type: LC	s	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batc	:h ID: 15	236	F	RunNo: 2	1187				
Prep Date: 9/11/2014	Analysis [Date: 9/	/13/2014	S	SeqNo: 6	16855	Units: %RE	C		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000	· <u>·</u> ·····	102	80	120			
Sample ID MB-15236 MK	Samp	Type: ME	 BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batc	h ID: R2	1187	F	RunNo: 2	1187				
Prep Date:	Analysis [Date: 9/	13/2014	S	SeqNo: 6	16858	Units: mg/M	(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	0.99		1.000		99.3	80	120			
Sample ID LCS-15236 MK	Sampi	Гуре: LC	s	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: LCSS	Batc	h ID: R2	1187	F	RunNo: 2 1	1187				
Prep Date:	Analysis D	Date: 9/	13/2014	S	eqNo: 6	16859	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.050	1.000	0	100	80	120			
Toluene	1.0	0.050	1.000	0	100	80	120			
Ethylbenzene	1.0	0.050	1.000	0	102	80	120			
Xylenes, Total	3.1	0.10	3.000	0	102	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		102	80	120			

Qualifiers:

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

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15-Sep-14

WO#:

1409572

Page 5 of 5

Client Name: Animas Environmental Work Order Nu	mber: 1409572		RcptNo: 1
Received by/date: D9/12/14			
		And Hate	
Logged By: Lindsay Mangin 9/12/2014 6:30:00 Completed By: Lindsay Mangin 9/12/2014 7:05:25			
Reviewed By: AT 09//2//4	ואיָרָ כ	0 - y map	
Chain of Custody			
1 Custody seals intact on sample bottles?	Yes	No 🗌	Not Present
2. Is Chain of Custody complete?	Yes 🗹	No 🗌	Not Present
3. How was the sample delivered?	Courier		
<u>Log In</u>			
4. Was an attempt made to cool the samples?	Yes 🗹	No 🗌	
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes 🗹	No 🗌	
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 Viais 🗹
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 r
13. Are matrices correctly identified on Chain of Custody?	Yes 🔽	No 🗌	Adjusted?
14. Is it clear what analyses were requested?	Yes 🗹	No 🗌	Checked by
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 🗌	
Person Notified: Dat	te:	· · · · · · · · · ·	
By Whom: Via	: 🗌 eMail 🗌 F	Phone 门 Fax	In Person
Regarding: Client Instructions:	an ar ann ann ann an an an ann an ann an	ntein Weben (1996) - 1996	Channel (1991)

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

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 Yes
 Image: Signed By
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Client:	nima	s Envi	von menita,	Standard	Rush	Same Day					-						-				AL)RI	r
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Farmin	Am N	604 L	10)	Project #:				4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107														
Phone #	: 50	5-5	4-228			· · · · · · · · · · · · · · · · · · ·		ું કુર મુખ્ય છે. મુખ્ય છે.					ू A	naly	/sis	Req	uest		R			
email or QA/QC F	ackage:		Level 4 (Full Validation)	Project Mana Emil	ger: ee SKyl	125		THE (8021)	Gas only)	DRO/MRO			SIMS)		⁵ O ₄ ,SO ₄)	PCB's						
Accredit	ation	□ Othe	r	Sampler: Scon	K Yes	E No ver			+ TPH (~	18.1)	04.1)	8270		0 ₃ ,NO ₂ ,	\$ / 8082		A)				or N)
	(Type)			Sample Tem	Serature: Z]∦	ШЩ	B (GF	od 4	od 5	10 or	etals	CI, N	cides	(A)	0 <u>-</u> -				X
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEADNO		BTEX + MTDE +	BTEX + MTBE + TPH (Gas only)	TRH 8015B (GRO	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or	RCRA 8 Metals	Anions (F,Ci,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)				Air Bubbles (Y or N)
9/11/14	1901	Soil	SC-1	1-402 Meon	hon MeOH	-001		X		ý	,							~				
9/11/14	1145	soil	SC-1 Stock pile composit	MeOH	non Meokt	-000	2	X		X										-+		
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Date:	Time:	Relinquist	+ Walk	Received by:	A De	Date Tir 2/12/14 06:	30															
t.	f necessary	, samples sub	mitted to Hall Environméntal may be sub	contracted to other a	ccredited laboratori	ies. This serves as no	otice of thi	is poss	ibility.	Any s	ub-cont	racte	d data	will b	e clea	rly not	ated o	n the a	nalytic	al repo	 rt.	

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E-mail Address: alain@elmridge.net

* Attach Additional Sheets If Necessary

Date: March 14, 2014

Phone: 505-486-0260

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

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

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR	🛛 Initial Report	Final Report
Contacts: Primary - Dianna Lee -	505-634-1144 Exter	nsion 7
Secondary - Allen Lain - 505-486	6-0260 OIL	CONS. DIV DIST.
Telephone No.: 505-634-1144 Ex	tension 7	
Facility Type: Gas Gathering Pipe	eline	OCT 28 2014
	Contacts: Primary - Dianna Lee – Secondary - Allen Lain – 505-486 Telephone No.: 505-634-1144 Ex	Contacts: Primary - Dianna Lee – 505-634-1144 Exter Secondary - Allen Lain – 505-486-0260 OIL Telephone No.: 505-634-1144 Extension 7

Surface Owner: New Mexico

Mineral Owner: New Mexico

Lease No.: Unknown at this time

Attached 🗌

 \bigcirc

LOCATION OF RELEASE

Unit Letter F	Section 36	Township T-24-N	Range R-8-W	Feet from the 2,155	North Line	Feet from the 1,662	East Line	County San Juan

Latitude - N: 36.27215 Longitude - W: 107.62986

. NATUKE	J OF KELEASE	
Type of Release: Natural Gas and Crude Condensate	Volume of Release: Unknown	Volume Recovered: Unknown
Source of Release: Corrosion hole in pipeline	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: March 13, 2014 at 1645
Was Immediate Notice Given? Xes No Not Required	If YES, To Whom? NMOCD Aztec Office – Brandon	
By Whom? Allen Lain	Date and Hour: March 14, 2014 at	1615
Was a Watercourse Reached? 🗌 Yes 🛛 No	If YES, Volume Impacting the Wa	tercourse.
If a Watercourse was Impacted, Describe Fully.*		
Describe Cause of Problem and Remedial Action Taken.*	·····	
Corrosion is the suspected cause of the leak. Excavation is in progress to	b locate the source of the leak.	
Describe Area Affected and Cleanup Action Taken.*		
The leak site is next to Road 7998 approximately one mile north of US 5 The pipeline is isolated and blown down. The excavation is fenced. We determine the extent of the affected area.		
I hereby certify that the information given above is true and complete to regulations all operators are required to report and/or file certain release public health or the environment. The acceptance of a C-141 report by the should their operations have failed to adequately investigate and remedia or the environment. In addition, NMOCD acceptance of a C-141 report federal, state, or local laws and/or regulations.	notifications and perform corrective ac he NMOCD marked as "Final Report" ate contamination that pose a threat to does not relieve the operator of respon	ctions for releases which may endanger does not relieve the operator of liability ground water, surface water, human health sibility for compliance with any other
Signature: Allen Harn		VATION DIVISION
Printed Name: Allen Lain	Approved by District Supervisor:	Selen
Title: Operations Manager	Approval Date: 4/8/15	Expiration Date:

NATUDE OF DELEASE

#NGS 1509842 340

Conditions of Approval:

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

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 in accordance with 19.15.29 NMAC.

API No. N/A

Form C-141

Revised August 8, 2011

rancis Dr. 87505

Release Notification and Corrective Action

·	OPERATOR	Initial Report	Final Report
Name of Company Elm Ridge Exploration Co. LLC d.b.a.	Contact: Primary-Dianna Lee	330-2736 Secondary- Al	lan Lain 486-0260
Beeline Gas Systems		·	
Address: 2001 E. Blanco Blvd. Bloomfield, NM 87413	Telephone No. 634-1144		
Facility Name: Trunk 6F	Facility Type: Gas gathering	pipeline	

Surface Owner: New Mexico

Mineral Owner: New Mexico

				LOCA	ATION OF RE	LEASE			_/
Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County	77
F	36	T-24-N		2155		1662		San Juan	
		L	R-8-W						

Latitude<u>36.27215</u> Longitude 107.62986

NATURE OF RELEASE

Type of Release: Natural Gas and Crude Condensate	Volume of Release: see attached	Volume Recovered: n/a
Source of Release: Pipeline Leak	Date and Hour of Occurrence unknown	Date and Hour of Discovery March 13, 2014 @ 1645
Was Immediate Notice Given?	If YES, To Whom? NMOCD- Brandon Powell	
By Whom? Allen Lain	Date and Hour: 3/14/14 @ 1615	
Was a Watercourse Reached?	If YES, Volume Impacting the Wate	ercourse KLCLIVED
If a Watercourse was Impacted, Describe Fully.* n/a		MAR 0 5 2015
Describe Cause of Problem and Remedial Action Taken.* Corrosion, excavation and pipe repair.		NMOCD DISTER
Describe Area Affected and Cleanup Action Taken.* The leak site is next to road 7998 approximately one mile north of US 55 blown down, excavation and soil sampling were conducted and backfill w	vas completed. Contaminated soil was h	state 36-3. The pipeline was isolated and auled to Envirotech facility.
I hereby certify that the information given above is true and complete to t regulations all operators are required to report and/or file certain release n public health or the environment. The acceptance of a C-141 report by th should their operations have failed to adequately investigate and remediat or the environment. In addition, NMOCD acceptance of a C-141 report d federal, state, or local laws and/or regulations.	otifications and perform corrective active e NMOCD marked as "Final Report" do e contamination that pose a threat to gro	ons for releases which may endanger bes not relieve the operator of liability bund water, surface water, human health
Signature: Milanna del	OIL CONSERV	ATION DIVISION
	Approval Date: 4 18 15 E	xpiration Date:
	Conditions of Approval:	Attached
Attach Additional Sheets If Necessary 4	INCS 150984125	522

D	25 N. French Dr., Hobbs, NM 88240 Strict II 1 S. First SL, Artesia, NM 88210 Strict II S. First SL, Artesia, NM 88210 Strict II Strict II S. First SL, Artesia, NM 88210 Strict II Strict III Strict II Strict II S
<u>Di</u> 10 Di	strict III Strict III 00 Rio Brazos Road, Aztec, NM 87410 Strict IV 20 South St. Francis Dr.
Hada	Santa Fe, NM 87505
1.	REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE Generator Name and Address:
	Elmridge Resources dba Beeline Gas Systems, 2001 E. Blanco Blvd, P.O. Box 1280, Farmington, NM 87413
2.	Originating Site: Trunk 6F
3.	Location of Material (Street Address, City, State or ULSTR): Unit G, Section 36, T24N, R8W; N36.27215, W107.62986
4	Source and Description of Waste: Hydrocarbon impacted soil from pipeline release of natural gas and pipeline liquids
	Deutee and Description of Waster. Hydrocation impacted son noin pipeline release of natural gas and pipeline induits
Est	imated Volume 20 (d) bbls Known Volume (to be entered by the operator at the end of the haul) (d) bbl
5. T	Dianna Lee.
****	PRINT & SIGN NAME
regu	ify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 198 ilatory determination, the above described waste is: (Check the appropriate classification)
	RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non- exempt waste.
:.	exempt waste. <i>Operator USCOND-Waste Acceptance preduces</i> ACCEPTER ENDER CONFIGURET FOR THE ACCEPTER OF ACCEPTER
	characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Chec the appropriate items)
	MSDS Information 🔲 RCRA Hazardous Waste Analysis 🔄 Process Knowledge 🗔 Other (Provide description in Box 4)
	GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS
I, A	Generator Separative for Beeline Gas Systems authorize Envirotech to
com	plete the required testing/sign the Generator Waste Testing Certification.
	a hereby certify that
have of the	sentative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results e representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 5.36 NMAC.
5. 1	Fransporter: Halo Services, Inc Rich! Trucking
CD	Permitted Surface Waste Management Facility
Nam	e and Facility Permit #: Envirotech Inc. Soil Remediation Facility Permit # NM-01-0011
Addr	ess of Facility: #43 Road 7175, South of Bloomfield NM
Meth	od of Treatment and/or Disposal:
	🗌 Evaporation 🗍 Injection 🔲 Treating Plant 🖾 Landfarm 🗌 Landfill 🗌 Other
aste	Acceptance Status:
RINT	NAME Greg Crab tree TITLE: Environmental Mangger DATE: 3/20/14



RE: Final Excavation Report Trunk 6F Pipeline Release San Juan County, New Mexico

Dear Ms. Lee:

On March 19, 2014, Animas Environmental Services, LLC (AES) completed an environmental clearance of the final excavation limits associated with a release of natural gas and pipeline liquids from the Beeline Gas Services (Beeline) Trunk 6F 4-inch diameter pipeline. The release occurred March 14, 2014, and resulted from a pipeline leak caused by corrosion.

1.0 Site Information

1.1 Location

Location - SW¼ NE¼, Section 36, T24N, R8W, San Juan County, New Mexico Release Latitude/Longitude - N36.27213 and W107.62978, respectively Surface Owner – State of New Mexico Figure 1. Topographic Site Location Map Figure 2. Aerial Site Map

1.2 NMOCD Ranking

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

 Depth to Groundwater: An NMOCD C-144 form dated August 2013 for the Chaco 2408-36P #143H, located approximately 2,800 feet southeast and at a similar elevation, reported the depth to groundwater at 38 feet below ground surface (bgs). (20 points)

- Wellhead Protection Area: The release location is not within a wellhead protection area. (0 points)
- Distance to Surface Water Body: Ephemeral washes which discharge into the wash in Blanco Canyon are located approximately 360 feet northeast and 680 feet southwest of the location. (10 points)

The ranking score of 30 dictates that concentrations for impacted soils left in place must be below the NMOCD action levels of 10 mg/kg benzene, 50 mg/kg total benzene, toluene, ethylbenzene, and xylenes (BTEX), and 100 mg/kg total petroleum hydrocarbons (TPH) as gasoline range organics (GRO) and diesel range organics (DRO). An action level of 100 parts per million (ppm) volatile organic compound (VOCs) concentrations via organic vapor meter (OVM) may be substituted for laboratory analysis of benzene and total BTEX.

1.3 Assessment and Mitigation

On March 19, 2014, Beeline contractors completed an excavation along the pipeline and determined that the release was the result of a pipeline leak caused by corrosion. The leak was immediately repaired, and prior to backfilling the excavation, AES collected a total of six soil samples for field screening and confirmation laboratory analysis from the excavation and temporarily stockpiled soil. The final excavation dimensions measured approximately 104 feet by 7 feet by 5 feet deep. The excavation was backfilled with clean stockpiled soil and clean imported material, and the impacted soil was transported to the Envirotech Landfarm for proper disposal. Soil sample locations and final excavation extents are included on Figure 3. The Envirotech Bills of Lading and a photograph log are attached.

2.0 Soil Sampling

Prior to backfilling the excavation, AES personnel collected six soil samples (SC-1 through SC-3 and SP-1 through SP-3) from the excavation base, sidewalls, and stockpiled soils for field screening. Soil samples SC-1 and SC-2 were collected from the sidewalls of the excavation from approximately 1 to 5 feet bgs, sample SC-3 was collected from the base of the excavation, and samples SP-1 through SP-3 were collected from the stockpiled soils. All soil samples except SP-3 were submitted for laboratory analysis.

Dianna Lee Trunk 6F Final Excavation Report June 24, 2014 Page 3 of 5

2.1 Field Sampling

2.1.1 Volatile Organic Compounds

Field sampling for VOC vapors was conducted with a photo-ionization detector (PID) OVM. Before beginning field screening, the PID-OVM was first calibrated with 100 ppm isobutylene gas.

2.1.2 Total Petroleum Hydrocarbons

Selected soil samples were also analyzed in the field for TPH per U.S. Environmental Protection Agency (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*.

2.2 Laboratory Analyses

Soil samples collected for laboratory analysis were placed into new, clean, laboratorysupplied containers, which were then labeled, placed on ice, and logged onto a sample chain of custody record. Samples were maintained on ice until delivery to the analytical laboratory, Hall Environmental Analysis Laboratory (Hall), in Albuquerque, New Mexico. Each soil sample was laboratory analyzed for:

- BTEX per USEPA Method 8021B; and
- TPH (GRO/DRO) per USEPA Method 8015B.

2.3 Field Sampling and Laboratory Analytical Results

Soil field sampling results for VOCs via OVM ranged from 2.2 ppm in SP-2 to 916 ppm in SP-3. Field TPH concentrations ranged from Results are summarized in Table 1 and presented on Figure 3. The AES Field Screening Report is attached.

Tı	1			
Sample ID	Field TPH (ppm)			
NMO	CD Action Le	vel*	100	100
SC-1	3/19/14	1 to 5	6.6	<20.0
SC-2	3/19/14	1 to 5	460	91.1
SC-3	3/19/14	5	40.0	31.6
SP-1	3/19/14	Stockpile	15.6	89.8

Table 1. Soil Field Sampling Results—VOCs and TPH Trunk 6F Final Excavation, March 2014

Sample ID	Date Sampled	Sample Depth (ft bgs)	VOCs via OVM (ppm)	Field TPH (ppm)
NMO	CD Action Lev	vel*	100	100
SP-2	3/19/14	Stockpile	2.2	<20.0
SP-3	3/19/14	Stockpile	916	1,930

*Action level determined by the NMOCD ranking score per NMOCD Guidelines for Remediation of Leaks, Spills, and Releases (August 1993)

Soil analytical results from SC-1 through SC-3 and SP-1 through SP-2 were used to confirm field screening results during excavation activities. Benzene concentrations ranged from below laboratory detection limits in SC-1, SP-1, and SP-2, up to 2.3 mg/kg in SC-2. Total BTEX concentrations ranged from below laboratory detection limits in SC-1, SP-1, and SP-2, up to 36.5 mg/kg in SC-2. TPH (GRO/DRO) concentrations ranged from below laboratory detection limits in SC-1 and SP-2 up to 290 mg/kg in SC-2. Laboratory analytical results are included in Table 2 and on Figure 3. The laboratory analytical report is attached.

	Trunk 6F Final Excavation, March 2014									
		Sample		Total	TPH	TPH –				
	Date	Depth	Benzene	BTEX	GRO	DRO				
Sample ID	Sampled	(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)				
NMO	CD Action L	evel*	10	50	1	00				
SC-1	3/19/14	1 to 5	<0.047	<0.234	<4.7	<10				
SC-2	3/19/14	1 to 5	2.3	36.5	160	130				
SC-3	3/19/14	5	0.11	0.74	<4.8	21				
SP-1	3/19/14	Stockpile	<0.048	<0.241	<4.8	90				
SP-2	3/19/14	Stockpile	<0.047	<0.235	<4.7	<9.8				

Table 2. Laboratory Analytical Results—Benzene, Total BTEX, and TPH Trunk 6F Final Excavation, March 2014

*Action level determined by the NMOCD ranking score per NMOCD Guidelines for Remediation of Leaks, Spills, and Releases (August 1993)

3.0 Conclusions and Recommendations

On March 19, 2014, final assessment of the excavation area associated with a natural gas release along the Beeline Trunk 6F pipeline was completed. Action levels for releases are determined by the NMOCD ranking score per *NMOCD Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993), and the release was assigned a ranking score of 30. Field sampling results were reported below the NMOCD action

Dianna Lee Trunk 6F Final Excavation Report June 24, 2014 Page 5 of 5

level of 100 ppm VOCs in all the samples except in SC-2 (460 ppm) and SP-3 (916 ppm). However, laboratory analytical results for SC-2 showed benzene and total BTEX concentrations below the applicable NMOCD action levels with 2.3 mg/kg and 36.5 mg/kg, respectively. Soils associated with SP-3 were removed to the landfarm for proper disposal. Field sampling results for TPH were below the NMOCD action level of 100 mg/kg for all the samples except SP-3. However, laboratory analytical results showed TPH (GRO/DRO) concentrations above the action level in SC-2 with 290 mg/kg.

Based on the final field screening and laboratory analytical results of the excavation of petroleum contaminated soils at the Trunk 6F, benzene, total BTEX, and TPH concentrations were below the applicable NMOCD action levels for the final northwest sidewall and the base of the excavation. However, the southeast wall of the excavation exceeded the NMOCD action level for TPH (GRO/DRO). On July 18, 2013, Beeline received approval of no further work from Mark Kelly of the BLM and Brandon Powell of the NMOCD.

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 g Reme

David J. Reese Environmental Scientist

Elizabeth V Mendly-

Elizabeth McNally, P.E.

Attachments:

Figure 1. Topographic Site Location Map Figure 2. Aerial Site Map Figure 3. Final Excavation Sample Locations and Results, March 2014 Bills of Lading (Envirotech XXXXX and XXXX) Photograph Log Laboratory Analytical Report (Hall 1403858)

R:\Animas 2000\Dropbox (Animas Environmental)\0000 Animas Server Dropbox EM\2014 Projects\Beeline\Triunk 6F\Beeline\Trunk #6F Final Excavation Report 062414.docx

HALL ENVIRONMENTAL ANALYSIS LABORATORY

March 26, 2014

Heather Woods Animas Environmental Services 624 East Comanche Farmington, NM 87401 TEL: (505) 716-2787 FAX (505) 324-2022 Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

OIL CONS. DIV DIST. 3

MAR 26 2015

RE: Beeline Trunk 6F

OrderNo.: 1403858

Dear Heather Woods:

Hall Environmental Analysis Laboratory received 5 sample(s) on 3/20/2014 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,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 1403858 Date Reported: 3/26/2014

Hall Environmental Analysis Laboratory, Inc.

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 CLIENT: Animas Environmental Services
 Client Sample ID: SC-1

 Project: Beeline Trunk 6F
 Collection Date: 3/19/2014 9:21:00 AM

 Lab ID: 1403858-001
 Matrix: SOIL
 Received Date: 3/20/2014 10:00:00 AM

 Analyses
 Result
 RL
 Qual
 Units
 DF
 Date Analyzed
 Batch

EPA METHOD 8015D: DIESEL RANGE	ORGANICS				Analyst	BCN
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	3/25/2014 11:24:39 AM	12300
Surr: DNOP	113	66-131	%REC	1	3/25/2014 11:24:39 AM	12300
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	3/21/2014 5:40:51 PM	12290
Surr: BFB	89.3	74.5-129	%REC	1	3/21/2014 5:40:51 PM	12290
· ·						
EPA METHOD 8021B: VOLATILES					Analyst	NSB
EPA METHOD 8021B: VOLATILES Benzene	ND	0.047	mg/Kg	1	Analyst: 3/21/2014 5:40:51 PM	NSB 12290
	ND ND	0.047 0.047	mg/Kg mg/Kg	1 1	,	
Benzene			0 0	1 1 1	3/21/2014 5:40:51 PM	12290
Benzene Toluene	ND	0.047	mg/Kg	1 1 1 1	3/21/2014 5:40:51 PM 3/21/2014 5:40:51 PM	12290 12290

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method	od Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysi	s exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 1 of 9
	0	RSD is greater than RSDlimit	Р	Sample pl-I greater than 2.	Tuge Tory
	Ŕ	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

Analytical Report Lab Order 1403858

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/26/2014

CLIENT: Animas Environmental Services Project: Beeline Trunk 6F

1403858-002

Lab ID:

Client Sample ID: SC-2 Collection Date: 3/19/2014 9:26:00 AM Received Date: 3/20/2014 10:00:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS					Analyst	BCN
Diesel Range Organics (DRO)	130	9.9		mg/Kg	1	3/25/2014 12:55:53 PM	12300
Surr: DNOP	66.7	66-131		%REC	1	3/25/2014 12:55:53 PM	12300
EPA METHOD 8015D: GASOLINE RA	NGE					Analyst	NSB
Gasoline Range Organics (GRO)	160	47		mg/Kg	10	3/21/2014 11:28:03 AM	12290
Surr: BFB	151	74.5-129	S	%REC	10	3/21/2014 11:28:03 AM	12290
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	2.3	0.47		mg/Kg	10	3/21/2014 11:28:03 AM	12290
Toluene	6.7	0.47		mg/Kg	10	3/21/2014 11:28:03 AM	12290
Ethylbenzene	3.5	0.47		mg/Kg	10	3/21/2014 11:28:03 AM	12290
Xylenes, Total	24	0.95		mg/Kg	10	3/21/2014 11:28:03 AM	12290
Surr: 4-Bromofluorobenzene	118	80-120		%REC	10	3/21/2014 11:28:03 AM	12290

Matrix: SOIL

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Metho	od Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysis	s exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 2 of 9
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2.	1 450 2 01 9
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

Analytical Report Lab Order 1403858 Date Reported: 3/26/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Project: Beeline Trunk 6F

, **•**

 Client Sample ID: SC-3

 Collection Date: 3/19/2014 11:00:00 AM

 Matrix: SOIL
 Received Date: 3/20/2014 10:00:00 AM

Lab ID: 1403858-003	Matrix:	SOIL	Received 1	Date: 3/20/2014 10:00:00 AM	
Analyses	Result	RL Qu	al Units	DF Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS			Analyst:	BCN
Diesel Range Organics (DRO)	21	9.9	mg/Kg	1 3/25/2014 1:26:20 PM	12300
Surr: DNOP	86.3	66-131	%REC	1 3/25/2014 1:26:20 PM	12300
EPA METHOD 8015D: GASOLINE RA	NGE			Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1 3/21/2014 6:09:32 PM	12290
Surr: BFB	97.5	74.5-129	%REC	1 3/21/2014 6:09:32 PM	12290
EPA METHOD 8021B: VOLATILES				Analyst:	NSB
Benzene	0.11	0.048	mg/Kg	1 3/21/2014 6:09:32 PM	12290
Toluene	0.18	0.048	mg/Kg	1 3/21/2014 6:09:32 PM	12290
Ethylbenzene	ND	0.048	mg/Kg	1 3/21/2014 6:09:32 PM	12290
Xylenes, Total	0.45	0.095	mg/Kg	1 3/21/2014 6:09:32 PM	12290
Surr: 4-Bromofluorobenzene	109	80-120	%REC	1 3/21/2014 6:09:32 PM	12290

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Metho	od Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysis	s exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 3 of 9
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2.	1 age 5 01 7
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

Analytical Report Lab Order 1403858

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/26/2014

CLIENT: Animas Environmental Services Beeline Trunk 6F Project:

1403858-004

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Lab ID:

Client Sample ID: SP-1 Collection Date: 3/19/2014 11:40:00 AM Received Date: 3/20/2014 10:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	GE ORGANICS				Analys	t: BCN
Diesel Range Organics (DRO)	90	9.8	mg/Kg	1	3/25/2014 1:56:45 PM	12300
Surr: DNOP	102	66-131	%REC	1	3/25/2014 1:56:45 PM	12300
EPA METHOD 8015D: GASOLINE RA	ANGE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/21/2014 10:27:16 PM	12290
Surr: BFB	92.2	74.5-129	%REC	1	3/21/2014 10:27:16 PM	1 12290
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.048	mg/Kg	1	3/21/2014 10:27:16 PM	1 12290
Toluene	ND	0.048	mg/Kg	1	3/21/2014 10:27:16 PM	1 12290
Ethylbenzene	ND	0.048	mg/Kg	1	3/21/2014 10:27:16 PM	1 12290
Xylenes, Total	ND	0.097	mg/Kg	1	3/21/2014 10:27:16 PM	1 12290
Surr: 4-Bromofluorobenzene	106	80-120	%REC	1	3/21/2014 10:27:16 PM	1 12290

Matrix: SOIL

Oualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Metho	od Blank
Quantitation	Е	Value above quantitation range	Н	Holding times for preparation or analysis	
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 4 of 9
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2.	Tage For 9
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

Analytical Report Lab Order 1403858

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/26/2014

CLIENT: Animas Environmental Services Project: Beeline Trunk 6F

1403858-005

Lab ID:

Client Sample ID: SP-2 Collection Date: 3/19/2014 11:45:00 AM

Received Date: 3/20/2014 10:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG					Analys	t: BCN
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	3/25/2014 2:27:09 PM	12300
Surr: DNOP	102	66-131	%REC	1	3/25/2014 2:27:09 PM	12300
EPA METHOD 8015D: GASOLINE RA	NGE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	3/21/2014 10:55:51 PM	1 12290
Surr: BFB	90.1	74.5-129	%REC	1	3/21/2014 10:55:51 PM	1 12290
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.047	mg/Kg	1	3/21/2014 10:55:51 PM	1 12290
Toluene	ND	0.047	mg/Kg	1	3/21/2014 10:55:51 PM	1 12290
Ethylbenzene	ND	0.047	mg/Kg	1	3/21/2014 10:55:51 PM	1 12290
Xylenes, Total	ND	0.094	mg/Kg	1	3/21/2014 10:55:51 PM	1 12290
Surr: 4-Bromofluorobenzene	107	80-120	%REC	1	3/21/2014 10:55:51 PM	1 12290

Matrix: SOIL

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

Quatifiers:	*	Value exceeds Maximum Contaminant Level.
	Е	Value above quantitation range
	J	Analyte detected below quantitation limits
	0	RSD is greater than RSD limit

- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank

Page 5 of 9

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

WO#: 1403858

26-Mar-14

	as Environmental Services e Trunk 6F		
Sample ID MB-12299	SampType: MBLK	TestCode: EPA Method 8015D: Diesel Rang	e Organics
Client ID: PBS	Batch ID: 12299	RunNo: 17506	
Prep Date: 3/21/2014	Analysis Date: 3/24/2014	SeqNo: 504464 Units: %REC	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RP	D RPDLimit Qual
Surr: DNOP	8.4 10.00	83.8 66 131	<u></u>
Sample ID LCS-12299	SampType: LCS	TestCode: EPA Method 8015D: Diesel Rang	e Organics
Client ID: LCSS	Batch ID: 12299	RunNo: 17506	
Prep Date: 3/21/2014	Analysis Date: 3/24/2014	SeqNo: 504499 Units: %REC	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RP	D RPDLimit Qual
Surr: DNOP	4.4 5.000	87.5 66 131	
Sample ID MB-12300	SampType: MBLK	TestCode: EPA Method 8015D: Diesel Rang	e Organics
Client ID: PBS	Batch ID: 12300	RunNo: 17506	
Prep Date: 3/21/2014	Analysis Date: 3/24/2014	SeqNo: 504500 Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RP	D RPDLimit Qual
Diesel Range Organics (DRO)	ND 10		
Surr: DNOP	8.4 10.00	83.7 66 131	
Sample ID LCS-12300	SampType: LCS	TestCode: EPA Method 8015D: Diesel Rang	e Organics
Client ID: LCSS	Batch ID: 12300	RunNo: 17506	
Prep Date: 3/21/2014	Analysis Date: 3/24/2014	SeqNo: 504504 Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RP	D RPDLimit Qual
Diesel Range Organics (DRO)	43 10 50.00	0 86.4 60.8 145	
Surr: DNOP	4.6 5.000	91.6 66 131	*
Sample ID MB-12348	SampType: MBLK	TestCode: EPA Method 8015D: Diesel Rang	e Organics
Client ID: PBS	Batch ID: 12348	RunNo: 17542	
Prep Date: 3/25/2014	Analysis Date: 3/25/2014	SeqNo: 505604 Units: %REC	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RP	D RPDLimit Qual
Surr: DNOP	8.2 10.00	82.2 66 131	
Sample ID LCS-12348	SampType: LCS	TestCode: EPA Method 8015D: Diesel Rang	e Organics
Client ID: LCSS	Batch ID: 12348	RunNo: 17542	
Prep Date: 3/25/2014	Analysis Date: 3/25/2014	SeqNo: 505605 Units: %REC	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RP	D RPDLimit Qual
Surr: DNOP	4.5 5.000	89.2 66 131	

Qualifiers:

* Value exceeds Maximum Contaminant Level.

E Value above quantitation range

- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 6 of 9

- P Sample pH greater than 2.
- RL Reporting Detection Limit

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> WO#: 1403858

> > 26-Mar-14

	s Environmer e Trunk 6F	ntal Sei	rvices							
Sample ID 1403858-001AM	I S SampT	ype: M	s	Tes	tCode: El	PA Method	8015D: Dies	el Range (Organics	
Client ID: SC-1	Batch	ID: 12	2300	F	RunNo: 1	7551				
Prep Date: 3/21/2014	Analysis D	ate: 3	/25/2014	S	GeqNo: 5	05617	Units: mg/H	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	63	10	50.10	4.764	116	47.4	148			
Surr: DNOP	5.7		5.010		114	66	131			
Sample ID 1403858-001AM	I SD SampT	уре: М	\$D	Tes	tCode: El	PA Method	8015D: Dies	el Range (Drganics	
Client ID: SC-1	Batch	ID: 12	2300	F	RunNo: 1	7551	•			
Prep Date: 3/21/2014	Analysis D	ate: 3	/25/2014	S	SeqNo: 5	05618	Units: mg/k	<g< td=""><td></td><td></td></g<>		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	63	9.9	49.36	4.764	117	47.4	148	0.259	22.7	
Surr: DNOP	5.3		4.936		108	66	131	0	0	

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- Ę Value above quantitation range
- J Analyte detected below quantitation limits
- RSD is greater than RSDlimit 0
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank В
- H Holding times for preparation or analysis exceeded
 - Not Detected at the Reporting Limit
- Р Sample pH greater than 2.

ND

RL Reporting Detection Limit

- Page 7 of 9

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> WO#: 1403858

> > 26-Mar-14

	Environme Trunk 6F	ntal Ser												
Sample ID MB-12290	BLK	TestCode: EPA Method 8015D: Gasoline Range												
Client ID: PBS	Batch ID: 12290			F	RunNo: 1	7485								
Prep Date: 3/20/2014	Analysis Date: 3/21/2014			SeqNo: 504224			Units: mg/k							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Gasoline Range Organics (GRO)	ND	5.0												
Surr: BFB	900		1000		89.5	74.5	129							
Sample ID LCS-12290	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e					
Client ID: LCSS	Batch	n ID: 12	290	F	RunNo: 1	7485								
Prep Date: 3/20/2014	Analysis D	Date: 3/	21/2014	SeqNo: 504225		Units: mg/k	٢g							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Gasoline Range Organics (GRO)	28	5.0	25.00	0	110	71.7	134							
Surr: BFB	970		1000		97.1	74.5	129							

Qualifiers:

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

Page 8 of 9

Reporting Detection Limit RL

ND

WO#:

1403858

26-Mar-14

Client: Project:	Animas E Beeline T	nvironme runk 6F	ntal Ser	vices										
Sample ID ME		SampT	уре: МЕ	3LK	Tes	tCode: E	PA Method	8021B: Vola	tiles		-			
Client ID: PB	BS	Batch ID: 12290			F	RunNo: 1								
Prep Date: 3	/20/2014	Analysis D	Date: 3/	21/2014	S	SeqNo: 5	04256	Units: mg/H	۲g					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene		ND	0.050			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Lowenne		And B					
Toluene		ND	0.050											
Ethylbenzene		ND	0.050											
Xylenes, Total		ND	0.10											
Surr: 4-Bromoflu	orobenzene	1.1		1.000		106	80	120						
Sample ID LC	mple ID LCS-12290 SampType: LCS TestCode: EPA Method 8021B: Volatiles													
Client ID: LC	SS	Batch	n ID: 12 :	290	F	RunNo: 1	7485							
Prep Date: 3/	/20/2014	Analysis D)ate: 3/	21/2014	5	SeqNo: 5	04257	Units: mg/H	ng/Kg					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene		1.2	0.050	1.000	0	117	80	120						
Toluene		1.1	0.050	1.000	0	107	80	120						
Ethylbenzene		1.1	0.050	1.000	0	107	80	120						
Xylenes, Total		3.2	0.10	3.000	0	107	80	120						
Surr: 4-Bromoflue	orobenzene	1.1		1.000		109	80	120						
Sample ID 140	03858-001AMS	SampT	ype: MS	6	Tes	tCode: E	PA Method	8021B: Vola	tiles					
Client ID: SC	>-1	Batch	n ID: 12	290	RunNo: 17485									
Prep Date: 3/	/20/2014	Analysis D)ate: 3/	21/2014	S	SeqNo: 5	04268	Units: mg/k						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene		1.1	0.047	0.9381	0.009262	113	67.4	135						
Toluene		1.0	0.047	0.9381	0.01162	108	72.6	135						
Ethylbenzene		1.0	0.047	0.9381	0	109	69.4	143						
Xylenes, Total		3.1	0.094	2.814	0.03130	108	70.8	144						
Surr: 4-Bromoflue	orobenzene	1.0		0.9381		111	80	120						
Sample ID 140	03858-001AMS) SampT	ype: MS	3D	Tes	tCode: E	PA Method	8021B: Vola	tiles					
Client ID: SC	5-1	Batch	n ID: 12	290	F	RunNo: 1	7485							
Prep Date: 3/	/20/2014	Analysis C	Date: 3/	21/2014	S	SeqNo: 5	04269	Units: mg/k	(g					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene		1.2	0.047	0.9390	0.009262	125	67.4	135	10.8	20				
Toluene		1.1	0.047	0.9390	0.01162	117	72.6	135	8.27	20				
Ethylbenzene		1.1	0.047	0.9390	0	119	69.4	143	8.96	20				
Xylenes, Total		3.4	0.094	2.817	0.03130	118	70.8	144	8.98	20				
Surr: 4-Bromoflue	orobenzene	1.0		0.9390		109	80	120	0	0				

Qualifiers:

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

Page 9 of 9

- P Sample pH greater than 2.
- RL Reporting Detection Limit

ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Animas Environmental	Work Order Number	1403858		RcptNo: 1
Received by/date: CM 03/	20/14			
Lagged By: Anne Thorne	3/20/2014 10:00:00 AM	4	anne Am	
Completed By: Anne Thorne	3/20/2014		are Am	
Reviewed By: MA	0300/14			
<u>Chain of Custody</u>	• / • /			
1. Custody seals intact on sample bottles?		Yes 🗌	No 🗌	Not Present 🗹
2. Is Chain of Custody complete?		Yes 🗹	No 🗌	Not Present
3 How was the sample delivered?		<u>Courier</u>		
<u>Log In</u>				
4. Was an attempt made to cool the sample	s?	Yes 🗹	No 🗌	
5. Were all samples received at a temperatu	re 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 tes	t(s)?	Yes 🔽	No 🗌	
8. Are samples (except VOA and ONG) prop	erly 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 bro	ken?	Yes 🗌	No 🗹	# of preserved
12.Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗹	No 🗆	bottles checked 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)

s client notified of all discrepancies w	ith this order?	Yes 🗌	No 🗌	NA 🖢
Person Notified:	Date		· · · · · · · · · · · · · · · · ·	
By Whom:	Via:	·	Phone 🗌 Fax 📋	In Person
Regarding:				
Client Instructions:				·····

17. Additional remarks:

18. Cooler Information

Cooler No	Temp ⁰C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.9	Good	Yes			

Page 1 of 1

unain-ot-Custody Record			Turn-Arouna Time:							-			-									
Client: Animas Environmental Services			Ø Standard □ Rush				ANALYSIS LABORATORY															
<u></u>					e:			www.hallenvironmental.com														
Mailing	Mailing Address: 624 E. Comanche			Beeline	Trunk	6F		4901 Hawkins NE - Albuquerque, NM 87109														
Far	minat	<u> </u>	M 87401	Project #:				Tel. 505-345-3975 Fax 505-345-4107														
			-2281	1				Analysis Request														
email o				Project Mana	ger:				(עור	9					04)					Τ		
QA/QC Package:				H. Wood	.5			» (8021	+ TPH (Gas only)	(DRO / MBO)	1		SIMS)		PO4,SC	PCB's						
Accreditation NELAP Other				Sampler: H. Woods / E. Skyles On ice: West Blog Into 13					+ TPH	RO / DF	18.1)	04.1)	8270		0 ₃ ,NO ₂ ,	/ 8082		A)				r Z)
	(Type)			Sample Terri	erature: k	9 <i>7 g</i> i	S. Martin	R		Ъ)	4 b(0d 5	0 or	tals	Z,	ides	2	\$ }	·			Σ
Date	Time	Matrix	Sample Request ID		Preservative Type	許約 3		N N	BTEX + MTBE	TPH 8015B (GRO	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or	RCRA 8 Metals	Anions (F,Cl,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides / 8082 PCB	8260B (VOA)	8270 (Semi-VOA)				Air Bubbles (Y or N)
3/19/14	0921	Soil	50-1	1-402			-ad	X		X												T
	0926	50%	SC-2	1-402	<u> </u>		70Z	X		×										T		
419/14	1100	Soil	50-3	1-402			TB	X		×								_				T
3/19/14	1140	50.1	5P-1	1-402			704	X	·	×												
5/19/14	1145	Soil	5P-2	1-402			705	X		۴												T
3/19/24	443	SHW									_									-		$\overline{+}$
	<u> </u>																		+	-+	-+-	+-
					·																	
					 															+	_	-
·	 					_	- <u></u>	 _														
Date:	Time: Time: Time:	Relinquish Relinquish	the M. Woods	Received by:	u ficed	Date 3/19 Date	Time 114 1715 Time	Ren	nark	l s: `												
12/14	f necessary,	samples sub	Watur Willenvironmental may be subc	ontracted to other ad	credited laboratoria	ZO K	as notice of this	DOSSI		Anv eu	ib-cont	ranter	t data t	will bo	clear	vnota		the an	alution			أج
If necessary, samples submitted to Hall Environmental may be sub				∇				10000	onig. P	ary ou	10-0011		Judia	••na D8		y nota	icu VI	ine an	aryucal	тероп.		

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	FIGURE 3
Field Sampling Results Sample ID Date OPMh (Ft) TPH (mg/kg) NMOCD ACTION LEVEL 100 100	FINAL EXCAVATION SAMPLE LOCATIONS AND RESULTS MARCH 2014 BEELINE GASLINE SYSTEMS TRUNK GF PIPELINE RELEASE SW% NEW, SECTION 36, TZAN, R8W SAN JUAN COUNTY, NEW MEXICO
MMOLD ALTON LEVEL 100 SC-1 SC-2 3/19/14 SC-2 SC-2 3/19/14 SC-2 SC-2 3/19/14 SC-2 SP-2 SP-2 SP-2 SI/19/14 SC-2 SP-2 SI/19/14 SC-2 SP-2 SI/19/14 SIGC COMPOSITE SAMPLES.	N36.27213, W107.62978
Laboratory Analytical Results	DRAWN BY: DATE DRAWN: C. Lameman May 10, 2014 REVISIONS BY: DATE REVISED: C. Lameman May 10, 2014 C. Lameman May 10, 2014 CHECKED BY: DATE CHECKED; E. Skyles May 10, 2014 APPROVED BY: DATE APPROVED;
Sample ID Date Depth (It) Markel (mg/kg) (mg/kg) GRO (mg/kg) (mg/kg) DRO (mg/kg) NMOCD ACTION LEVEL 10 50 100 SC-1 3/19/14 1 to 5 4.7 <10 SC-2 3/19/14 1 to 5 2.3 36.5 160 130 SC-3 3/19/14 5 0.11 0.74 <4.8 21 SP1 3/19/14 Stockpile <0.048 <0.241 <4.8 90 SP-2 3/19/14 Stockpile <0.047 <0.235 <4.7 <9.8 ALL SAMPLES WERE ANALYZED PER EPA METHOD 80218 AND 8015D. SC-3	E. McNally May 10, 2014 LEGEND SAMPLE LOCATIONS P BURIED PIPELINE (APPROXIMATE)
Source of the spine of the spin	
Trunk 6F Pipeline	15 5 5 10 (1 NICH = 15 FEET)

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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 in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action OPERATOR Initial Report Final Report Name of Company Elm Ridge Exploration Co. LLC d.b.a. Contact: Primary-Dianna Lee 330-2736 Secondary- Alan Lain 486-0260 **Beeline Gas Systems** Address: 2001 E. Blanco Blvd. Bloomfield, NM 87413 Telephone No. 634-1144 OIL CONS. DIV DIST. 3 Facility Name: Merrion Leak #2 Facility Type: Pipeline right of way AUG 0 5 2014 Surface Owner State of NM Mineral Owner: State of NM API No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
		<u> </u>		·				

Latitude36.28987350 Longitude -107.64034000

NATURE OF RELEASE

Type of Release: hydro-test leak	Volume of Release: unknown	Volume Recovered: n/a
Source of Release: Pipeline Leak	Date and Hour of Occurrence	Date and Hour of Discovery
	unknown	7/29/14 afternoon
Was Immediate Notice Given?	If YES, To Whom?	
Yes No Not Required	Cory Smith	
By Whom? Dianna Lee	Date and Hour 7/30/14 8:45am	
Was a Watercourse Reached?	If YES, Volume Impacting the Wate	ercourse.
🗌 Yes 🖾 No		
If a Watercourse was Impacted, Describe Fully.* N/A	· · · · · · · · · · · · · · · · · · ·	
Describe Cause of Problem and Remedial Action Taken.*		
The line was pigged with gas then loaded with fresh water when the press		when leak #1 was discovered. One call has
been submitted, excavation and soil sampling will be conducted when the	one call is complete.	
Describe Area Affected and Cleanup Action Taken.*		
Unknown at this time.		
I hereby certify that the information given above is true and complete to t regulations all operators are required to report and/or file certain release n		
public health or the environment. The acceptance of a C-141 report by th		
should their operations have failed to adequately investigate and remediat		
or the environment. In addition, NMOCD acceptance of a C-141 report d		
federal, state, or local laws and/or regulations.		
\wedge	OIL CONSERV	ATION DIVISION
I I ANNA DOLOG		
Signature:		
	Approved by Environmental Specialis	ti ang X
Printed Name: Dianna Lee		$c \neq 0 \sim -$
Title: Regulatory Administrator	Approval Date: 4/8/15	Expiration Date:
	Approval Date.	
E-mail Address: BeelineRegulatory@elmridge.net	Conditions of Approval:	
B man Address. Deermerregulatory ageminage.net		Attached
Date: June 25, 2014 Phone: 505-330-2736		
Attach Additional Sheets If Necessary	thus inading	977
•	ANCS 1509842	
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State of New Mexico Energy Minerals and Natural Resources

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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 in accordance with 19.15.29 NMAC.

API No.

Release Notification and Corrective Action

	OPERATOR	Initial Report	🛛 Final Report
Name of Company Elm Ridge Exploration Co. LLC d.b.a.	Contact: Primary-Dianna Lee	330-2736 Secondary- A	Alan Lain 486-0260
Beeline Gas Systems		OIL CON	VS. DIV DIST. 3
Address: 2001 E. Blanco Blvd. Bloomfield, NM 87413	Telephone No. 634-1144		
Facility Name: Merrion Leak #2	Facility Type: Pipeline right of	f way OC	T 28 2014

Surface Owner State of NM

LOCATION OF RELEASE

Mineral Owner: State of NM

Unit Letter Section Township Range Feet from the North/South Line Feet from the East/West Line County									
	Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County

Latitude<u>36.28987350</u> Longitude<u>-107.64034000</u>

NATURE OF RELEASE

Type of Release: hydro-test leak	Volume of Release: see attached	Volume Recovered: n/a
Source of Release: Pipeline Leak	Date and Hour of Occurrence	Date and Hour of Discovery
	unknown	7/29/14 afternoon
Was Immediate Notice Given?	If YES, To Whom?	
Yes 🗌 No 🔲 Not Required	Cory Smith	
By Whom? Dianna Lee	Date and Hour 7/30/14 8:45am	
Was a Watercourse Reached?	If YES, Volume Impacting the Wat	ercourse.
Yes X No		
If a Watercourse was Impacted, Describe Fully.*		
N/A		
Describe Cause of Problem and Remedial Action Taken.*		
The line was pigged with gas then loaded with fresh water when the press		
submitted, excavation and soil sampling were conducted, contaminated su	oil was removed and backfill was comp	pleted.
Describe Area Affected and Cleanup Action Taken.*		·····
Excavation and soil sampling were conducted, contaminated soil was rer	noved and backfill was completed.	
T	r	
I hereby certify that the information given above is true and complete to t	he best of my knowledge and understa	nd that pursuant to NMOCD rules and
regulations all operators are required to report and/or file certain release r public health or the environment. The acceptance of a C-141 report by th		
should their operations have failed to adequately investigate and remediat		
or the environment. In addition, NMOCD acceptance of a C-141 report of		
federal, state, or local laws and/or regulations.	1 1	
Λ · · · · · · · · · · · · · · · · · · ·	OIL CONSERV	ATION DIVISION
ALIANA TRA	<u>_</u>	
Signature: MUANNA All		
	Approved by Environmental Specialis	t: hung h
Printed Name: Dianna Lee		
Title: Regulatory Administrator	Approval Date: 4/4/15	Expiration Date:
E-mail Address: BeelineRegulatory@elmridge.net	Conditions of Approval:	Attached
		Attached
Date: October 10, 2014 Phone: 505-330-2736		
Attach Additional Sheets If Necessary	HAVES IGNACLI-	$\alpha/\gamma >$
	41-1, 1, 1070	K161

District I 1625 N. French Dr., Hobbs, NM 88240 District III 8H 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

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

Form C-138 Revised August 1, 2011

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*Surface Waste Management Facility Operator and Generator shall maintain and make this documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE
1. Generator Name and Address: Beeline Gas Systems, 2001 E. Blanco Blvd, PO Box 1280 Bloomfield NM 87413
2. Originating Site: Merrion Leak #2
3. Location of Material (Street Address, City, State or ULSTR): Lat: 36.28987350 Long: -107.64034000
4. Source and Description of Waste:
Estimated Volumeyd ³ /bbls Known Volume (to be entered by the operator at the end of the haul) yd ³ /bbls
5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS I, Dianna Lee, representative or authorized agent for Beeline Gas Systems do hereby PRINT & SIGN NAME certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)
RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non- exempt waste Operator Use Only. Waste Acceptance Frequency . Monthly Devekly Der-Load
RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)
🗆 MSDS Information 👘 RCRA Hazardous Waste Analysis 🔲 Process Knowledge 🗇 Other (Provide description in Box 4)
I, GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS authorize Envirotech to
complete the required testing/sign the Generator Waste Testing Certification.
I, representative for do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.
5. Transporter: Moss
CD Permitted Surface Waste Management Facility
Name and Facility Permit #: TNT Environmental: Permit # NM-01-0008
Address of Facility: #70 CR 405 Lindrith, NM 87029
Method of Treatment and/or Disposal:
🗌 Evaporation 🗌 Injection 🔲 Treating Plant 🛛 Landfarm 🔲 Landfill 🔲 Other
aste Acceptance Status:
RINT NAME: Dianna Lee TITLE: Regulatory Compliance DATE: 8/4/2014
IGNATURE:

HALL ENVIRONMENTAL ANALYSIS LABORATORY

August 08, 2014

Kelsey Christiansen Animas Environmental Services 624 East Comanche Farmington, NM 87401 TEL: (505) 564-2281 FAX (505) 324-2022

RE: Beeline Merrion Release #2

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

OIL CONS. DIV DIST. 3

MAR 26 2015

OrderNo.: 1408230

Dear Kelsey Christiansen:

Hall Environmental Analysis Laboratory received 3 sample(s) on 8/6/2014 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,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 1408230 Date Reported: 8/8/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

Project: Beeline Merrion Release #2

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Client Sample ID: SC-1 Collection Date: 8/5/2014 10:15:00 AM

Lab ID: 1408230-001	Matrix:	Matrix: SOIL			Received Date: 8/6/2014 7:35:00 AM			
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch	
EPA METHOD 8015D: DIESEL RANG	GE ORGANICS					Analyst	BCN	
Diesel Range Organics (DRO)	42	9.9		mg/Kg	1	8/6/2014 10:45:09 AM	14626	
Surr: DNOP	99.1	57.9-140		%REC	1	8/6/2014 10:45:09 AM	14626	
EPA METHOD 8015D: GASOLINE RA	ANGE					Analyst	NSB	
Gasoline Range Organics (GRO)	6.0	3.3		mg/Kg	1	8/6/2014 10:43:56 AM	R20403	
Surr: BFB	126	80-120	S	%REC	1	8/6/2014 10:43:56 AM	R20403	
EPA METHOD 8021B: VOLATILES						Analyst	NSB	
Benzene	ND	0.033		mg/Kg	1	8/6/2014 10:43:56 AM	R20403	
Toluene	ND	0.033		mg/Kg	1	8/6/2014 10:43:56 AM	R20403	
Ethylbenzene	ND	0.033		mg/Kg	1	8/6/2014 10:43:56 AM	R20403	
Xylenes, Total	ND	0.067		mg/Kg	1	8/6/2014 10:43:56 AM	R20403	
Surr: 4-Bromofluorobenzene	100	80-120		%REC	1	8/6/2014 10:43:56 AM	R20403	
EPA METHOD 300.0: ANIONS						Analyst	JRR	
Chloride	900	30		mg/Kg	20	8/6/2014 11:54:28 AM	14629	

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method	od Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysis	s exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 1 of 7
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2.	ruge ror /
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

Analytical Report Lab Order 1408230

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services

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Date Reported: 8/8/2014
Client Sample ID: SC-2

Project:Beeline Merrion Release #2Lab ID:1408230-002	Collection Date: 8/5/2014 10:20:00 AM Matrix: SOIL Received Date: 8/6/2014 7:35:00 AM					
Analyses	Result		ial Units		Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE	ORGANICS				Analyst	BCN
Diesel Range Organics (DRO)	20	10	mg/Kg	1	8/6/2014 11:06:35 AM	14626
Surr: DNOP	111	57.9-140	%REC	1	8/6/2014 11:06:35 AM	14626
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	17	mg/Kg	5	8/6/2014 11:14:13 AM	R20403
Surr: BFB	106	80-120	%REC	5	8/6/2014 11:14:13 AM	R20403
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.17	mg/Kg	5	8/6/2014 11:14:13 AM	R20403
Toluene	ND	0.17	mg/Kg	5	8/6/2014 11:14:13 AM	R20403
Ethylbenzene	ND	0.17	mg/Kg	5	8/6/2014 11:14:13 AM	R20403
Xylenes, Total	ND	0.34	mg/Kg	5	8/6/2014 11:14:13 AM	R20403
Surr: 4-Bromofluorobenzene	114	80-120	%REC	5	8/6/2014 11:14:13 AM	R20403
EPA METHOD 300.0: ANIONS					Analyst	JRR
Chloride	480	30	mg/Kg	20	8/6/2014 12:31:42 PM	14629

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method	od Blank
	Е	Value above quantitation range	Н	H Holding times for preparation or analysis exceed	
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 2 of 7
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2.	1 4ge 2 01 7
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

Analytical Report Lab Order 1408230

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 8/8/2014
Client Sample ID: SC-3

CLIENT: Animas Environmental Services**Project:** Beeline Merrion Release #2

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Collection Date: 8/5/2014 10:25:00 AM Received Date: 8/6/2014 7:35:00 AM

Lab ID: 1408230-003	Matrix:	Received I	Received Date: 8/6/2014 7:35:00 AM			
Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	GE ORGANICS				Analyst	BCN
Diesel Range Organics (DRO)	12	10	mg/Kg	1	8/6/2014 11:28:14 AM	14626
Surr: DNOP	105	57.9-140	%REC	1	8/6/2014 11:28:14 AM	14626
EPA METHOD 8015D: GASOLINE R	ANGE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	17	mg/Kg	5	8/6/2014 11:44:29 AM	R20403
Surr: BFB	91.8	80-120	%REC	5	8/6/2014 11:44:29 AM	R20403
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.17	mg/Kg	5	8/6/2014 11:44:29 AM	R20403
Toluene	ND	0.17	mg/Kg	5	8/6/2014 11:44:29 AM	R20403
Ethylbenzene	ND	0.17	mg/Kg	5	8/6/2014 11:44:29 AM	R20403
Xylenes, Total	ND	0.33	mg/Kg	5	8/6/2014 11:44:29 AM	R20403
Surr: 4-Bromofluorobenzene	95.5	80-120	%REC	5	8/6/2014 11:44:29 AM	R20403
EPA METHOD 300.0: ANIONS					Analyst	JRR
Chloride	280	30	mg/Kg	20	8/6/2014 12:44:07 PM	14629

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Metho	od Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysis	sexceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 3 of 7
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2.	
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			
	3	spike receivery suiside decepted receivery mints			

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Animas Environmental Services **Project:** Beeline Merrion Release #2

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Sample ID MB-14629	SampType: MBLK	TestCode: EPA Method	300.0: Anions	
Client ID: PBS	Batch ID: 14629	RunNo: 20424		
Prep Date: 8/6/2014	Analysis Date: 8/6/2014	SeqNo: 594128	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			
Sample ID LCS-14629	SampType: LCS	TestCode: EPA Method	300.0: Anions	· · · · · · · · · · · · · · · · · · ·
Client ID: LCSS	Batch ID: 14629	RunNo: 20424		
Prep Date: 8/6/2014	Analysis Date: 8/6/2014	SeqNo: 594129	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	14 1.5 15.00	0 94.0 90	110	

Qualifiers:

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

WO#: 1408230

08-Aug-14

Page 4 of 7

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

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WO#: 1408230

08-Aug-14

	s Environmer e Merrion Re									
Sample ID MB-14626		ype: ME					8015D: Diese	el Range (Drganics	
Client ID: PBS	Batch	ID: 14	626	F	RunNo: 20	0396				
Prep Date: 8/6/2014	Analysis D	ate: 8/	6/2014	5	SeqNo: 5	93213	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	9.0		10.00		90.3	57.9	140			
Sample ID LCS-14626	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015D: Diese	el Range (Organics	
Client ID: LCSS	Batch	ID: 14	626	F	RunNo: 2	0396				
Prep Date: 8/6/2014	Analysis D	ate: 8/	6/2014	S	SeqNo: 5	93214	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	90.5	68.6	130			
Surr: DNOP	4.5		5.000		89.9	57.9	140			

Qualifiers:

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

- Page 5 of 7

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client:		nvironmer	• • • •								
Project:	Beeline M	ferrion Re	lease #:	2							· · ·
Sample ID	5ML RB MK	SampT	ype: ME	BLK	Test	tCode: El	PA Method	8015D: Gasc	line Rang	e	
Client ID:	PBS	Batch	ID: R2	0403	F	RunNo: 2 0	0403				
Prep Date:		Analysis D	ate: 8/	6/2014	S	SeqNo: 5	93887	Units: mg/K	ξg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang Surr: BFB	e Organics (GRO)	ND 950	5.0	1000		94.8	80	120			
Sample ID	2.5UG GRO LCS	SampT	ype: LC	s	Test	tCode: El	PA Method	8015D: Gasc	line Rang	e	-
Client ID:	LCSS	Batch	ID: R2	0403	ਜ	RunNo: 2	0403				
Prep Date:		Analysis D	ate: 8 /	6/2014	S	SeqNo: 5	93888	Units: mg/K	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	e Organics (GRO)	26	5.0	25.00	0	105	65.8	139			
Surr: BFB		1000		1000		101	80	120			
Sample ID	1408230-001AMS	SampT	ype: MS	3	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e	,
1)po/								
Client ID:		•	ID: R2		F	RunNo: 2	0403				
		•	ID: R2	0403		RunNo: 2 SeqNo: 5		Units: mg/k	(g		
Client ID:		Batch	ID: R2	20403 76/2014		SeqNo: 5		Units: mg/k HighLimit	(g %RPD	RPDLimit	Qual
Client ID: Prep Date: Analyte		Batch Analysis D	i ID: R2 ate: 8/	20403 76/2014	S	SeqNo: 5	93890	•	Ū	RPDLimit	Qual
Client ID: Prep Date: Analyte	SC-1	Batch Analysis D Result	i ID: R2 ate: 8 / PQL	20403 26/2014 SPK value	SPK Ref Val	SeqNo: 5	93890 LowLimit	HighLimit	Ū	RPDLimit	Qual S
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB	SC-1	Batch Analysis D Result 22 940	ate: 8 / PQL 3.3	20403 76/2014 SPK value 16.73 669.3	SPK Ref Val 5.977	SeqNo: 5 %REC 94.7 141	93890 LowLimit 71.8 80	HighLimit 132	%RPD		
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB	SC-1 e Organics (GRO) 1408230-001AMSE	Batch Analysis D Result 22 940 SampT	ate: 8 / PQL 3.3	20403 76/2014 SPK value 16.73 669.3	SPK Ref Val 5.977 Test	SeqNo: 5 %REC 94.7 141	93890 LowLimit 71.8 80 PA Method	HighLimit 132 120	%RPD		
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID	SC-1 e Organics (GRO) 1408230-001AMSE	Batch Analysis D Result 22 940 SampT	ype: MS	20403 26/2014 SPK value 16.73 669.3 SD 20403	SPK Ref Val 5.977 Tes: F	SeqNo: 5 %REC 94.7 141 tCode: El	93890 LowLimit 71.8 80 PA Method 0403	HighLimit 132 120	%RPD		
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID Client ID:	SC-1 e Organics (GRO) 1408230-001AMSE	Batch Analysis D Result 22 940 SampT Batch	ype: MS	20403 26/2014 SPK value 16.73 669.3 SD 20403 26/2014	SPK Ref Val 5.977 Tes: F	SeqNo: 5 %REC 94.7 141 tCode: El RunNo: 2 SeqNo: 5	93890 LowLimit 71.8 80 PA Method 0403	HighLimit 132 120 8015D: Gaso	%RPD		
Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID Client ID: Prep Date: Analyte	SC-1 e Organics (GRO) 1408230-001AMSE	Batch Analysis D Result 22 940 SampT Batch Analysis D	ype: M 2 ate: 8 / <u>PQL</u> 3.3 ype: M 5 1D: R2 ate: 8 /	20403 26/2014 SPK value 16.73 669.3 SD 20403 26/2014	SPK Ref Val 5.977 Tes F S	SeqNo: 5 %REC 94.7 141 tCode: El RunNo: 2 SeqNo: 5	93890 LowLimit 71.8 80 PA Method 0403 93891	HighLimit 132 120 8015D: Gasc Units: mg/K	%RPD	e	S

Qualifiers:

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

Page 6 of 7

- 1408230 08-Aug-14

WO#:

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QC SUMMARY REPORT	
Hall Environmental Analysis Laboratory, Inc.	

WO#: 1408230

08-Aug-14

Client: Project:	Animas E Beeline M	Invironme Aerrion Re									
Sample ID	5ML RB MK	Samp	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID:	PBS	Batc	n ID: R2	0403	F	unNo: 2	0403				
Prep Date:		Analysis E	Date: 8/	6/2014	S	SeqNo: 5	93938	Units: mg/M	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.050	of it value			LOWENIN	rugriciinit		N Denne	
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Brom	ofluorobenzene	1.1		1.000		106	80	120			
Sample ID	100NG BTEX LCS	Samp	ype: LC	S	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID:	LCSS	Batc	h ID: R2	0403	F	RunNo: 2	0403				
Prep Date:		Analysis [Date: 8/	6/2014	S	SeqNo: 5	93939	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.98	0.050	1.000	0	98.4	80	120			
Toluene		0.97	0.050	1.000	0	97.3	80	120			
Ethylbenzene		0.99	0.050	1.000	0	99.1	80	120			
Xylenes, Total		3.1	0.10	3.000	0	103	80	120			
Surr: 4-Brom	ofluorobenzene	0.99		1.000		98.9	80	120			
Sample ID	1408230-002AMS	Samp	Гуре: М	\$	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID:	SC-2	Batc	h ID: R2	0403	F	RunNo: 2	0403				
Prep Date:		Analysis [Date: 8/	6/2014	5	SeqNo: 5	93942	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		3.4	0.17	3.399	0.00000						
Toluene				0.000	0.06866	98.1	77.4	142			
		3.4	0.17	3.399	0.06866 0.08837	98.1 97.6	77.4 77	142 132			
Ethylbenzene		3.4 3.5	0.17 0.17								
				3.399	0.08837	97.6	77	132			
Ethylbenzene Xylenes, Total	nofluorobenzene	3.5	0.17	3.399 3.399	0.08837 0.1135	97.6 99.0	77 77.6	132 134			
Ethylbenzene Xylenes, Total Surr: 4-Brom	nofluorobenzene 1408230-002AMSI	3.5 11 3.9	0.17	3.399 3.399 10.20 3.399	0.08837 0.1135 0.3715	97.6 99.0 106 115	77 77.6 77.4 80	132 134 132	tiles		
Ethylbenzene Xylenes, Total Surr: 4-Brom	1408230-002AMSI	3.5 11 3.9 D Samp ⁻	0.17 0.34	3.399 3.399 10.20 3.399 5D	0.08837 0.1135 0.3715 Tes	97.6 99.0 106 115	77 77.6 77.4 80	132 134 132 120	tiles		
Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID	1408230-002AMSI	3.5 11 3.9 D Samp ⁻	0.17 0.34 Гуре: MS h ID: R2	3.399 3.399 10.20 3.399 5D 0403	0.08837 0.1135 0.3715 Tes	97.6 99.0 106 115 tCode: El	77 77.6 77.4 80 PA Method 0403	132 134 132 120			
Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID Client ID:	1408230-002AMSI	3.5 11 3.9 D Samp ⁻ Batc	0.17 0.34 Гуре: MS h ID: R2	3.399 3.399 10.20 3.399 5D 0403 6/2014	0.08837 0.1135 0.3715 Tes	97.6 99.0 106 115 tCode: El	77 77.6 77.4 80 PA Method 0403	132 134 132 120 8021B: Vola		RPDLimit	Qual
Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID Client ID: Prep Date:	1408230-002AMSI	3.5 11 3.9 D Samp Batc Analysis [0.17 0.34 Fype: MS h ID: R2 Date: 8/	3.399 3.399 10.20 3.399 5D 0403 6/2014	0.08837 0.1135 0.3715 Tes F	97.6 99.0 106 115 tCode: El RunNo: 2 SeqNo: 5	77 77.6 77.4 80 PA Method 0403 93943	132 134 132 120 8021B: Vola Units: mg/F	٢g	RPDLimit 20	Qual
Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID Client ID: Prep Date: Analyte	1408230-002AMSI	3.5 11 3.9 D Samp ⁻ Batc Analysis [Result	0.17 0.34 Fype: MS h ID: R2 Date: 8/ PQL	3.399 3.399 10.20 3.399 5D 0403 6/2014 SPK value	0.08837 0.1135 0.3715 Tes F SPK Ref Val	97.6 99.0 106 115 tCode: El RunNo: 2 SeqNo: 5 %REC	77 77.6 77.4 80 PA Method 0403 93943 LowLimit	132 134 132 120 8021B: Vola Units: mg/F HighLimit	(g %RPD		Qual
Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID Client ID: Prep Date: Analyte Benzene	1408230-002AMSI	3.5 11 3.9 D Samp ⁻ Batc Analysis [<u>Result</u> 3.3	0.17 0.34 Type: M h ID: R2 Date: 8 / PQL 0.17	3.399 3.399 10.20 3.399 5D 0403 6/2014 SPK value 3.399	0.08837 0.1135 0.3715 Tes F SPK Ref Val 0.06866	97.6 99.0 106 115 tCode: El RunNo: 2 SeqNo: 5 %REC 95.2	77 77.6 77.4 80 PA Method 0403 93943 LowLimit 77.4	132 134 132 120 8021B: Vola Units: mg/F HighLimit 142	(g <u>%RPD</u> 2.99	20	Qual
Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID Client ID: Prep Date: Analyte Benzene Toluene	1408230-002AMSI	3.5 11 3.9 D Samp Batc Analysis [<u>Result</u> 3.3 3.3	0.17 0.34 Fype: MS h ID: R2 Date: 8/ PQL 0.17 0.17	3.399 3.399 10.20 3.399 5D 0403 6/2014 SPK value 3.399 3.399	0.08837 0.1135 0.3715 Tes F SPK Ref Val 0.06866 0.08837	97.6 99.0 106 115 tCode: El RunNo: 2 SeqNo: 5 %REC 95.2 93.8	77 77.6 77.4 80 PA Method 0403 93943 LowLimit 77.4 77.4	132 134 132 120 8021B: Vola Units: mg/k HighLimit 142 132	(g %RPD 2.99 3.87	20 20	Qual

Qualifiers:

* Value exceeds Maximum Contaminant Level.

Value above quantitation range Е

- Analyte detected below quantitation limits J
- RSD is greater than RSDlimit 0
- RPD outside accepted recovery limits R
- S Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank В
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 7 of 7

- Р Sample pH greater than 2.
- Reporting Detection Limit RL

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental Albu TEL: 505-345-3975 Website: www.ha	4901 Hawkins Iquerque, NM 87 FAX: 505-345-41	NE 109 Sam 107	ple Log-In Check List
Client Name: Animas Environmental	Work Order Number:	1408230		RcptNo: 1
Received by/date: AFT 08/06/	114			
Logged By: Anne Thorne	8/6/2014 7:35:00 AM		anne Am	-
Completed By: Anne Thorne	8/6/2014		Anne Him	
Reviewed By: MM	nolocity			
Chain of Custody	quy.		*- <u></u>	
1. Custody seals intact on sample bottles?		Yes 🗌	No 🗋	Not Present
2. Is Chain of Custody complete?		Yes 🗹	No 🗌	Not Present
3. How was the sample delivered?		<u>Courier</u>		
Log In				
4. Was an attempt made to cool the samples	?	Yes 🗹	No 🗆	
5. Were all samples received at a temperature	e 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) prope	rly preserved?	Yes 🗹	No 🗌	
9. Was preservative added to bottles?	· .	Yes 🗋	No 🗹	NA 🗌
10. VOA vials have zero headspace?		Yes	No 🗌	No VOA Viais 🗹
11. Were any sample containers received brok	en?	Yes 📙	No 🗹	# of preserved
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.V	Vas client notified of all	discrepancies with this order?	Yes 🗍 No 🗌 I							
	Person Notified: By Whom:	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	Phone 🗌 Fax 📋	In Person					
	Regarding: Client Instructions:									

17. Additional remarks:

, c 🕴

18. Cooler Information

•	Cooler No	Temp °C	Condition	Seal Intact Seal	No Seal Date	Signed By
	1	3.6	Good	Yes		

.....

C	hain	of-Cu	stody Record	Tum-Around							L			E		ТЕ				NT		
Client:	Anim	15 E1	viconmental	Beelline	Rush	Sameo	lay															
	bervice	sll	comanche		Marcan	12.1.000	#0			•	١	~~~~	.hall	envi	ironn	nent	al.co	om				
Mailing	Address	24 F	comanche	Deeline	Merrion	Kelense	<u>`</u>		490	01 H	awkii	ns N	E -	Alb	uque	erqu	ə, NM	M 87	109			
Farmi	ngto,	NM	87401 2281	Project #:							5-34				ax (14 T A
Phone :	#0 505	5-564-	2281	 	······································								**`;A			Req	uest			ta .' \$		
email o	r Fax#:		<u></u>	Project Mana	-			1)	only	R S					[¶]	٥						
QA/QC	Package: dard		Level 4 (Full Validation)	Kelse	y Chru	stensen		1 8021)	(Gas only)	E S	Ì		SIMS)		PO4,	2 PCB			5			ŀ
Accredi			-	Sampler:	Watsor	}			HdT +	R	418.1)	,	270		2 Z	808			K			î
			r	On Ice				1	+ ய	(B)	1418	20	or 8	als	ő	les /		VOA	Chen			≺ s
Date	Time	Matrix	Sample Request ID		Preservative Type		No:	BTEX + 442	BTEX + MTBE	TPH 8015B (GROAD	TPH (Method	EDB (Method 504.1)	PAH's (8310 or 8270	RCRA 8 Metals	Anions (F,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	300.0 CI			Air Bubbles (Y or N)
1-5-14	1015	soil	5(-1	240	Cid		0	X		X									\times			
	1020		Sc-2			-	201	X		X									X			Τ
8-5-14	1025		SC-3			-	-263	×		X									N			
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Date:	Time:	Réinquish	ed by:	Received by:	l,	Date	Time	Rer	narks	<u>.</u>	1											
8/5/14	1759	All	h Water	Miste	while	ber 8/5/14	1 1759		nank	5.												
	Time:		ed by:	Received by.	dens	Date /00	Time // 4 // 735	-														
• ~}``	<u> </u>	samples sub	mitted to Hall Environmental may be sub	contracted to other a	ccredited laboratori	es. This serves as	notice of this	s possi	bility. /	Any su	b-cont	racted	data v	will be	cleari	y nota	ted on	the a	nalytic:	al report	<i></i>	

• • • 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 in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action OPERATOR Initial Report **Final Report** Name of Company Elm Ridge Exploration Co. LLC d.b.a. Contact: Primary-Dianna Lee 330-2736 Secondary- Alan Lain 486-0260 **Beeline Gas Systems** Address: 2001 E. Blanco Blvd. Bloomfield, NM 87413 Telephone No. 634-1144 OIL CONS. DIV DIST. 3 Facility Name: Merrion Leak #1 Facility Type: Pipeline right of way AUG 0 5 2014 Surface Owner State of NM Mineral Owner: State of NM API No.

LOCATION	OF	REL	LEAS	E

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County

Latitude36.27692400 Longitude -107.63493200

NATURE OF RELEASE

Type of Release: hydro-test leak	Volume of Release: unknown	Volume Recovered: n/a
Source of Release: Pipeline Leak	Date and Hour of Occurrence	Date and Hour of Discovery
	unknown	7/29/14 afternoon
Was Immediate Notice Given?	If YES, To Whom?	
Yes No Not Required	Cory Smith	
By Whom? Dianna Lee	Date and Hour 7/30/14 8:45am	
Was a Watercourse Reached?	If YES, Volume Impacting the Wat	tercourse.
🗌 Yes 🖾 No		
If a Watercourse was Impacted, Describe Fully.*		• • • • •
N/A	· · · ·	
		·····
Describe Cause of Problem and Remedial Action Taken.*		
The line was pigged with gas then loaded with fresh water when the press also an additional leak further up the line as well. The second leak will be		
sampling will be conducted when the one call is complete.	referred to as Merrion Leak #2. One	can has been submitted, excavation and son
sampling will be conducted when the one can is complete.		
Describe Area Affected and Cleanup Action Taken.*		
Unknown at this time.		
· · ·		
		14.4 March 1000 Parts and
I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release ne		
public health or the environment. The acceptance of a C-141 report by the		
should their operations have failed to adequately investigate and remediate		
or the environment. In addition, NMOCD acceptance of a C-141 report d		
federal, state, or local laws and/or regulations.	1 1	
\wedge	OIL CONSERV	VATION DIVISIÓN <
MANNA 200		
Signature:		
	Approved by Environmental Speciali	st: any
Printed Name: Dianna Lee	, , , , , , , , , , , , , , , , ,	CXIV-
mini De la calendaria de	LIGHT	
Title: Regulatory Administrator	Approval Date: 4/8/15	Expiration Date:
E mail Address: BeelinePeoulatory@elmridge.net	Conditions of Approval:	
E-mail Address: BeelineRegulatory@elmridge.net	Conditions of Approval.	Attached
Date: June 25, 2014 Phone: 505-330-2736		
	there is and in	~ 1 10 A
	HAVS 15090 4	1440

State of New Mexico Energy Minerals and Natural Resources

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

Revised August 8, 2011 Copy to appropriate District Office in

Form C-141

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

API No.

Release Notification and Corrective Action

	OPERATOR	Initial Report	🛛 Final Report
Name of Company Elm Ridge Exploration Co. LLC d.b.a.	Contact: Primary-Dianna Lee	330-2736 Secondary- A	lan Lain 486-0260
Beeline Gas Systems		OLCO	NS. DIV DIST 3
Address: 2001 E. Blanco Blvd. Bloomfield, NM 87413	Telephone No. 634-1144		
Facility Name: Merrion Leak #1	Facility Type: Pipeline right of	of way O(CT 28 2014

Surface Owner State of NM Mineral Owner: State of NM

I OCATION OF DELEASE

LOCATION OF RELEASE											
Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County			
								-			
			L								

Latitude36.27692400 Longitude-107.63493200

NATURE OF RELEASE

Type of Release: hydro-test leak	Volume of Release: unknown	Volume Recovered: n/a
Source of Release: Pipeline Leak	Date and Hour of Occurrence	Date and Hour of Discovery
	unknown	7/29/14 afternoon
Was Immediate Notice Given?	If YES, To Whom?	
🛛 Yes 🗌 No 🗍 Not Required		
By Whom? Dianna Lee	Date and Hour 7/30/14 8:45am	
Was a Watercourse Reached?	If YES, Volume Impacting the Wat	ercourse.
Yes 🛛 No		
If a Watercourse was Impacted, Describe Fully.*		
N/A		
Describe Cause of Problem and Remedial Action Taken.*		
The line was pigged with gas then loaded with fresh water when the press	sure flat lined, began to walk pipeline w	when leak #1 was discovered. There was
also an additional leak further up the line as well. The second leak will be	e referred to as Merrion Leak #2. One c	call was submitted, excavation and soil
sampling were conducted on the base, walls and spoil piles. Backfill was	completed as well.	
Describe Area Affected and Cleanup Action Taken.*		
Affected area was not significant, soil samples came back at acceptable le	evels and we were able to make the rep	air to the pipe and backfill.
· · · · · · · · · · · · · · ·		
I hereby certify that the information given above is true and complete to t	he best of my knowledge and understa	nd that pursuant to NMOCD rules and
regulations all operators are required to report and/or file certain release n	otifications and perform corrective act	ions for releases which may endanger
public health or the environment. The acceptance of a C-141 report by th	e NMOCD marked as "Final Report" o	loes not relieve the operator of liability
should their operations have failed to adequately investigate and remediat	e contamination that pose a threat to g	round water, surface water, human health
or the environment. In addition, NMOCD acceptance of a C-141 report d	oes not relieve the operator of respons	ibility for compliance with any other
federal, state, or local laws and/or regulations.		$ \land $
Λ	OIL CONSERV	ATION DIVISION
	<u></u> 011001()	
Signature:		
	Approved by Environmental Specialis	due 1
Printed Name: Dianna Lee	Approved by Environmental Specialis	
Title: Regulatory Administrator	Approval Date: 4/8/13	Expiration Date:
	1/4/ J	
E-mail Address: BeelineRegulatory@elmridge.net	Conditions of Approval:	
		Attached
Date: 0 A 10, 2014 Phone: 505-330-2736		
Attach Additional Sheets If Necessary	1)	
Autori Auditoriai Sheetis II Neuessal y	HIVS 15199 471	604
4		

HALL ENVIRONMENTAL ANALYSIS LABORATORY

August 05, 2014

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Kelsey Christiansen Animas Environmental Services 624 East Comanche Farmington, NM 87401 TEL: (505) 564-2281 FAX (505) 324-2022 Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

OIL CONS. DIV DIST. 3

MAR 26 2015

RE: Beeline Merrion Release #1

OrderNo.: 1408003

Dear Kelsey Christiansen:

Hall Environmental Analysis Laboratory received 1 sample(s) on 8/1/2014 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,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report	
Lab Order 1408003	

Hall Environmental Analysis Laboratory, Inc.

ì,

2

Date Reported: 8/5/2014

CLIENT: Animas Environmental Service	5		С	lient Samp	le ID: S-I	l			
Project: Beeline Merrion Release #1				Collection	Date: 7/3	1/2014 8:20:00 AM			
Lab ID: 1408003-001	Matrix:	Matrix: SOIL			Received Date: 8/1/2014 7:45:00 AM				
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch		
EPA METHOD 8015D: DIESEL RANGE C	RGANICS					Analyst:	BCN		
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	8/1/2014 10:58:05 AM	14544		
Surr: DNOP	139	57.9-140		%REC	1	8/1/2014 10:58:05 AM	14544		
EPA METHOD 8015D: GASOLINE RANG	E					Analyst:	NSB		
Gasoline Range Organics (GRO)	ND	3.0		mg/Kg	1	8/1/2014 1:11:18 PM	R20318		
Surr: BFB	118	80-120		%REC	1	8/1/2014 1:11:18 PM	R20318		
EPA METHOD 8021B: VOLATILES						Analyst:	NSB		
Benzene	ND	0.030		mg/Kg	1	8/1/2014 1:11:18 PM	R20318		
Toluene	ND	0.030		mg/Kg	1	8/1/2014 1:11:18 PM	R20318		
Ethylbenzene	ND	0.030		mg/Kg	1	8/1/2014 1:11:18 PM	R20318		
Xylenes, Total	0.20	0.061		mg/Kg	1	8/1/2014 1:11:18 PM	R20318		
Surr: 4-Bromofluorobenzene	101	80-120		%REC	1	8/1/2014 1:11:18 PM	R20318		
EPA METHOD 300.0: ANIONS						Analyst:	JRR		
Chloride	ND	90		mg/Kg	20	8/1/2014 11:57:31 AM	14550		

Qualifiers: *		Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Meth	od Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysi	s exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 1 of 6
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2.	1 450 1 01 0
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

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Hall Environmental Analysis Laboratory, Inc.

Client:Animas Environmental ServicesProject:Beeline Merrion Release #1

Sample ID MB-14550	SampType: MBLK	TestCode: EPA Method	300.0: Anions		
Client ID: PBS	Batch ID: 14550	RunNo: 20350			
Prep Date: 8/1/2014	Analysis Date: 8/1/2014	SeqNo: 591658	Units: mg/Kg		
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit	Qual
Chloride	ND 1.5				
Sample ID LCS-14550	SampType: LCS	TestCode: EPA Method	300.0: Anions		
		TestCode: EPA Method RunNo: 20350	300.0: Anions		
Sample ID LCS-14550 Client ID: LCSS	SampType: LCS		300.0: Anions Units: mg/Kg		
Sample ID LCS-14550 Client ID: LCSS	SampType: LCS Batch ID: 14550 Analysis Date: 8/1/2014	RunNo: 20350		RPDLimit	Qual

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.
- RL Reporting Detection Limit

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05-Aug-14

1408003

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Hall Environmental Analysis Laboratory, Inc.

WO#: 1408003

05-Aug-14

	as Environmenta le Merrion Relea								
Sample ID MB-14544	SampTyp	e: MBLK	Tes	stCode: E	PA Method	8015D: Dies	el Range (Organics	
Client ID: PBS	Batch ID): 14544	f	RunNo: 2	0301				
Prep Date: 8/1/2014	Analysis Date	e: 8/1/2014	\$	SeqNo: 5	90108	Units: mg/l	<g< td=""><td></td><td></td></g<>		
Analyte	Result F	PQL SPK value	e SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10							
Surr: DNOP	9.6	10.00)	96.4	57.9	140			
Sample ID LCS-14544	SampType	e: LCS	Tes	tCode: E	PA Method	8015D: Dies	el Range (Drganics	
Client ID: LCSS	Batch ID): 14544	F	RunNo: 2	0301				
Prep Date: 8/1/2014	Analysis Date	e: 8/1/2014	S	SeqNo: 5	90111	Units: mg/k	٢g		
Analyte	Result F	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10 50.0) 0	86.0	68.6	130			
Surr: DNOP	4.6	5.000)	91.3	57.9	140			

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.
- RL Reporting Detection Limit

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	s Environmental Services e Merrion Release #1								
Sample ID MB-14534 MK	SampType: MBLK	TestCode: EPA Metho	d 8015D: Gasoline Range						
Client ID: PBS	Batch ID: R20318	RunNo: 20318							
Prep Date:	Analysis Date: 8/1/2014	SeqNo: 590802	Units: mg/Kg						
Analyte	Result PQL SPK va	ue SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit	Qual					
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 890 10	00 88.5 80	120						
Sample ID LCS-14534 MK	SampType: LCS	TestCode: EPA Method	1 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: R20318	RunNo: 20318							
Prep Date:	Analysis Date: 8/1/2014	SeqNo: 590803	Units: mg/Kg						
Analyte	Result PQL SPK va	ue SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit	Qual					
Gasoline Range Organics (GRO)	25 5.0 25	00 0 101 71.7	134						
Surr: BFB	910 10	00 91.5 80	120						
Sample ID MB-14534	SampType: MBLK	TestCode: EPA Method	8015D: Gasoline Range						
Client ID: PBS	Batch ID: 14534	RunNo: 20318							
Prep Date: 7/31/2014	Analysis Date: 8/1/2014	SeqNo: 590808	Units: %REC						
Analyte	Result PQL SPK val	ue SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit	Qual					
Surr: BFB	890 10	00 88.5 80	120						
Sample ID LCS-14534	SampType: LCS	TestCode: EPA Method	8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 14534	RunNo: 20318							
Prep Date: 7/31/2014	Analysis Date: 8/1/2014	SeqNo: 590809	Units: %REC						
Analyte	Result PQL SPK val	e SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit (Qual					
Surr: BFB	910 10	00 91.5 80	120						

Hall Environmental Analysis Laboratory, Inc.

Qualifiers:

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

Page 4 of 6

1408003 05-Aug-14

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			~								05-7145 1
Client: Project:		Environme Merrion Re									
Sample ID MB	14534 MK	SampType: MBLK			Tes	TestCode: EPA Method 8021B: Volatiles					
Client ID: PBS	5	Batcl	h ID: R2	20318	1	RunNo: 2	20318				
Prep Date:		Analysis E	Date: 8	/1/2014		SeqNo: 5	590821	Units: mg/l	۲a		
		-				•		-	-		0
Analyte		Result ND	PQL 0.050	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Bromofluor	obenzene	1.0	,	1.000		101	80	· 120			
Sample ID LCS	-14534 MK	SampT	ype: LC	s	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: LCS			1 ID: R2		f	RunNo: 2	0318				
Prep Date:		Analysis D	ate: 8/	1/2014	S	SeqNo: 5	90822	Units: mg/F	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	· · · · · · · · · · · · · · · · · · ·	0.84	0.050	1.000	0	83.7	80	120			
Toluene		0.83	0.050	1.000	0	82.8	80	120			
Ethylbenzene		0.85	0.050	1.000	0	84.6	80	120			
Xylenes, Total		2.8	0.10	3.000	0	94.1	80	120			
Surr: 4-Bromofluor	obenzene	1.0		1.000		104	80	120			
Sample ID MB-	14534	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS		Batch	ID: 14	534	F	RunNo: 2	0318				
Prep Date: 7/3	1/2014	Analysis D	ate: 8/	1/2014	S	SeqNo: 5	90827	Units: %RE	С		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluor	obenzene	1.0		1.000		101	80	120			
Sample ID LCS	-14534	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCS	s	Batch	ID: 14	534	F	RunNo: 2 0	0318				
Prep Date: 7/3	1/2014	Analysis D	ate: 8/	1/2014	S	SeqNo: 5	90828	Units: %RE	C		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluor	obenzene	1.0		1.000		104	80	120			·
Sample ID MB-	14511 MK	SampT	ype: MB	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS		Batch	ID: R2	0318	F	lunNo: 2 0	0318				
Prep Date:		Analysis D	ate: 8/ '	1/2014	S	eqNo: 5	90838	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.050	· · · · · · · · · · · · · · · · · · ·							

Hall Environmental Analysis Laboratory, Inc.

Qualifiers:

Toluene

Ethylbenzene

Xylenes, Total

* Value exceeds Maximum Contaminant Level.

ND

ND

ND

0.050 0.050

0.10

- 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

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ND Not Detected at the Reporting Limit

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RL

- Sample pH greater than 2.
- Reporting Detection Limit

WO#: 1408003

05-Aug-14

05-Aug-14

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Hall Environmental Analysis Laboratory, Inc.

Animas Environmental Services

Client: Project: Beeline Merrion Release #1 Sample ID MB-14511 MK SampType: MBLK TestCode: EPA Method 8021B: Volatiles Client ID: PBS Batch ID: R20318 RunNo: 20318 Prep Date: Analysis Date: 8/1/2014 SeqNo: 590838 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 0.99 Surr: 4-Bromofluorobenzene 1.000 80 120 99.0 Sample ID LCS-14511 MK SampType: LCS TestCode: EPA Method 8021B: Volatiles Client ID: LCSS Batch ID: R20318 RunNo: 20318 Prep Date: Analysis Date: 8/1/2014 SeqNo: 590839 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Analyte 0.95 95.2 Benzene 0.050 1.000 0 80 120 Toluene 0.94 0.050 1.000 0 93.7 80 120 0.96 0.050 0 96.2 80 120 Ethylbenzene 1.000 0 101 120 Xylenes, Total 3.0 0.10 3.000 80 Surr: 4-Bromofluorobenzene 1.000 104 80 120 1.0

Qualifiers:

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

Page 6 of 6

05-Aug-14

HALL ENVIRONMENTAL ANALYSIS LABORATORY	TEL: 505-345-397.	4901 Hawkin nuquerque, NM 8	15 NE 27109 Sam 4107	ple Log-In Check List
Client Name: Animas Environmental	Work Order Number	r: 1408003		RcptNo: 1
Received by/date:	61/19			
Logged By: Anne Thorne	8/1/2014 7:45:00 AM		anne Ann	_
Completed By: Anne Thorne	8/1/2014		anne Am	_
Reviewed By:	Oxfortury		and from	
Chain of Custody				
1. Custody seals intact on sample bottles?		Yes 🗌	No 🗌	Not Present
2. Is Chain of Custody complete?		Yes 🗹	No 🗌	Not Present
3. How was the sample delivered?		Courier		
Log In				
4. Was an attempt made to cool the sample:	s?	Yes 🗹	No 🗌	
5. Were all samples received at a temperatu	re 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	i(s)?	Yes 🗹	No 🗌	
8. Are samples (except VOA and ONG) prop	erly 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 bro	ken?	Yes 🗌	No 🗹	# of preserved
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🔽	No 🗆	bottles checked for pH: (<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of	of Custody?	Yes 🗹	No 🗌	Adjusted?
14. Is it clear what analyses were requested?		Yes 🗹	No 🗌	
 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 of	liscrepancies with this order?	Yes 🗌	No 🗌	NA 🗹
Person Notified:		Date		
By Whom:			Phone 🗌 Fax 🛄 I	
Regarding:	en ander en			the material states and the second states and
Client Instructions:		and a second		

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17. Additional remarks:

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18. Cooler Information

Ţ	Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1		1.0	Good	Yes			

С	hain-	of-Cu	stody Record	Turn-Around						و 2- م ا	L			E			~ ~			NT	A 1	
Client:	Anim	as Én	Wironmental	□ Standard Project Name Beeline		Sameda	<u>и </u>	ـــــــــــــــــــــــــــــــــــــ														r
	Ser	vices		Project Name	: / ~		J	-		75) 75)						nent			J 16.16 1			
Mailing	Address	624	E Comanche	Beeline	Merrion (Rehase 1	#1		490	01 H									'109			
Far	mune	$\frac{1}{1}$	M 87401	Project #:						el. 50								410				
		564																			1ei T	
email o				Project Mana	ger:			Ê	ŝ	Sa l					O4)							Τ
QA/QC I	Package: dard		Level 4 (Full Validation)	Kelsey	Christia	insen		(8021)	Gas o	<u>し</u>	1		SIMS)		PO4,S	PCB's						
Accredi				Sampler: 🆒	Watson				Hd	LE L	Ŧ	÷	70 S		40 ₂ ,	3082			ž			9
		Other	r	On Ice:	XYes	🖾 No 🚲	Cive S	B+	+	RQ	18.	504.	r 82	s	0 ₃ ,1	3 / S		(Y	Chloride			0 V
	(Type)_	<u> </u>		Sample Tem	perature:	- [:0x			TBE	\mathbb{Q}	po	po	10 0	etal	CI,N	cide	(A)	N-i	410			s ک
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	EEA	LNo US	BTEX + HEAK	3TEX + M	TPH 8015B (GROUDRO) ME	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270	RCRA 8 Metals	Anions (F,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides / 8082	8260B (VOA)	8270 (Semi-VOA)	300.0 C			Air Bubbles (Y or N)
7-21-14	0820	Soul	S - 1	Meolf Kit	Cold			X	<u> </u>	X	-	<u> </u>	<u> </u>	<u> </u>	4	<u></u>	8	8	X			
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Date:	Time:	Relinquish	ed by:	Received by:	·	Date	Time	Rer	nark	is:	I			<u> </u>		4	J		<u> </u>			
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7 3/14	Time:	Relinquish	ed by: tubalters	Received by:	m	Date 108/	Time 511/4 6745															
-+-`	If necessary	eambles sub	mitted to Hall Environmental may be sub	montracted to other a		ine This convos			Sec. 114	A									<u> </u>			

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If necessary samples 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.

3R-1024

Release Report/ General Correspondence

Elm Ridge Pipeline

Date: 2015

State of New Mexico Energy Minerals and Natural Resources

OIL CONS. DIV DIST. 3

API No.

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 HJBm2 1902015 appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

	OPERATOR Initial Report Sinal Report
Name of Company Elm Ridge Exploration Co. LLC d.b.a.	Contact: Primary-Dianna Lee 330-2736 Secondary- Alan Lain 486-0260
Beeline Gas Systems	
Address: 2001 E. Blanco Blvd. Bloomfield, NM 87413	Telephone No. 634-1144
Facility Name #H9	Facility Type: Pipeline right of way

Surface Owner Jicarilla Apache Nation

LOCATION OF RELEASE

Mineral Owner: Jicarilla Apache Nation

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County			
	20	2431	C III								
	32	24N	5W								

Latitude N. 36.26550 Longitude W. 107.38732

NATURE OF RELEASE

NATURE	OF RELEASE	
Type of Release: Gas	Volume of Release: unknown	Volume Recovered: n/a
Source of Release: Pipeline Leak	Date and Hour of Occurrence	Date and Hour of Discovery
	6/23/14 time unknown	6/23/14 afternoon
Was Immediate Notice Given?	If YES, To Whom?	
Yes No Not Required		
By Whom? Dianna Lee	Date and Hour 6/25/14	
Was a Watercourse Reached?	If YES, Volume Impacting the W	atercourse.
🛛 Yes 🗋 No	Unknown	
If a Watercourse was Impacted, Describe Fully.*		
Spill was soaked into wash sand and no liquid was pooling, it is in		of contamination at this time. This
pipeline is for transport of gas not liquids, but liquids are always	present.	
Describe Cause of Problem and Remedial Action Taken.*		
pipeline corrosion. Removed damaged pipe and stove piped, backfilled. C	Contaminated soil was hauled off, clea	an fill dirt was brought in from approved
location.		0 11
*		
Describe Area Affected and Cleanup Action Taken.*		
Spill was soaked into wash, one call was submitted remediation / excavat	ion on Friday June 27th 2014. We utiliz	ed Animas Environmental Services for 3rd
party soil sampling. Backfill was completed the first week of June 2015 d	lue to weather conditions.	
I hereby certify that the information given above is true and complete to t	he best of my knowledge and underst	tand that pursuant to NMOCD rules and
regulations all operators are required to report and/or file certain release n	otifications and perform corrective ad	ctions for releases which may endanger
public health or the environment. The acceptance of a C-141 report by th	e NMOCD marked as "Final Report"	does not relieve the operator of liability
should their operations have failed to adequately investigate and remediat	e contamination that pose a threat to	ground water, surface water, human health
or the environment. In addition, NMOCD acceptance of a C-141 report d	loes not relieve the operator of respon	sibility for compliance with any other
federal, state, or local laws and/or regulations.	A 1	Λ
A A	OIL CONSER	VATION DIVISION
	OIL COMBER	THIN DIVISION
Signature: Manna Oll		Mar HIY
	Approved by Environmental Speciali	in Carl
Printed Name: Dianna Lee	Approved by Environmental Special	ISI.
	C.L.I	
Title: Regulatory Administrator	Approval Date: 8/1/15	Expiration Date:
The Augulatory Augulator	July 1	
E-mail Address: BeelineRegulatory@elmridge.net	Conditions of Approval:	
D-mail Address. Decimercegulatory@cimilidge.net	conditions of reprover.	Attached
Date: June 19, 2015 Phone: 505-330-2736		
	1.007 0157	
Attach Additional Sheets If Necessary HAVS 14	118852453	74
4 m 1	100-0.0-	21

District I 1625 N. French Dr., Hobbs, NM 88240 District II	State of New Mexico Energy Minerals and Natural Resou	Form C-138 Revised August 1, 2011
811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 8750	Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505	*Surface Waste Management Facility Operator and Generator shall maintain and make this documentation available for Division inspection.
REQUEST F	OR APPROVAL TO ACCEP	T SOLID WASTE
1. Generator Name and Address:		
	lvd, PO Box 1280 Bloomfield NM 87413	CONS. DIV DIST. 3
2. Originating Site: AXI #H9 Lateral	UIL	
2 Logation of Matarial (Street Address	City State on ULSTD).	JUN 29 2015
3. Location of Material (Street Address, N. 36.26550 W. 107.38732	City, state of ULSTR):	
4. Source and Description of Waste:		
5 A OGENERATO	Known Volume (to be entered by the opera	ator at the end of the haul) yd ³ /bbls
I, Dianna Lee, Mando XII, , represen	ntative or authorized agent for	Beeline Gas Systems do hereby
PRINT & SIGN NAME	rvation and Recovery Act (RCRA) and the	COMPANY NAME US Environmental Protection Agency's July 1988 ation)
	nerated from oil and gas exploration and pro	oduction operations and are not mixed with non- ly Weekly Per Load
characteristics established in RCRA regu	ulations, 40 CFR 261.21-261.24, or listed ha	eed the minimum standards for waste hazardous by azardous waste as defined in 40 CFR, part 261, e above-described waste is non-hazardous. (Check
MSDS Information RCRA Hazardo	ous Waste Analysis 🔲 Process Knowledg	e 🗇 Other (Provide description in Box 4)
A. GENERATOR 19.15.36.15 WA	ASTE TESTING CERTIFICATION STA	TEMENT FOR LANDFARMS
I, <u>Generator Signature</u> , represent complete the required testing/sign the Generator	ntative for Beeline Gas System	authorize Envirotech to
	have been subjected to the paint filter test an equirements applicable to landfarms pursuan	ad tested for chloride content and that the samples at to Section 15 of 19.15.36 NMAC. The results
5. Transporter: Moss		
OCD Permitted Surface Waste Managemen	it Facility	
Name and Facility Permit #: TNT Environmental Pe		
Address of Facility: #70 CR 405 Lindrith, NM 87029		
Method of Treatment and/or Disposal:		
Evaporation Injection	n 🗌 Treating Plant 🛛 Landfarm	Landfill 🗍 Other
Waste Acceptance Status:		
	APPROVED DENII	ED (Must Be Maintained As Permanent Record)
PRINT NAME:	TITLE:	DATE:
SIGNATURE:	TELEPHONE NO.:	
Surface Waste Management Facility	y Authorized Agent	

Animas Environmental Services, LLC



June 24, 2015

OIL CONS. DIV DIST. 3

JUN 29 2015

Dianna Lee Beeline Gas Systems 2001 E. Blanco Blvd Bloomfield, New Mexico 87413

Via electronic mail with delivery confirmation receipt to: BeelineRegulatory@elmridge.net

RE: Final Excavation Report AXI H9 Lateral Pipeline Release SE¼ SW¼, Section 32, T24N, R5W Rio Arriba County, New Mexico

Dear Ms. Lee:

On July 7, 2014, Animas Environmental Services, LLC (AES) completed an assessment associated with a pipeline release at the Beeline Gas Systems (Beeline) AXI H9 Lateral 4-inch diameter pipeline. The release was discovered on June 25, 2014, and resulted from pipeline corrosion.

1.0 Site Information

1.1 Location

Location – SE¼ SW¼, Section 32, T24N, R5W, Rio Arriba County, New Mexico Latitude/Longitude – N36.26545 and W107.38722, respectively Surface Owner – Jicarilla Apache Nation Figure 1. Topographic Site Location Map Figure 2. Aerial Site Map

1.2 Risk Ranking

1.2.1 JANOGA Action Levels

The Beeline AXI H9 Well Tie Pipeline release is located on Jicarilla Apache Nation lands, and soil remediation action levels are determined by the Jicarilla Apache Nation Oil and Gas Administration (JANOGA). JANOGA action levels for soils currently follow the New Mexico Oil Conservation Division (NMOCD) *Guidelines for Remediation of Leaks, Spills, and Releases* (August 604 W. Piñon St. Farmington, NM 87401 505-564-2281

> 1911 Main, Ste 280 Durango, CO 970-403-3084

www.animasenvironmental.com

1993). Per JANOGA, all locations within Jicarilla Apache Nation lands receive a ranking score of 20:

- 100 part per million (ppm) volatile organic compounds (VOCs) or 10 mg/kg benzene and 50 mg/kg total BTEX (benzene, toluene, ethylbenzene, and xylenes); and
- 100 mg/kg total petroleum hydrocarbons (TPH) as gasoline range organics (GRO) and diesel range organics (DRO).

JANOGA water quality standards currently follow New Mexico Water Quality Control Commission (WQCC).

1.2.2 Surface and Groundwater

The AXI H9 pipeline release location occurred within the Canyon Largo Wash floodplain. Depth to water is approximately 10 feet below ground surface (bgs), as determined by AES and Beeline personnel upon recharge of water within the excavation extent. Additional unrelated release assessments conducted by AES in the immediate vicinity corroborate the shallow depth to water, with a range of 5 to 10 feet bgs.

1.3 Assessment and Mitigation

Prior to July 7, 2014, Beeline contractors completed an excavation along the pipeline and determined that the pipeline release was the result of corrosion. The pipeline was immediately repaired, and prior to backfilling the excavation AES personnel collected a total of five confirmation soil samples for field screening and laboratory analysis from the walls of the two excavations. The final excavation measured approximately 45 feet by 44 feet by 10 feet deep. The excavation was backfilled with clean, imported material. Petroleum impacted soil was removed and transported for proper disposal. Soil sample locations and final excavation extents are included on Figure 3. A photograph log is attached.

2.0 Soil and Water Sampling

On July 7, 2014, four soil samples (S-1 through S-4) were collected from the walls of the excavation, and one grab water sample (WS-1) was collected from groundwater in the immediate vicinity of the release location. All soil samples were field screened for VOCs and analyzed for TPH and submitted for confirmation laboratory analysis. Based on field sampling and laboratory results, additional hydrocarbon impacted soil was removed from the north and west walls of the excavation. AES also collected one composite soil sample (SC-1) from the temporarily stockpiled soils adjacent to the excavation.

Dianna Lee AXI H9 Lateral Pipeline Release Final Excavation Report June 24, 2015 Page 3 of 6

2.1 Field Sampling

2.1.1 Volatile Organic Compounds

Field screening for VOC vapors was conducted with a photo-ionization detector (PID) organic vapor meter (OVM). Before beginning field screening, the PID-OVM was first calibrated with 100 ppm isobutylene gas.

2.1.2 Total Petroleum Hydrocarbons

Soil samples were also analyzed in the field for TPH per U.S. Environmental Protection Agency (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.

2.2 Laboratory Analyses

The samples collected for laboratory analysis (S-1 through S-4 and WS-1) were placed into new, clean, laboratory-supplied containers, which were then labeled, placed on ice, and logged onto a sample chain of custody record. The samples were maintained on ice until delivery to the analytical laboratory, Hall Environmental Analysis Laboratory (Hall), in Albuquerque, New Mexico. The samples were laboratory analyzed for:

- BTEX per USEPA Method 8021B.
- TPH as GRO and DRO per USEPA method 8015D.

2.3 Field and Laboratory Analytical Results

Soil field screening results showed that VOC concentrations via OVM ranged from 0.6 ppm in S-5 up to 3.9 ppm in SC-2. TPH concentrations ranged from 31.1 mg/kg in SC-2 up to 35.2 in SC-1. Results are included below in Table 1 and on Figure 3. The AES Field Sampling Report is attached.

Sample ID	Date Sampled	Sample Depth (ft bgs)	VOCs via OVM (ppm)	Field TPH (mg/kg)
JAN	OGA Action L	evel*	100	100
SC-1	7/7/14	1 to 10	1.8	35.2
SC-2	7/7/14	1 to 10	3.9	31.1
SC-3	7/7/14	1 to 10	1.3	33.9
SC-4	7/7/14	1 to 10	0.7	33.9

	Table 1.	Soil Field	Sampling	VOC	and TPH Re	sults
ı	HQ Well T	ie Pinelin	e Release	Final	Excavation	July 20

Dianna Lee AXI H9 Lateral Pipeline Release Final Excavation Report June 24, 2015 Page 4 of 6

Sample ID	Date Sampled	Sample Depth (ft bgs)	VOCs via OVM (ppm)	Field TPH (mg/kg)
JAN	OGA Action L	evel*	100	100
SC-5	7/7/14	1 to 6	0.6	NA

*Action level determined by JANOGA (Ref. NMOCD ranking score of 20 per NMOCD Guidelines for Remediation of Leaks, Spills, and Releases (August 1993). NA = not analyzed

Laboratory analytical results for the soil samples showed benzene concentrations were all below the laboratory detection limits, and total BTEX concentrations were below laboratory detection limits for all samples except S-4 which was reported at 0.27 mg/kg. TPH concentrations as GRO/DRO were below the laboratory detection limits in all samples. Laboratory analytical results are included in Table 2 and on Figure 3.

Sample ID	Date Sampled	Depth (ft)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH – GRO (mg/kg)	TPH – DRO (mg/kg)
JANOG	A Action Level	*	10	50	10	00
SC-1	7/7/14	1 to 10	<0.030	<0.151	<3.0	<9.9
SC-2	7/7/14	1 to 10	< 0.034	<0.171	<3.4	<10
SC-3	7/7/14	1 to 10	< 0.035	<0.174	<3.5	<10
SC-4	7/7/14	1 to 10	< 0.034	0.27	<3.4	<10

Table 2. Soil Laboratory Analytical Results – Benzene, Total BTEX, and TPH AXI H9 Lateral Pipeline Release Final Excavation, July 2014

*Action level determined by JANOGA (Ref. NMOCD ranking score of 20 per NMOCD Guidelines for Remediation of Leaks, Spills, and Releases (August 1993)).

Laboratory analytical results for the water sample (WS-1) reported dissolved phase concentrations of benzene, toluene, ethylbenzene, and xylenes below the laboratory detection limits. Results are presented below in Table 3 and on Figure 2. The laboratory analytical report is attached.

Sample ID	Date Sampled	Benzene (µg/L)	Toluene (μg/L)	Ethyl- Benzene (μg/L)	Xylenes (μg/L)	TPH – GRO (mg/L)	TPH – DRO (mg/L
WQCC Sta	ndards	10	750	750	620	10	00
WS-1	7/7/14	<1.0	<1.0	<1.0	<2.0	< 0.050	<1.0

Table 3. Water Laboratory Analytical Results – Benzene, Total BTEX, and TPH AXI H9 Lateral Pipeline Release Final Excavation, July 2014

3.0 Conclusions and Recommendations

On July 7, 2014, AES completed final clearance of the excavation area associated with petroleum contaminated soils at the Beeline AXI H9 Lateral pipeline release location. Action levels for releases are determined by JANOGA and currently reflect a site ranking of 20 per NMOCD *Guideline for Remediation of Leaks, Spills and Releases* (August 1993).

Field sampling results of the excavation extents showed that VOC and TPH concentrations were below applicable NMOCD action levels for the final walls of the excavation. Soil laboratory analyses for S-1 through S-4 showed benzene and total BTEX concentrations below the JANOGA action levels of 10 mg/kg and 50 mg/kg, respectively, with the highest total BTEX concentration noted in S-4 with 0.27 mg/kg. TPH (GRO/DRO) concentrations were below the JANOGA action level of 100 mg/kg in all soil samples. Water sample (WS-1) was also collected the same day from the groundwater within the excavation limits in the immediate vicinity of the release location. Laboratory analytical results showed dissolved phase benzene and BTEX concentrations were also below the applicable WQCC standards of 10 μ g/L and 50 μ g/L, respectively, in WS-1.

Based on the final field sampling and laboratory analytical results of the excavation extents of petroleum hydrocarbon impacted soils at the AXI H9 Lateral Pipeline release location, VOCs, benzene, total BTEX, and TPH concentrations were below applicable JANOGA (NMOCD) action levels. No further action is recommended.

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

Sincerely,

Sinh Sh L

Emilee Skyles Geologist

Ulipobith V Maridy

Elizabeth McNally, P.E.

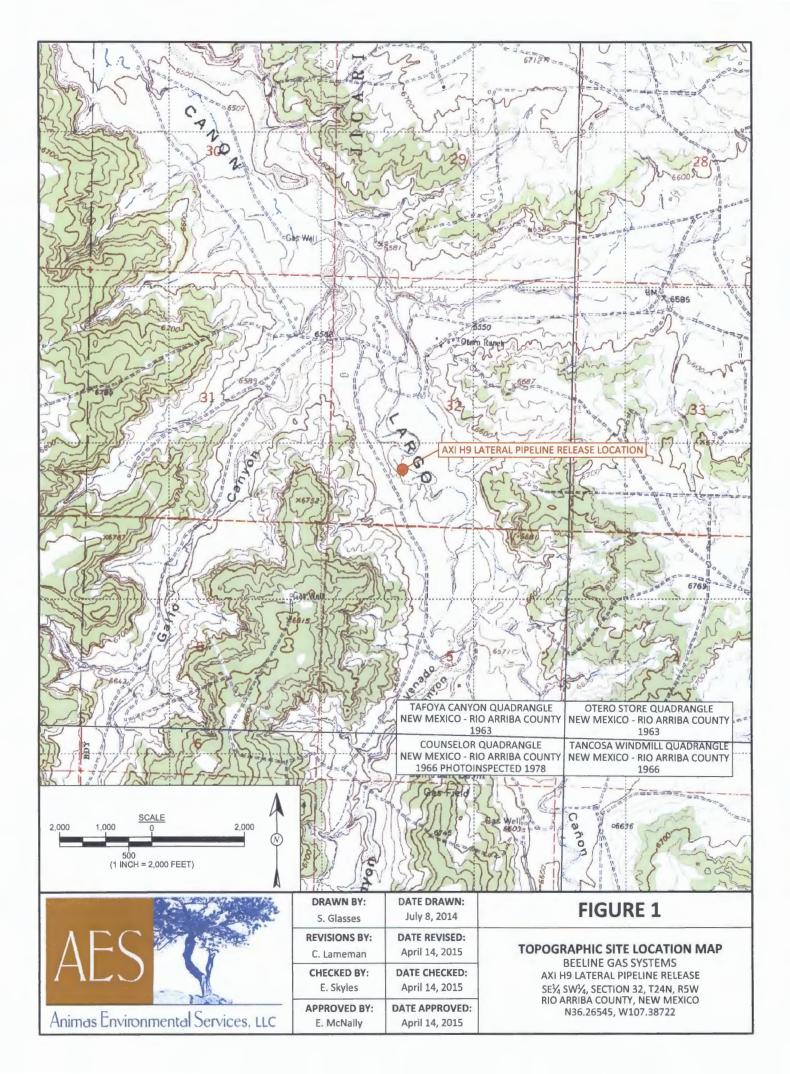
Attachments:

Figure 1. Topographic Site Location Map Figure 2. Aerial Site Map Figure 3. Final Excavation Sample Locations and Results, July 2014

Dianna Lee AXI H9 Lateral Pipeline Release Final Excavation Report June 24, 2015 Page 6 of 6

Photograph Log AES Field Sampling Report 070714 Hall Laboratory Analytical Report 1407303

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AERIAL SITE MAP BEELINE GAS SYSTEMS AXI H9 LATERAL PIPELINE RELEASE SE¼ SW¼, SECTION 32, T24N, R5W RIO ARRIBA COUNTY, NEW MEXICO N36.26545, W107.38722

Animas Environmental Services, LLC

DATE DRAWN: July 8, 2014	
DATE REVISED: April 14, 2015	
DATE CHECKED: April 14, 2015	
DATE APPROVED: April 14, 2015	
	July 8, 2014 DATE REVISED: April 14, 2015 DATE CHECKED: April 14, 2015 DATE APPROVED:

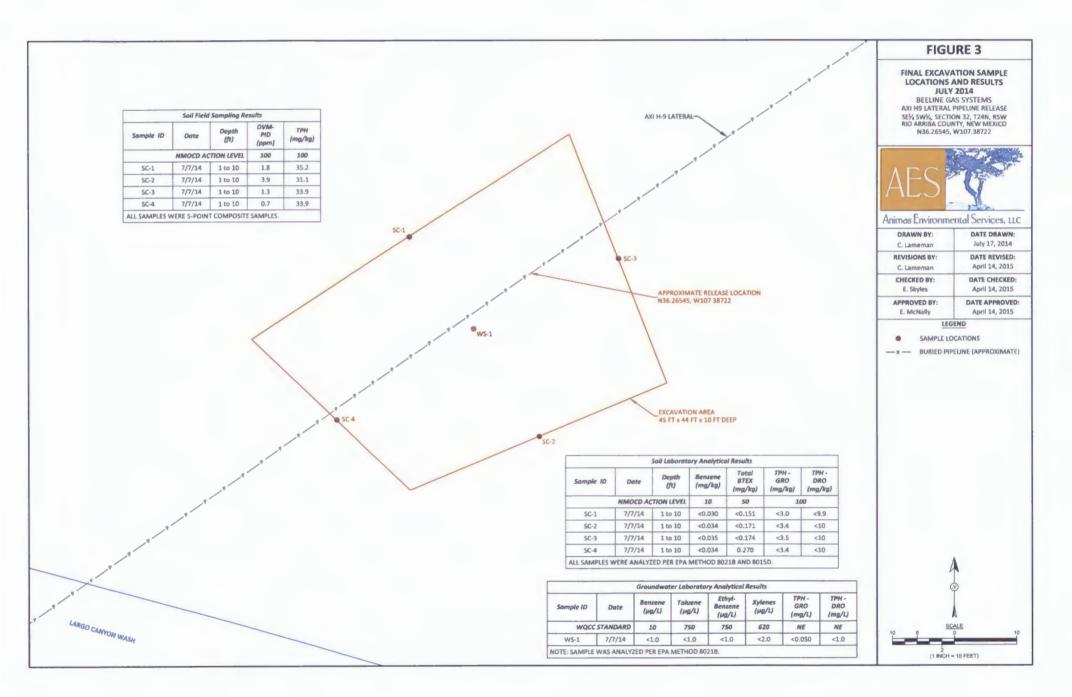


Photo #1	south
Client: Beeline Gas Systems	The second se
Project Name: AXI H9 Lateral Pipeline Release	
Rio Arriba County, NM	
Date Photo Taken: July 7, 2014	
Release GPS and Location: 36.26545, -107.38722	
SE¼ SW¼, Section 32, T24N, R5W	
Taken by: Stephanie Hinds, AES	Subject: Excavation Clearance, July 2014 Excavation Dimensions: 45 ft x 44 ft x 10 ft deep
Stephanie milus, AES	Description: Facing NW, exposed pipeline and groundwater.

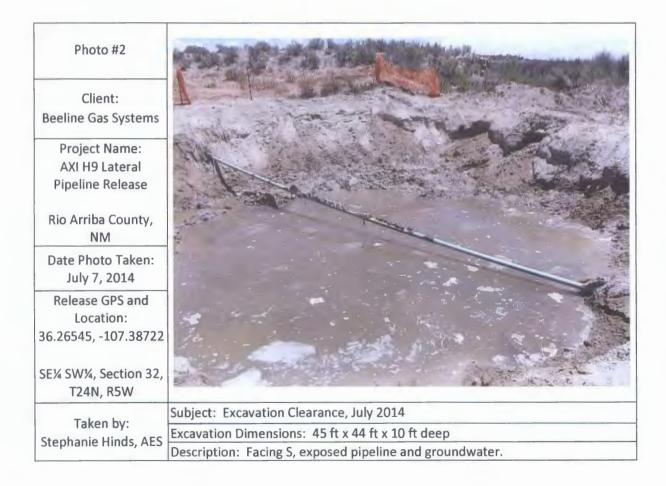


Photo #3	
Client: Beeline Gas Systems	
Project Name: AXI H9 Lateral Pipeline Release	
Rio Arriba County, NM	
Date Photo Taken: July 7, 2014	
Release GPS and Location: 36.26545, -107.38722	
SE¼ SW¼, Section 32, T24N, R5W	and the second
Taken by: Stephanie Hinds, AES	Subject: Excavation Clearance, July 2014 Excavation Dimensions: 45 ft x 44 ft x 10 ft deep Description: Stockpile of visibly stained soils removed from release area.

AES Field Sampling Report

Animas Environmental Services, LLC



Client: Beeline

Project Location: AXI H9 Lateral Pipeline Release

Date: 7/7/2014

Matrix: Soil

Sample ID	Collection Date	Collection Time	Sample Location	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SC-1	7/7/2014	11:40	North Wall	1.8	13:05	35.2	20.0	1	SAH
SC-2	7/7/2014	11:45	South Wall	3.9	13:08	31.1	20.0	1	SAH
SC-3	7/7/2014	11:50	East Wall	1.3	13:11	33.9	20.0	1	SAH
SC-4	7/7/2014	11:55	West Wall	0.7	13:13	33.9	20.0	1	SAH

DF Dilution Factor

NA Not Analyzed

PQL Practical Quantitation Limit

*TPH concentrations recorded may be below PQL.

Total Petroleum Hydrocarbons - USEPA 418.1

Attephanice A. Hinds Analyst:



July 10, 2014

Kelsey Christiansen Animas Environmental Services 624 East Comanche Farmington, NM 87401 TEL: (505) 564-2281 FAX (505) 324-2022

RE: Beeline AXI H9 Lateral

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

OrderNo.: 1407303

Dear Kelsey Christiansen:

Hall Environmental Analysis Laboratory received 5 sample(s) on 7/8/2014 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,

and

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 1407303 Date Reported: 7/10/2014

Hall Environmental Analysis Laboratory, Inc.

 CLIENT: Animas Environmental Services
 Client Sample ID: SC-1

 Project: Beeline AXI H9 Lateral
 Collection Date: 7/7/2014 11:40:00 AM

 Lab ID: 1407303-001
 Matrix: SOIL
 Received Date: 7/8/2014 7:55:00 AM

 Analyses
 Result
 RL Qual Units
 DF Date Analyzed
 Batch

EPA METHOD 8015D: DIESEL RANGE ORG	ANICS				Analyst:	BCN
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	7/8/2014 10:15:28 AM	14101
Surr: DNOP	89.0	57.9-140	%REC	1	7/8/2014 10:15:28 AM	14101
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	NSB
Gasoline Range Organics (GRO)	ND	3.0	mg/Kg	1	7/8/2014 10:54:05 AM	R19741
Surr: BFB	90.0	80-120	%REC	1	7/8/2014 10:54:05 AM	R19741
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.030	mg/Kg	1	7/8/2014 10:54:05 AM	R19741
Toluene	ND	0.030	mg/Kg	1	7/8/2014 10:54:05 AM	R19741
Ethylbenzene	ND	0.030	mg/Kg	1	7/8/2014 10:54:05 AM	R19741
Xylenes, Total	ND	0.061	mg/Kg	1	7/8/2014 10:54:05 AM	R19741
Surr: 4-Bromofluorobenzene	97.8	80-120	%REC	1	7/8/2014 10:54:05 AM	R19741

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Meth	od Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysis exceeded	
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 1 of 11
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2.	1 age 1 01 11
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

Analytical Report Lab Order 1407303 Date Reported: 7/10/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Project: Beeline AXI H9 Lateral Matrix: SOIL

1407303-002

Lab ID:

Client Sample ID: SC-2 Collection Date: 7/7/2014 11:45:00 AM Received Date: 7/8/2014 7:55:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE	ORGANICS				Analyst	BCN
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	7/8/2014 11:20:56 AM	14101
Surr: DNOP	89.7	57.9-140	%REC	1	7/8/2014 11:20:56 AM	14101
EPA METHOD 8015D: GASOLINE RAI	NGE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	3.4	mg/Kg	1	7/8/2014 11:22:47 AM	R19741
Surr: BFB	90.8	80-120	%REC	1	7/8/2014 11:22:47 AM	R19741
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.034	mg/Kg	1	7/8/2014 11:22:47 AM	R19741
Toluene	ND	0.034	mg/Kg	1	7/8/2014 11:22:47 AM	R19741
Ethylbenzene	ND	0.034	mg/Kg	1	7/8/2014 11:22:47 AM	R19741
Xylenes, Total	ND	0.069	mg/Kg	1	7/8/2014 11:22:47 AM	R19741
Surr: 4-Bromofluorobenzene	98.7	80-120	%REC	1	7/8/2014 11:22:47 AM	R19741

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Meth	nod Blank	
1	Е	Value above quantitation range	H Holding times for preparation or analysis exce		is exceeded	
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 2 of 11	
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2.		
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit		
	S	Spike Recovery outside accepted recovery limits				

Analytical Report Lab Order 1407303

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1407303 Date Reported: 7/10/2014

CLIENT: Animas Environmental Services Project: Beeline AXI H9 Lateral Lab ID: 1407303-003

Client Sample ID: SC-3 Collection Date: 7/7/2014 11:50:00 AM Received Date: 7/8/2014 7:55:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS				Analyst	BCN
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	7/8/2014 11:42:52 AM	14101
Surr: DNOP	92.0	57.9-140	%REC	1	7/8/2014 11:42:52 AM	14101
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	3.5	mg/Kg	1	7/8/2014 11:51:25 AM	R19741
Surr: BFB	89.7	80-120	%REC	1	7/8/2014 11:51:25 AM	R1974
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.035	mg/Kg	1	7/8/2014 11:51:25 AM	R19741
Toluene	ND	0.035	mg/Kg	1	7/8/2014 11:51:25 AM	R19741
Ethylbenzene	ND	0.035	mg/Kg	1	7/8/2014 11:51:25 AM	R19741
Xylenes, Total	ND	0.069	mg/Kg	1	7/8/2014 11:51:25 AM	R1974
Surr: 4-Bromofluorobenzene	97.4	80-120	%REC	1	7/8/2014 11:51:25 AM	R1974

Matrix: SOIL

E Va		Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank		
		Value above quantitation range	H Holding times for preparation or analysis e		exceeded	
		Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 3 of 11	
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2.	1 age 5 01 11	
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit		
	S	Spike Recovery outside accepted recovery limits				

Analytical Report Lab Order 1407303 Date Reported: 7/10/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services Project: Beeline AXI H9 Lateral 1407303-004

Lab ID:

Client Sample ID: SC-4 Collection Date: 7/7/2014 11:55:00 AM Received Date: 7/8/2014 7:55:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS				Analyst	BCN
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	7/8/2014 12:04:50 PM	14101
Surr: DNOP	89.9	57.9-140	%REC	1	7/8/2014 12:04:50 PM	14101
EPA METHOD 8015D: GASOLINE RA	ANGE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	3.4	mg/Kg	1	7/8/2014 12:20:03 PM	R19741
Surr: BFB	95.3	80-120	%REC	1	7/8/2014 12:20:03 PM	R19741
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.034	mg/Kg	1	7/8/2014 12:20:03 PM	R19741
Toluene	0.070	0.034	mg/Kg	1	7/8/2014 12:20:03 PM	R19741
Ethylbenzene	ND	0.034	mg/Kg	1	7/8/2014 12:20:03 PM	R19741
Xylenes, Total	0.20	0.067	mg/Kg	1	7/8/2014 12:20:03 PM	R19741
Surr: 4-Bromofluorobenzene	97.8	80-120	%REC	1	7/8/2014 12:20:03 PM	R19741

Matrix: SOIL

Qualifiers:		Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank		
		Value above quantitation range	H Holding times for preparation or analysis exc		is exceeded	
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 4 of 11	
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2		
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit		
	S	Spike Recovery outside accepted recovery limits				

Analytical Report Lab Order 1407303

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1407303 Date Reported: 7/10/2014

CLIENT:	Animas	Environmental	Services
Project:	Beeline	AXI H9 Latera	al

1407303-005

Lab ID:

Client Sample ID: WS-1 Collection Date: 7/7/2014 1:45:00 PM Received Date: 7/8/2014 7:55:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGI	E				Analyst	BCN
Diesel Range Organics (DRO)	ND	1.0	mg/L	1	7/8/2014 12:06:00 PM	14102
Surr: DNOP	92.6	62.7-145	%REC	1	7/8/2014 12:06:00 PM	14102
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	0.050	mg/L	1	7/8/2014 10:29:51 AM	R19740
Surr: BFB	98.3	70.9-130	%REC	1	7/8/2014 10:29:51 AM	R19740
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	1.0	µg/L	1	7/8/2014 10:29:51 AM	R19740
Toluene	ND	1.0	µg/L	1	7/8/2014 10:29:51 AM	R19740
Ethylbenzene	ND	1.0	µg/L	1	7/8/2014 10:29:51 AM	R19740
Xylenes, Total	ND	2.0	µg/L	1	7/8/2014 10:29:51 AM	R19740
Surr: 4-Bromofluorobenzene	112	82.9-139	%REC	1	7/8/2014 10:29:51 AM	R19740

Matrix: AQUEOUS

			and the second se		
Qualifiers:	÷	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Meth	od Biank
	Е	Value above quantitation range	Н	Holding times for preparation or analys	is exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 5 of 11
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2.	Tuge 5 01 11
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

4.3

5.000

Client: Project:		nvironmer XI H9 Lat		vices							
Sample ID	LCS-14101	SampT	vne: LC	s	Tes	tCode: El	PA Method	8015D: Diese	el Range (Organics	
Client ID:			ID: 14			RunNo: 1			or runge	Junios	
Prep Date:	7/8/2014	Analysis D	ate: 7/	8/2014	S	SeqNo: 5	73226	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range O	rganics (DRO)	48	10	50.00	0	96.8	68.6	130			
Surr: DNOP		4.0		5.000		80.6	57.9	140			
Sample ID	MB-14101	SampT	ype: ME	BLK	Tes	tCode: E	PA Method	8015D: Dies	el Range (Organics	
Client ID:	PBS	Batch	ID: 14	101	F	RunNo: 1	9731				
Prep Date:	7/8/2014	Analysis D	ate: 7/	8/2014	S	SeqNo: 5	73302	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range O	rganics (DRO)	ND	10								
Sur: DNOP		8.3		10.00		83.2	57.9	140			
Sample ID	1407303-001AMS	SampT	ype: MS	S	Tes	tCode: E	PA Method	8015D: Dies	el Range (Organics	
Client ID:	SC-1	Batch	ID: 14	101	F	RunNo: 1	9731				
Prep Date:	7/8/2014	Analysis D	ate: 7/	/8/2014	S	SeqNo: 5	73308	Units: mg/M	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range O	rganics (DRO)	49	10	50.10	0	97.0	40.1	152			
Surr: DNOP		4.3		5.010		85.8	57.9	140			
Sample ID	1407303-001AMS) SampT	ype: MS	SD	Tes	tCode: E	PA Method	8015D: Dies	el Range (Organics	
Client ID:	SC-1	Batch	ID: 14	101	F	RunNo: 1	9731				
Prep Date:	7/8/2014	Analysis D	ate: 7	/8/2014	5	SeqNo: 5	73309	Units: mg/P	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range O	Organics (DRO)	46	10	50.00	0	91.4	40.1	152	6.16	32.1	

Qualifiers:

Surr: DNOP

- + Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- Analyte detected below quantitation limits j
- RSD is greater than RSDlimit 0
- RPD outside accepted recovery limits R
- Spike Recovery outside accepted recovery limits S
- Analyte detected in the associated Method Blank B
- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit

85.9

57.9

140

0

0

- P Sample pH greater than 2
- RL Reporting Detection Limit

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WO#: 1407303

10-Jul-14

Animas Environmental Services

0.42

0.5000

Beeline AXI H9 Lateral

Sample ID MB-14102	SampType: MBLK	TestCode: EPA Method	8015D: Diesel Range		
Client ID: PBW	Batch ID: 14102	RunNo: 19730			
Prep Date: 7/8/2014	Analysis Date: 7/8/2014	SeqNo: 573299	Units: mg/L		
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual	
Diesel Range Organics (DRO)	ND 1.0				
Surr: DNOP	1.1 1.000	106 62.7	145		
Sample ID LCS-14102	SampType: LCS	TestCode: EPA Method	8015D: Diesel Range		
Client ID: LCSW	Batch ID: 14102	RunNo: 19730			
Prep Date: 7/8/2014	Analysis Date: 7/8/2014	SeqNo: 573300	Units: mg/L		
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual	
Diesel Range Organics (DRO)	6.0 1.0 5.000	0 120 78.6	146		
Sur: DNOP	0.45 0.5000	89.9 62.7	145		
Sample ID LCSD-14102	SampType: LCSD	TestCode: EPA Method	8015D: Diesel Range		
Client ID: LCSS02	Batch ID: 14102	RunNo: 19730			
Prep Date: 7/8/2014	Analysis Date: 7/8/2014	SeqNo: 573301	Units: mg/L		
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual	
Diesel Range Organics (DRO)	5.5 1.0 5.000	0 110 78.6	146 8.76	26.5	

83.9

62.7

145

0

Qualifiers:

Surr: DNOP

Client:

Project:

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

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0

10-Jul-14

WO#: 1407303

WO#:	1407303

10-Jul-14

Client: Project:		NVIRONMENT		vices							
Sample ID	5ML RB	SampTy	pe: ME	BLK	Tes	tCode: E	PA Method	8015D: Gaso	oline Rang	0	
Client ID:	PBS	Batch	ID: R1	9741	F	RunNo: 1	9741				
Prep Date:		Analysis Da	ite: 7/	8/2014	S	SeqNo: 5	73750	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang Surr: BFB	e Organics (GRO)	ND 910	5.0	1000		90.5	80	120			
Sample ID	2.5UG GRO LCS	SampTy	pe: LC	S	Tes	tCode: E	PA Method	8015D: Gaso	oline Rang	0	
Client ID:	LCSS	Batch	ID: R1	9741	F	RunNo: 1	9741				
Prep Date:		Analysis Da	ite: 7/	8/2014	S	SeqNo: 5	573751	Units: mg/h	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	19	5.0	25.00	0	75.0	71.7	134			
Sun: BFB		950		1000		95.0	80	120			
Sample ID	1407303-001AMS	SampTy	pe: MS	3	Tes	tCode: E	PA Method	8015D: Gase	oline Rang	9	
Client ID:	SC-1	Batch	ID: R1	9741	F	RunNo: 1	19741				
Prep Date:		Analysis Da	ite: 7/	8/2014	5	SeqNo: 5	573753	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	20	3.0	15.13	0	135	71.8	132			S
Surr: BFB		620		605.3		102	80	120			
Sample ID	1407303-001AMSI	D SampTy	pe: MS	SD	Tes	tCode: E	PA Method	8015D: Gase	oline Rang	10	
Client ID:	SC-1	Batch	ID: R1	9741	F	RunNo: 1	19741				
Prep Date:		Analysis Da	ate: 7/	8/2014	5	SeqNo: 5	573754	Units: mg/k	٨g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	17	3.0	15.13	0	113	71.8	132	18.0	20	
Surr: BFB		610		605.3		101	80	120	0	0	

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.
- RL Reporting Detection Limit

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WO#: 1407303

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	Environme AXI H9 La		rvices							
Sample ID 5ML RB	SampT	ype: M	BLK	Tes	Code:	EPA Method	8015D: Gaso	line Rang	0	
Client ID: PBW	Batcl	h ID: R1	19740	F	unNo:	19740				
Prep Date:	Analysis D	Date: 7	/8/2014	S	eqNo:	573773	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	0.050								
Surr: BFB	18		20.00		90.6	70.9	130			
Sample ID 2.5UG GRO LCS	SampT	ype: LC	S	Tes	Code:	EPA Method	8015D: Gaso	line Rang	0	
Client ID: LCSW	Batch	n ID: R1	19740	F	unNo:	19740				
Prep Date:	Analysis D	Date: 7	/8/2014	S	eqNo:	573774	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.50	0.050	0.5000	0	99.7	80	120			
Surr: BFB	22		20.00		110	70.9	130			

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.
- RL Reporting Detection Limit

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Animas Environmental Services

Project: Beelin	ne AXI H9 Lat	teral								
Sample ID 5ML RB	SampT	уре: МЕ	3LK	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: PBS	Batch	h ID: R1	9741	F	RunNo: 1	9741				
Prep Date:	Analysis D)ate: 7/	8/2014	5	SeqNo: 5	73761	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	0.95		1.000		94.8	80	120			
Sample ID 100NG BTEX	LCS SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: LCSS	Batch	h ID: R1	9741	F	RunNo: 1	9741				
Prep Date:	Analysis D	ate: 7/	/8/2014	ę	SeqNo: 5	73762	Units: mg/K	(g		

Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
0.95	0.050	1.000	0	94.9	80	120			
0.93	0.050	1.000	0	92.8	80	120			
0.93	0.050	1.000	0	93.1	80	120			
2.8	0.10	3.000	0	94.2	80	120			
1.0		1.000		104	80	120			
	0.95 0.93 0.93 2.8	0.950.0500.930.0500.930.0502.80.10	0.95 0.050 1.000 0.93 0.050 1.000 0.93 0.050 1.000 2.8 0.10 3.000	0.95 0.050 1.000 0 0.93 0.050 1.000 0 0.93 0.050 1.000 0 2.8 0.10 3.000 0	0.95 0.050 1.000 0 94.9 0.93 0.050 1.000 0 92.8 0.93 0.050 1.000 0 93.1 2.8 0.10 3.000 0 94.2	0.95 0.050 1.000 0 94.9 80 0.93 0.050 1.000 0 92.8 80 0.93 0.050 1.000 0 93.1 80 2.8 0.10 3.000 0 94.2 80	0.95 0.050 1.000 0 94.9 80 120 0.93 0.050 1.000 0 92.8 80 120 0.93 0.050 1.000 0 93.1 80 120 2.8 0.10 3.000 0 94.2 80 120	0.95 0.050 1.000 0 94.9 80 120 0.93 0.050 1.000 0 92.8 80 120 0.93 0.050 1.000 0 93.1 80 120 2.8 0.10 3.000 0 94.2 80 120	0.95 0.050 1.000 0 94.9 80 120 0.93 0.050 1.000 0 92.8 80 120 0.93 0.050 1.000 0 93.1 80 120 2.8 0.10 3.000 0 94.2 80 120

Qualifiers:

Client:

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

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WO#: 1407303

10-Jul-14

QC SUMMARY REPORT

Hall Environmental Analysi	s Laboratory, Inc.
----------------------------	--------------------

Client: Project:		Environmen XI H9 Lat		vices							
Sample ID 5ML R	в	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBW		Batch	ID: R1	9740	F	RunNo: 1	9740				
Prep Date:		Analysis D	ate: 7/	8/2014	S	SeqNo: 5	73788	Units: µg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	1.0								
Toluene		ND	1.0								
Ethylbenzene		ND	1.0								
Xylenes, Total		ND	2.0								
Surr: 4-Bromofluorobe	enzene	21		20.00		103	82.9	139			
Sample ID 100NG	BTEX LCS	SampT	ype: LC	s	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSW		Batch	ID: R1	9740	F	RunNo: 1	9740				
Prep Date:		Analysis D	ate: 7/	8/2014	5	SeqNo: 5	73789	Units: µg/L			

riop bate.	r andryoto L		0.2011		oq. tor o					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	97.9	80	120		1.00	
Toluene	20	1.0	20.00	0	98.0	80	120			
Ethylbenzene	20	1.0	20.00	0	97.5	80	120			
Xylenes, Total	62	2.0	60.00	0	103	80	120			
Surr: 4-Bromofluorobenzene	24		20.00		118	82.9	139			

Qualifiers:

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

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WO#: 1407303

10-Jul-14

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental Albi TEL: 505-345-3975 Website: www.ha	4901 uquerqu FAX: 5	Hawkins NL e, NM 87109 05-345-4107	Sam	ple Log-In Check	List
Client Name: Animas Environmental	Work Order Number	14073	303		RcptNo: 1	
Received by/date:						
Logged By: Anne Thome	7/8/2014 7:55:00 AM			am H-	-	
Completed By: Anne Thorne	7/8/2014			am Il-	_	
Reviewed By: MG	07/08/14					
Chain of Custody						
1. Custody seals intact on sample bottles?		Yes		No 🗌	Not Present	
2. Is Chain of Custody complete?		Yes	\checkmark	No 🗌	Not Present	
3. How was the sample delivered?		Cour	ier			
Log In						
4. Was an attempt made to cool the samples	?	Yes		No 🗌		
5. Were all samples received at a temperature	e of >0° C to 6.0°C	Yes		No 🗌		
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) prope	rly preserved?	Yes		No 🗌		
9. Was preservative added to bottles?		Yes		No 🗹	NA 🗌	
10. VOA vials have zero headspace?		Yes	\checkmark	No 🗆	No VOA Vials	
11. Were any sample containers received brok	ken?	Yes		No 🗹	di al anno and	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes		No 🗌	# of preserved bottles checked for pH: (<2 or >12 u	nless noted)
13. Are matrices correctly identified on Chain of	f 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: By Whom: Regarding: Client Instructions:	Date Via:	eMa	ail 🗌 Pho	one 🗌 Fax	_ In Person	
17. Additional remarks:		- 14				
18. <u>Cooler Information</u> Cooler No Temp °C Condition 5		Seal Da	ate S	igned By	ł	
1 2.9 Good Ye	95 ,]	
Page 1 of 1						

С	Chain-of-Custody Record		Turn-Around	Time:		1									0					
			mental Services	□ Standard	🕅 Rush	same day												1EN RA		
	A C [MALLA]	ENVIYON	Mental Services	Project Name			1 •					v.hal								
Mailing	Address:	1.24	2. Comanahe	Beelme	AXI H	9 Lateral		4901 Hawkins NE - Albuquerque, NM 87109												
				Project #:			Tel. 505-345-3975 Fax 505-345-4107													
Phone t			NM 87401						я. оо	004	0 0.	-	-	ysis			100			
email or		12 (5	1- 6681	Project Mana	ger:			(y)	Â					(*)						
QA/QC F	ackage:		Level 4 (Full Validation)	K. Che	istiansen		+ TMB's (8021)	(Gas or	s (GRO)(DRO)-MAD)			SIMS)		PO4,SC	PCB's					
		Other	r	Sampler: S		D NO		HdT +	ROCE	118.1)	(Method 504.1)	8270	10	03,NO2	s / 8082		(A)			or N)
	(Type)			Sample Tem	perature	2-1	年	TBE	9	od 4	pol	0 0	etal	CI'N	cide	(A)	I-VO			2
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO.	BTEX + M	BTEX + MTBE	TPH 8015B	TPH (Method 418.1)	EDB (Meth	PAH's (8310 or	RCRA 8 Metals	Anions (F,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides / 8082	8260B (VOA)	8270 (Semi-VOA)			Air Bubbles (Y or N)
7-7-14	11:40	Soil	SC-1	MEDH KAT	Meon		X		X		_	_								
7-7-14	11:45	Sorl	SC-2	1		702	X		X											
7-7-14	11:50	Soil.	SC-3			-003	X		X											
7-7-14	11:55	50 []	SC-4			-204	×		×											
7-7-14		H20	WS-1	5-40ML 1-40m	nce cold	705	X		×											
											_								-	
Date: 77/14 Date:	Time: 1445 Time:	Relinquishe	have flynn	Received by:	lost a	Date Time 7/7/14 /14/9 Date Time		mark	s:	Car		3.	rest	tion	s.					
7/-1/-1	1710	Chai	nitted to Hall Environmental may be sub	1 (1	coredited laboratorie	Date Time 07/08/14 07.55 es. This serves as notice of thi	s possi	ibility.	Any su	ub-cont	racte	d data	will b	e clea	rly nota	atted of	n the ar	nalytical	report.	

District 1 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

Date: July 20, 2015

Phone: 505-330-2736

State of New Mexico Energy Minerals and Natural Resources

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

Release Notification and Corrective Action

OLL CONS. DIV DIST. 3

JUL 24 2015

Form C-141 Revised August 8, 2011

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

						OPERA	ГOR		🔲 Initia	l Report	🛛 Final Report
Name of Co Beeline Gas		m Ridge Exp	oloration	Co. LLC d.b.a.	(Contact: Pri	mary-Dianna L	ee 330-	-2736 Seco	ondary- Ala	an Lain 486-0260
Address: 20	01 E. Blar	nco Blvd. Bl	oomfield	, NM 87413		Telephone 1	No. 634-1144				
Facility Nat	ne: Marcu	s Compresso	or Station				e: Compressor	Station			
Surface Ow	ner: BLM			Mineral ()wner: I	BLM			API No.		
				LOCA	ATION	OF REI	LEASE				
Unit Letter A	Section 11	Township 23N	Range 7W	Feet from the 560°	1	South Line ORTH	Feet from the 496`		West Line EAST	RI	County O ARRIBA
L			<u> </u>	Latitude <u>3</u>	6°14.728	8Longitude	107°32.283	<u></u>	(
				NAT	URE	OF REL					
Type of Rele							Release: unknow			ecovered: 0	
Source of Re	lease: Buric	ed Pit				n/a	lour of Occurrenc	e	Date and 1 9/20/2011	our of disec 104 <u>6</u>)very
Was Immedi	ate Notice (Yes 🗌] No 🔲 Not R	equired	If YES, To Brandon P					
By Whom? C	Yory Smith				•	Date and E	lour 9/20/2011 14	.20			
Was a Water		_	V. N	1			lume Impacting t		ercourse.		
If a Watercou	irse was Im	pacted, Deser	ibe Fully.*	k							
corroded and appear to be Describe Are	liquids had the case how a Affected a	impacted the vever. Excava and Cleanup /	area. Orig tion and r Action Tak	ginally it was thou emoval of contan cen.*	ight that ninated se	when storage all along with	r way, it was disc tanks were being soil sampling we Soil samples wer	g movec ere conc	l that one of ducted.	them had le	aked. It did not
regulations al public health should their c or the environ	Il operators or the envir operations h nment. In a	are required to conment. The ave failed to a	o report ar acceptanc idequately OCD accep	nd/or file certain r ce of a C-141 repo investigate and r	elease no ort by the emediate	otifications an NMOCD m contaminati	knowledge and u nd perform correc arked as "Final R on that pose a thre e the operator of i	tive act eport" d eat to gi	ions for rele loes not relic round water,	ases which t eve the opera surface wat	may endanger ator of liability ter, human health
Signature: /	luan	liit.	Xé	/		Approved by	OIL CONS				
Printed Name	e: Dianna L	ee			1	vpproved by			·	\times	~U=
Title: Regula	tory Admin	istrator			A	Approval Dat	e: 4/12/14	5	Expiration E	Date:	
E-mail Addre	ess: Beeline	Regulatory(a)	elmridge.n	iet	(Conditions of	Approval:			A 1 1	

#N5K 1129 139798

Attached 📋

Distr. 1 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 **District III** 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

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

Revised October 10, 2003 Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Form C-141

Release Notification and Corrective Action

	OPERATOR	Initial Report 🗌 Final Report
Name of Company Elm Ridge Exploration Co.	., LLC d.b.a Beeline Gas Systems	Contact Cory Smith
Address 2001 E. Blanco. Blvd. Bloomfield, N	M 87413	Telephone No. (505)634-1144
Facility Name Marcus Compressor Station		Facility Type Natural Gas Compressor Station
Surface Owner Bureau of Land Management	Mineral Owner Federal	Lease No. NM NM-104544

Surface Owner Bureau of Land Management | Mineral Owner Federal

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	11	23N	7W	560'	North	496'	East	Rio Arriba

Latitude 36° 14.728' Longitude 107° 32.283'

NATURE OF RELEASE

Type of Release begins Produced Liquids	Volume of Release UNK	Volume Recovered 0
Source of Release UNK	Date and Hour of Occurrence N/A	Date and Hour of Discovery 9/20/11 1046
Was Immediate Notice Given?	If YES, To Whom?	
Yes 🛛 No 🗌 Not Required	Brandon Powell NMOCD	
By Whom? Cory Smith	Date and Hour 9/20/11, 1420	ercourse. 023031-123
Was a Watercourse Reached?	If YES, Volume Impacting the Wat	ercourse.
🗌 Yes 🛛 No	OIL CONS. DIV DIST. 3	1200 -1
If a Watercourse was Impacted, Describe Fully.*		0
	JUL 2 4 2015	A 252
Describe Cause of Problem and Remedial Action Taken.*		100 - 100 -

Beeline was in the process of putting into service two 400 bbl production tanks when what appeared to be contaminated soil was discovered. Beeline believes the contamination could be from production tanks from the previous operator. To reduce downtime the tanks will be brought on the current plan of action is to remove the two out of service 300 bbl tanks during the week of October 3, 2011 (weather permitting) and check for leaks underneath the tanks. Brandon Powell of the NMOCD has been asked to be notified before any excavation has commenced.

Describe Area Affected and Cleanup Action Taken.*

North East corner of site near/under produced liquids storage tanks estimated to be an area 65' x 25' with an unknown depth.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMQCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	OIL CO	NSERVATION	DIVISION	
Printed Name: Cory Smith	Approved by District Superv	visor:		
Title: Regulatory Compliance	Approval Date:	Expiration I	Date:	
E-mail Address: csmith@elmridge.net	Conditions of Approval:		Attached	
Date: October 5, 2011 Phone: (505) 634-1144				

* Attach Additional Sheets If Necessary

District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 State of New Mexico Energy Minerals and Natural Resources

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

Form C-138 Revised March 12, 2007

*Surface Waste Management Facility Operator and Generator shall maintain and make this documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

ι.	Generator Name and Address:	
	Elm Ridge Exploration Co, LLC d.b.a Beeline Gas Systems, 2001 E. Blanco Blvd., Bloomfield, NM 874 CONS. DIV DI	ST. 3

2. Originating Site: Marcus Compressor Station

JUL 24 2015

 Location of Material (Street Address, City, State or ULSTR): #116 CR 378 Lybrook, NM 87018 Unit A, Sect 11, T-23-N, R-7-W, Rio Arriba County, NM, N:36° 14.173', W: 107° 32.246'

4. Source and Description of Waste:

Contaminated soil was discovered during trenching operations. The source of the spill is an above grade storage tank that holds produced fluids generated from the station and pipeline.

Estimated Volume 150 yd³ / bbls Known Volume (to be entered by the operator at the end of the haul) yd³ / bbls 5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

I, <u>Cory Smith</u>, representative or authorized agent for <u>Elm Ridge Exploration Co, LLC</u> do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)

RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with nonexempt waste. Operator Use Only: Waste Acceptance Frequency I Monthly Weekly Per Load

RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)

□ MSDS Information □ RCRA Hazardous Waste Analysis □ Process Knowledge □ Other (Provide description in Box 4)

GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS

I, <u>Cory Smith</u>, representative for <u>Elm Ridge Exploration Co., LLC d.b.a Beeline Gas Systems</u> do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.

5. Transporter:

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #:]	Envirotech I	ic. Soil R	emediation Facility	Permit # NM-01-0011
-------------------------------	--------------	------------	---------------------	---------------------

Address of Facility: Hilltop, New Mexico

Method of Treatment and/or Disposal:

Evaporation	Injection Treating Plant	Landfarm Landfill Other
Waste Acceptance Status:	APPROVED	DENIED (Must Be Maintained As Permanent Record)
PRINT NAME:	TITLE:	DATE:
SIGNATURE:		TELEPHONE NO.: _505-632-0615

Surface Waste Management Facility Authorized Agent

Animas Environmental Services, LLC



June 16, 2015

Dianna Lee Beeline Gas Systems 2001 E. Blanco Blvd Bloomfield, New Mexico 87413

OIL CONS. DIV DIST. 3 JUL 24 2015

Via electronic mail with delivery confirmation receipt to: BeelineRegulatory@elmridge.net

RE: Release Assessment and Final Excavation Report Marcus Compressor Station Rio Arriba County, New Mexico

Dear Ms. Lee:

On January 7, February 16 and April 20, 2015, Animas Environmental Services, LLC (AES) completed initial release assessments and environmental clearance of the final excavation limits at the Beeline Gas Systems (Beeline) Marcus Compressor Station, located in Rio Arriba County, New Mexico. The historic release consisted of an unknown quantity of contaminants and was discovered during a facility reset at the location and subsequently reported to the New Mexico Oil Conservation Division (NMOCD) in 2011. The initial release assessments were completed by AES on January 7 and February 16, 2015, and the final excavation clearance was completed while AES was at the location on April 20, 2015.

1.0 Site Information

1.1 Location

Site Name – Marcus Compressor Station Location – NE¼ NE¼, Section 11, T23N, R7W, Rio Arriba County, New Mexico Release Location Latitude/Longitude – N36.24546 and W107.53805, respectively Land Jurisdiction – Bureau of Land Management (BLM) Figure 1. Topographic Site Location Map Figure 2. Aerial Site Map, January 2015

604 W. Piñon St Farmington, NM 87401 505-564-2281

> 1911 Main, Ste 280 Durango, CO 970-403-3084

www.animasenvironmental.com

1.2 NMOCD Ranking

In accordance with NMOCD release protocols, action levels were established per NMOCD *Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993) prior to site work. The release was given a ranking score of 0 based on the following factors:

- Depth to Groundwater: Based on elevation, topographic interpretation and visual reconnaissance, depth to groundwater is interpreted to be greater than 100 feet below ground surface (bgs). (0 points)
- Wellhead Protection Area: The release location is not within a wellhead protection area. (0 points)
- Distance to Surface Water Body: Approximately 1,800 feet east and southeast of the release location are two drainages that flow into Escrito Canyon and ultimately to Canyon Largo. (0 points)

The ranking score of 0 dictates that concentrations for impacted soils left in place must be below the NMOCD action levels of 100 parts per million (ppm) volatile organic compound (VOCs), 10 mg/kg benzene, 50 mg/kg total benzene, toluene, ethylbenzene, and xylenes (BTEX), and 5,000 mg/kg total petroleum hydrocarbons (TPH) as gasoline range organics (GRO), diesel range organics (DRO) and motor oil range organics (MRO).

1.3 Assessment

In September 2011, stained soils were found beneath two 300 barrel (bbls) production tanks during a facility reset and were believed to be a historic release. A C-141 form was filed with the NMOCD, and an area of approximately 65 feet x 25 feet to an unknown depth was estimated to be impacted. Per the C-141, two new 400 bbls production tanks were put into operation to reduce downtime, and the replaced tanks were to be inspected for leaks. Brandon Powell of NMOCD requested to be notified prior to any excavation activities. Since the original reporting of the potentially contaminated soils in 2011, the facility has undergone multiple resets. Based upon information obtained from Google Earth® historical imagery and from Beeline personnel, AES determined the configuration of the location at the time the historic release was discovered.

AES was initially contacted by Dianna Lee of Beeline on December 16, 2014, and on January 7, 2015, AES personnel conducted an initial release assessment and collected 17 soil samples from three soil borings. Soil borings were terminated between 6.5 and 9.75 feet on sandstone. One soil boring (SB-1) was placed directly beneath the previous location of the production tanks; a second boring was placed down gradient of the previous tank location (SB-2); and the third boring was placed slightly up gradient to confine the outer limits of contaminated soil (SB-3). Soil boring SB-3 had the highest level of contamination with VOCs ranging from 0.0 ppm up to 4,599 ppm and field TPH concentrations ranging from 1,290

mg/kg up to 23,800 mg/kg. The high network density of marked and unmarked underground pipelines in the vicinity of SB-3 restricted continued investigation towards the compressor house (to the west) and tank (to the south) due to safety concerns associated with the buried lines, while access issues prevented delineation outside the facility fence line. Based on field sampling results, AES recommended further assessment of the release area outside the compressor station lease boundaries onto BLM lands. Sample locations are shown on Figure 3.

Beeline received approval from BLM on February 11, 2015, to determine the extent of contamination outside the lease boundaries of the Marcus Compressor Station. On February 16, 2015, AES returned to the location to collect additional soil samples on BLM lands between the facility lease lines and the service road. The field sampling activities included collection of 13 confirmation soil samples from three soil borings. Two soil borings (SB-4 and SB-5) were installed on BLM lands, and one soil boring (SB-6) was installed inside the fence closer to the compressor house. Based on the field sampling results, AES recommended the excavation of an area entirely within the Marcus Compressor Station facility. Sample locations are also shown on Figure 3.

On April 20, 2015, AES returned to the location to collect confirmation soil samples of the excavation. Shari Ketchum of BLM and Dianna Lee of Beeline were on location to provide excavation oversight. During excavation activities, a backhoe and ripper attachment was used to break up the sandstone layer to determine the true vertical extent of contamination within the bedrock. The field sampling activities included collection of seven confirmation soil samples (SC-1 through SC-7) from the walls and base of the excavation. The area of the final excavation measured approximately 38 feet by 49 feet by 15 to 22 feet in depth and was terminated within the sandstone layer. The excavation was backfilled with clean, imported material. Petroleum impacted soil was transported to the Envirotech Landfarm for proper disposal. The Envirotech Bill of Lading (Waste Manifest #51500) is attached. Sample locations and final excavation extents are presented on Figure 4.

2.0 Soil Sampling

A total of 30 soil samples from 6 borings (SB-1 through SB-6) and 7 composite samples (SC-1 through SC-7) were collected during the assessments. All soil samples were field screened for volatile organic compounds (VOCs), and selected samples were also analyzed for total petroleum hydrocarbons (TPH). Two samples (SB-1 and SB-3) collected during the initial assessment and all composite samples (SC-1 through SC-7) collected during the excavation clearance were submitted for confirmation laboratory analysis.

2.1 Field Sampling

2.1.1 Volatile Organic Compounds

Field screening for VOC vapors was conducted 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

Field TPH samples were analyzed per U.S. Environmental Protection Agency (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.

2.2 Laboratory Analyses

The soil samples collected for laboratory analysis were placed into new, clean, laboratorysupplied containers, which were then labeled, placed on ice, and logged onto a sample chain of custody record. Samples were maintained on ice until delivery to the analytical laboratory, Hall Environmental Analysis Laboratory (Hall) in Albuquerque, New Mexico. All soil samples were laboratory analyzed for:

BTEX per USEPA Method 8021B.

In addition, soil samples SB-3 and SC-1 through SC-7 were laboratory analyzed for:

TPH as GRO, DRO, and MRO per USEPA Method 8015D.

2.3 Field and Laboratory Analytical Results

On January 7 and February 16, 2015, initial assessment field screening results for VOCs via OVM showed concentrations ranging from 0.0 ppm in SB-2 through SB-6 up to 4,599 ppm in SB-3. Field TPH concentrations ranged from less than 20.0 mg/kg in SB-4 through SB-6 up to 23,800 mg/kg in SB-3.

On April 20, 2015, final excavation field screening results for VOCs via OVM ranged from 0.0 ppm in SC-5 up to 1,572 ppm in SC-7. Field TPH concentrations ranged from less than 20.0 mg/kg in SC-2, SC-5, and SC-6 up to 2,530 mg/kg in SC-7. Results are included below in Table 1 and on Figures 3 and 4. The AES Field Sampling Reports are attached.

Sample ID	Date Sampled	Sample Depth (ft bgs)	VOCs via OVM (ppm)	TPH 418.1 (mg/kg
NMO	CD Action Level*		100	5,000
		0.5	22.0	NA
	_	2	27.2	NA
CD 1	1/7/15 -	4	38.4	23.3
SB-1	1///15 -	6.5	22.4	34.2
	-	8	27.8	NA
	_	9.75	3,303	186
		0.5	13.0	NA
	-	2	5.9	30.1
SB-2	1/7/15	4	0.0	27.4
		5.5	535	1,790
	_	6.5	542	604
		0.5	0.0	NA
	 1/7/15	2	0.8	1,290
		3	3,467	5,890
SB-3		5	4,599	14,100
	_	7	4,042	23,800
	-	8	3,998	17,700
		0.5	0.1	NA
CD 4	-	2	0.0	NA
SB-4	2/16/15 -	4	0.0	<20.0
	_	6	0.0	<20.0
		0.5	0.0	NA
CD F	2/16/15 -	2	0.0	NA
SB-5	2/10/15	4	0.0	NA
		5	0.0	<20.0
CD C	2/16/15	Surface	0.0	NA
SB-6	2/16/15 -	2	0.0	NA

Table 1. Field Sampling VOCs and TPH Results Marcus Compressor Station Initial Release Assessments and Final Excavation January, February and April 2015

Dianna Lee

Marcus Compressor Station Release Assessment and Final Excavation Report June 16, 2015

Page 6

Sample ID	Date Sampled	Sample Depth (ft bgs)	VOCs via OVM (ppm)	TPH 418.1 (mg/kg)
NMO	CD Action Level*		100	5,000
		4	0.0	<20.0
SB-6	2/16/15	6	0.1	NA
		8	0.0	<20.0
SC-1	4/20/15	1 to 15	0.2	154
SC-2	4/20/15	1 to 15	845	<20.0
SC-3	4/20/15	1 to 15	39.2	933
SC-4	4/20/15	1 to 15	0.1	49.7
SC-5	4/20/15	1 to 15	0.0	<20.0
SC-6	4/20/15	1 to 15	112	<20.0
SC-7	4/20/15	15 to 22	1,572	2,530
				1.00.000

NA - not analyzed

*Action level determined by the NMOCD ranking score per NMOCD Guidelines for Remediation of Leaks, Spills, and Releases (August 1993)

Laboratory analyses for SB-1, and SB-3 were used to confirm field sampling results of the initial release assessment. Benzene concentrations were reported below laboratory detection limits in SB-1 and at 1.2 mg/kg in SB-3. Total BTEX concentrations were reported as 0.53 mg/kg (SB-1) and 127 mg/kg (SB-3). TPH concentrations as GRO/DRO/MRO were reported in SB-3 at 14,600 mg/kg.

Laboratory analyses for SC-1 through SC-7 were used to confirm field sampling results from the final excavation. Benzene concentrations were reported below laboratory detection limits in all samples. Total BTEX concentrations ranged from below detection limits in SC-1 and SC-3 through SC-6 up to 5.11 mg/kg in SC-7. TPH concentrations as GRO/DRO/MRO ranged from below the laboratory detection limits in SC-1, SC-5 and SC-6 up to 1,870 mg/kg in SC-7. Results are presented in Table 2 and on Figure 4. The laboratory analytical reports are attached.

		Sample		Total			
Sample ID	Date Sampled	Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)
NMOCD Action Level*			10	50		5,000	
SB-1	1/7/15	9.75	<0.049	0.53	NA	NA	NA
SB-3	1/7/15	7	1.2	127	1,900	7,400	5,300
SC-1	4/20/15	1 to 15	<0.047	<0.236	<4.7	<9.9	<50
SC-2	4/20/15	1 to 15	<0.050	0.17	7.2	12	<49
SC-3	4/20/15	1 to 15	<0.048	<0.240	<4.8	160	1,200
SC-4	4/20/15	1 to 15	<0.047	<0.235	<4.7	<10	96
SC-5	4/20/15	1 to 15	<0.049	<0.244	<4.9	<9.9	<50
SC-6	4/20/15	1 to 15	<0.049	<0.245	<4.9	<9.8	<49
SC-7	4/20/15	15 to 22	<0.088	5.11	200	860	810

Table 2. Laboratory Analytical Results – Benzene, Total BTEX, and TPH Marcus Compressor Initial Release Assessments and Final Excavation

NA - not analyzed

*Action level determined by the NMOCD ranking score per NMOCD Guidelines for Remediation of Leaks, Spills, and Releases (August 1993)

3.0 Conclusions and Recommendations

On January 7 and February 16, 2015, AES conducted initial assessments of petroleum contaminated soils associated with a historic release at the Marcus Compressor Station. Action levels for releases are determined by the NMOCD ranking score per *NMOCD Guidelines for Remediation of Leaks, Spills, and Releases* (August 1993), and the site was assigned a rank of 0.

Initial assessment field sampling results above the NMOCD action level of 100 ppm VOCs and 5,000 mg/kg TPH were reported in SB-1, SB-2, and SB-3. The highest VOC and TPH concentrations were reported in SB-3 with 4,599 ppm and 23,800 mg/kg, respectively. Laboratory analyses for SB-1 and SB-3 were used to confirm field sampling results. Benzene and total BTEX concentrations were reported below the NMOCD action levels of 10 mg/kg and 50 mg/kg, respectively, in SB-1. Total BTEX concentrations in SB-3 were reported above NMOCD action levels with 127 mg/kg. TPH concentrations as GRO/DRO/MRO exceeded the NMOCD action level of 5,000 mg/kg in SB-3 with 14,600 mg/kg.

On April 20, 2015, final excavation of the impacted area was completed. Field sampling results of the excavation extents showed that VOC concentrations were below applicable

NMOCD action levels for the final walls of the excavation, except for SC-2 (southeast wall) and SC-6 (east wall) which had VOC concentrations of 845 ppm and 112 ppm, respectively. The base of the excavation (SC-7) also exceeded NMOCD action levels with 1,572 ppm. In contrast, field TPH concentrations were below the applicable NMOCD action level of 5,000 mg/kg for the final walls and base of the excavation. Laboratory analytical results for benzene, total BTEX, and TPH concentrations as GRO/DRO/MRO were reported below NMOCD action levels in all samples.

Based on final field sampling and laboratory analytical results of the excavation of petroleum contaminated soils at the Marcus Compressor Station, benzene, total BTEX, and TPH concentrations were below applicable NMOCD action levels for each of the sidewalls and base of the excavation. No further work is recommended.

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

Sincerely,

Sinh Sh L

Emilee Skyles Geologist

Ungobith & Mindly

Elizabeth McNally, PE

Attachments:

Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Map, January 2015

Figure 3. Release Assessment Sample Locations and Results, January and February 2015

Figure 4. Final Excavation Sample Locations and Results, April 2015

Bill of Lading (Waste Manifest #51500)

AES Field Sampling Report 010715

AES Field Sampling Report 021615

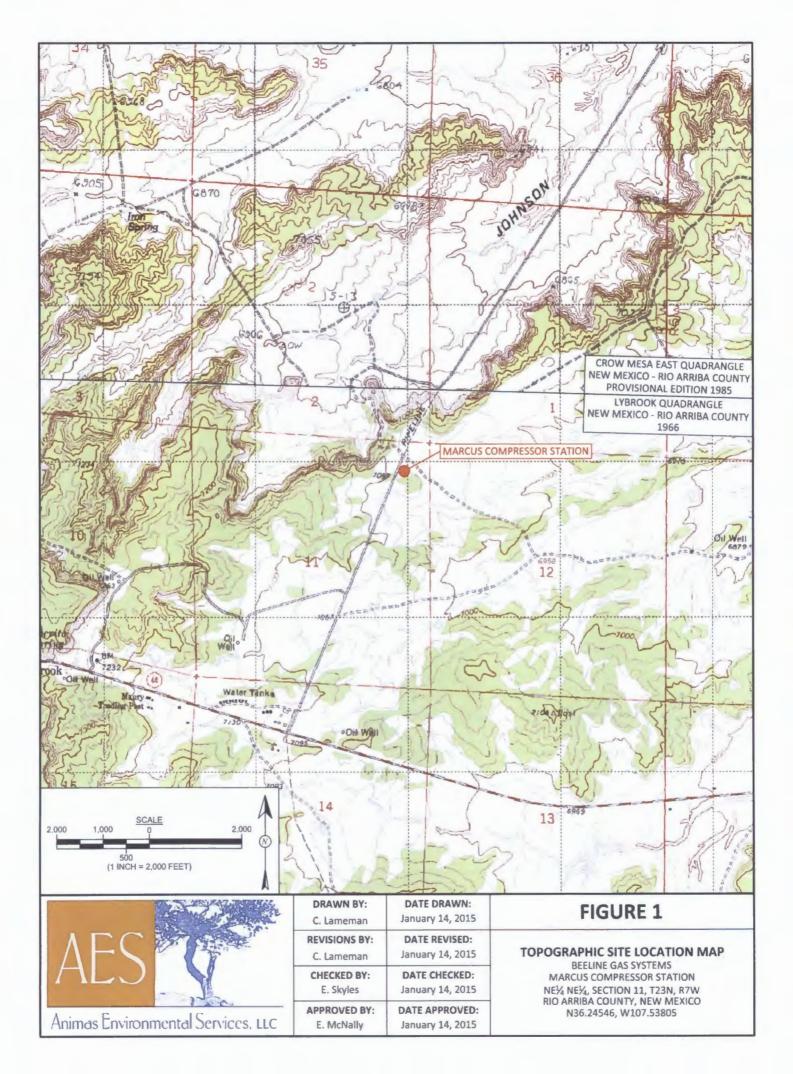
AES Field Sampling Report 042015

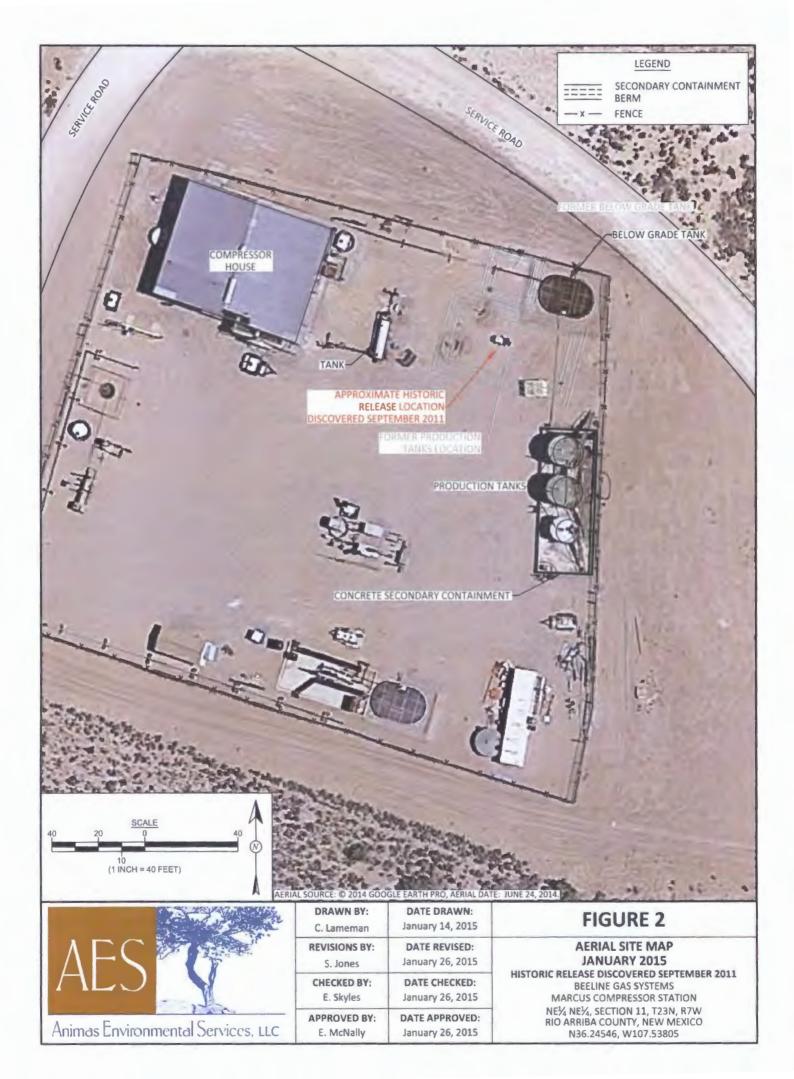
Hall Laboratory Analytical Report 1501230

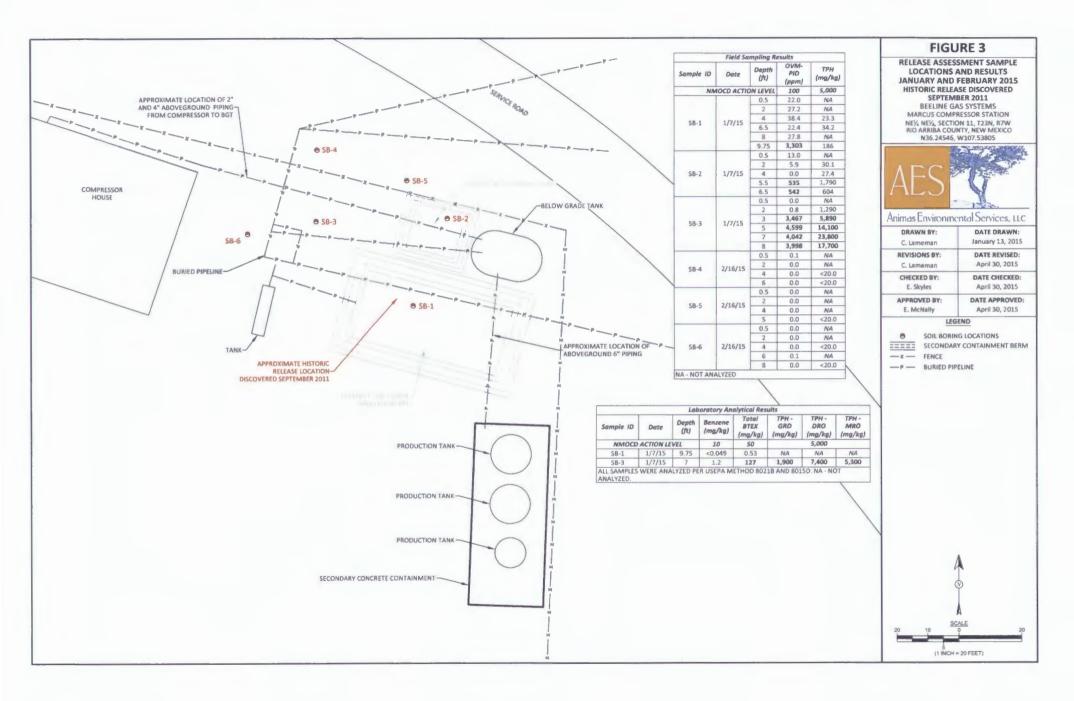
Hall Laboratory Analytical Report 1504849

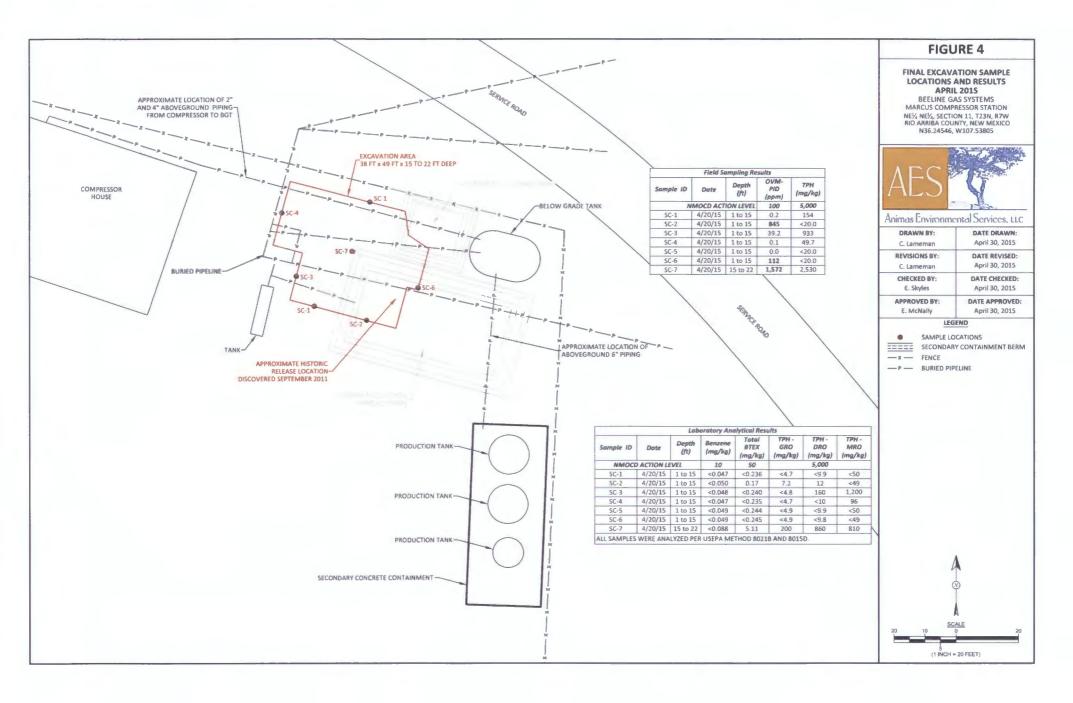
Hall Laboratory Analytical Report 1504867

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ANNEEDT # 54500
/ANIFEST #
GENERATOR EMRIPLE Roctine
POINT OF ORIGIN MARGUS COMP STOLLOW
TRANSPORTER HAID
DATE 417-15 JOB # 17152-00/7

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

COMPLETE DESCRIPTION OF SHIPMENT

TRANSPORTING COMPANY

LOAD											
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By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

RECEIVED APR 2 6 2015

Generator Onsite Contact

Pink - Cupper Ecologia AFRop 9 2015 Signatures required prior to distribution of the legal document. DISTRIBUTION: White - Company Records, Yellow - Billing.

AES Field Sampling Report

Animas Environmental Services. LLC



Client: Beeline Gas Systems

Project Location: Marcus Compressor Station

Date: 1/7/2015

Matrix: Soil

Sample ID	Collection Date	Collection Time	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials		
SB-1 @ 0.5'	1/7/2015	9:40	22.0	Not Analyzed for TPH						
SB-1@2'	1/7/2015	9:50	27.2	Not Analyzed for TPH						
SB-1 @ 4'	1/7/2015	9:55	38.4	23.3	10:28	20.0	1	EMS		
SB-1 @ 6.5'	1/7/2015	12:38	22.4	34.2	13:14	20.0	1	EMS		
SB-1@8'	1/7/2015	12:42	27.8	Not Analyzed for TPH						
SB-1 @ 9.75	1/7/2015	12:45	3,303	186	13:16	20.0	1	EMS		
SB-2 @ 0.5'	1/7/2015	10:15	13.0	Not Analyzed for TPH						
SB-2 @ 2'	1/7/2015	10:20	5.9	30.1	11:13	20.0	1	EMS		
SB-2 @ 4'	1/7/2015	10:25	0.0	27.4	11:15	20.0	1	EMS		
SB-2 @ 5.5'	1/7/2015	12:00	535	1,785	12:30	20.0	1	EMS		
SB-2 @ 6.5'	1/7/2015	12:03	542	604	12:32	20.0	1	EMS		
SB-3 @ 0.5'	1/7/2015	10:30	0.0	Not Analyzed for TPH						
SB-3 @ 2'	1/7/2015	10:32	0.8	1,291	11:50	20.0	1	EMS		
SB-3 @ 3'	1/7/2015	10:38	3,467	5,888	11:56	200.0	100	EMS		

Sample ID	Collection Date	Collection Time	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SB-3 @ 5'	1/7/2015	10:45	4,599	14,092	11:43	200.0	100	EMS
SB-3 @ 7'	1/7/2015	11:10	4,042	23,789	12:03	200.0	100	EMS
SB-3 @ 8'	1/7/2015	11:15	3,998	17,659	12:10	200.0	100	EMS

DF Dilution Factor

NA Not Analyzed

PQL Practical Quantitation Limit

*Field TPH concentrations recorded may be below PQL.

Analyst: Shih ShL

Total Petroleum Hydrocarbons - USEPA 418.1

AES Field Sampling Report



Client: Beeline Gas Systems

Project Location: Marcus Compressor Station

Date: 2/16/2015

Matrix: Soil

Sample ID	Collection Date	Collection Time	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials	
SB-4 @ 0.5'	2/16/2015	10:59	0.1		Not A	Analyzed for Th	РН		
SB-4 @ 2'	2/16/2015	11:05	0.0		Not A	Analyzed for Th	РН		
SB-4 @ 4'	2/16/2015	11:08	0.0	4.4	11:44	20.0	1	EMS	
SB-4 @ 6'	2/16/2015	11:15	0.0	3.0	11:47	20.0	1	EMS	
SB-5 @ 0.5'	2/16/2015	11:20	0.0	Not Analyzed for TPH					
SB-5 @ 2'	2/16/2015	11:25	0.0		Not A	Analyzed for Tl	РН		
SB-5 @ 4'	2/16/2015	11:28	0.0		Not A	Analyzed for TI	РН		
SB-5 @ 5'	2/16/2015	11:34	0.0	5.7	11:49	20.0	1	EMS	
SB-6 @ 0.5'	2/16/2015	11:45	0.0		Not A	Analyzed for TI	РН		
SB-6 @ 2'	2/16/2015	11:48	0.0		Not A	Analyzed for TI	РН		
SB-6 @ 4'	2/16/2015	11:50	0.0	0.32	12:12	20.0	1	EMS	
SB-6@6'	2/16/2015	11:52	0.1		Not A	Analyzed for Tl	РН		
SB-6 @ 8'	2/16/2015	11:56	0.0	1.7	12:15	20.0	1	EMS	

Sample ID	Collection Date	Collection Time	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
DF	Dilution Factor	or			Total Petro	leum Hydrocar	bons - USE	PA 418.1

NA Not Analyzed

PQL Practical Quantitation Limit

*Field TPH concentrations recorded may be below PQL.

Analyst: Sinh SyL

AES Field Sampling Report

Animas Environmental Services, LLC



Client: Beeline Gas Systems

Project Location: Marcus Compressor Station

Date: 4/20/2015

Matrix: Soil

Sample ID	Collection Date	Collection Time	Sample Location	OVM (ppm)	Field TPH* (mg/kg)	Field TPH Analysis Time	TPH PQL (mg/kg)	DF	TPH Analysts Initials
SC-1	4/20/2015	10:40	South (west) Wall	0.2	154	11:15	20.0	1	DD
SC-2	4/20/2015	10:45	South (east) Wall	845	10.5	11:18	20.0	1	DD
SC-3	4/20/2015	11:06	West (south) Wall	39.2	933	11:37	20.0	1	DD
SC-4	4/20/2015	11:28	West (north) Wall	0.1	49.7	11:57	20.0	1	DD
SC-5	4/20/2015	11:49	North	0.0	9.2	12:24	20.0	1	DD
SC-6	4/20/2015	12:13	East	112	14.6	12:30	20.0	1	DD
SC-7	4/20/2015	12:13	Base	1,572	2,527	12:34	20.0	1	DD

DF Dilution Factor

NA Not Analyzed

PQL Practical Quantitation Limit

*TPH concentrations recorded may be below PQL.

Analyst: Dyla Dan

Total Petroleum Hydrocarbons - USEPA 418.1



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

January 13, 2015 Emilee Skyles Animas Environmental Services 604 Pinon Street Farmington, NM 87401 TEL: (505) 564-2281 FAX (505) 324-2022

RE: Beeline Marcus Compressor Sataion

OrderNo.: 1501230

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 2 sample(s) on 1/8/2015 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,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 1501230 Date Reported: 1/13/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT:	Animas Environmental Se	rvices		0	lient Sampl	e ID: SB	-1@9.75'	
Project:	Beeline Marcus Compress	or Sataion			Collection 1	Date: 1/7	/2015 12:45:00 PM	
Lab ID:	1501230-001	Matrix:	SOIL		Received	Date: 1/8	8/2015 7:00:00 AM	
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA MET	THOD 8021B: VOLATILES						Analys	st: NSB
Benzene	9	ND	0.049		mg/Kg	1	1/12/2015 9:30:09 PM	17131
Toluene		ND	0.049		mg/Kg	1	1/12/2015 9:30:09 PM	17131
Ethylber	izene	0.084	0.049		mg/Kg	1	1/12/2015 9:30:09 PM	17131
Xylenes,	Total	0.45	0.099		mg/Kg	1	1/12/2015 9:30:09 PM	17131
Surr:	4-Bromofluorobenzene	126	80-120	S	%REC	1	1/12/2015 9:30:09 PM	17131

			00		
Qualifiers:		Value exceeds Maximum Contaminant Level	В	Analyte detected in the associated Metho	od Blank
	E	Value above quantitation range	Н	Holding times for preparation or analysis	s exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 1 of 6
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2.	I ugo I OI O
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

Analytical Report Lab Order 1501230 Date Reported: 1/13/2015

Hall Environmental Analysis Laboratory, Inc.

on Matrixe			Collection	Date: 1/7/2015 11:10:00 AM	
Matula					
viatrix:	SOIL		Received	Date: 1/8/2015 7:00:00 AM	
esult	RL	Qual	Units	DF Date Analyzed	Batch
	esult GANICS				

Diesel Range Organics (DRO)	7400	100		mg/Kg	10	1/9/2015 11:11:52 AM	17136
Motor Oil Range Organics (MRO)	5300	500		mg/Kg	10	1/9/2015 11:11:52 AM	17136
Sum: DNOP	0	63.5-128	S	%REC	10	1/9/2015 11:11:52 AM	17136
EPA METHOD 8015D: GASOLINE RANG	E					Analyst	NSB
Gasoline Range Organics (GRO)	1900	95		mg/Kg	20	1/9/2015 2:30:47 PM	17131
Surr: BFB	587	80-120	S	%REC	20	1/9/2015 2:30:47 PM	17131
EPA METHOD 8021B: VOLATILES						Analyst	NSB
EPA METHOD 8021B: VOLATILES Benzene	1.2	0.95		mg/Kg	20	Analyst 1/9/2015 2:30:47 PM	: NSB 17131
	1.2 ND	0.95 0.95		mg/Kg mg/Kg	20 20	,	
Benzene				0 0		1/9/2015 2:30:47 PM	17131
Benzene Toluene	ND	0.95		mg/Kg	20	1/9/2015 2:30:47 PM 1/9/2015 2:30:47 PM	17131 17131

Qualifiers:		Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Metho	od Blank
	E	Value above quantitation range	н	Holding times for preparation or analysis	s exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 2 of 6
	0	RSD is greater than RSDlimit	Р	Sample pH greater than 2.	1460 2 01 0
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

WO#:	1501230
WUH.	1301230

13-Jan-15

	Environme Marcus Con									
Sample ID MB-17136	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015D: Dies	el Range (Organics	
Client ID: PBS	Batch	n ID: 17	136	F	RunNo: 2	3562				
Prep Date: 1/8/2015	Analysis D	ate: 1/	9/2015	S	SeqNo: 6	95950	Units: mg/M	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Quai
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.9		10.00		89.4	63.5	128			
Sample ID LCS-17136	SampT	ype: LC	s	Tes	tCode: E	PA Method	8015D: Dies	el Range (Organics	
Client ID: LCSS	Batch	D: 17	136	F	RunNo: 2	3562				
Prep Date: 1/8/2015	Analysis D	ate: 1/	9/2015	S	SeqNo: 6	95951	Units: mg/k	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	60	10	50.00	0	120	67.8	130			
Surr: DNOP	4.3		5.000		86.2	63.5	128			

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.
- RL Reporting Detection Limit

Page 3 of 6

0.00

WO#: 1501230

13-Jan-15

Client: Project:		Environmer Aarcus Cor									
Sample ID	MB-17131	SampT	ype: M	BLK	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	e	
Client ID:	PBS	Batch	ID: 17	131	F	RunNo: 2	3563				
Prep Date:	1/8/2015	Analysis D	ate: 1	/9/2015	5	SeqNo: 6	96254	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang Surr: BFB	e Organics (GRO)	ND 910	5.0	1000		91.0	80	120			
Sample ID	LCS-17131	SampT	ype: LC	CS	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	0	
Client ID:	LCSS	Batch	ID: 17	131	F	RunNo: 2	3563				
Prep Date:	1/8/2015	Analysis D	ate: 1	/9/2015	5	SeqNo: 6	96255	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	26	5.0	25.00	0	105	65.8	139			
Surr: BFB		1000	_	1000		105	80	120			
Sample ID	5ML RB	SampT	ype: M	BLK	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	0	
Client ID:	PBS	Batch	ID: R	23589	F	RunNo: 2	3589				
Prep Date:		Analysis D	ate: 1	/12/2015	5	SeqNo: 6	97022	Units: %RE	С		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		880		1000		88.1	80	120			
Sample ID	2.5UG GRO LCS	SampT	ype: LO	CS	Tes	tCode: E	PA Method	8015D: Gaso	oline Rang	8	
Client ID:	LCSS	Batch	ID: R	23589	F	RunNo: 2	3589				
Prep Date:		Analysis D	ate: 1	/12/2015	9	SeqNo: 6	97023	Units: %RE	С		
Analyte		Result	PQL		SPK Ref Val	%REC	I owl imit	HighLimit	%RPD	RPDLimit	Qual
Sur: BFB		910	1 GL	1000	Of It Hor Var	90.6	80	120	NIT D		
Sample ID	MB-17155	SampT	ype: M	BLK	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	6	
		Detet	ID: 17	7155	F	RunNo: 2	3591				
Client ID:	PBS	Batch	10. 11								
	PBS 1/9/2015	Analysis D		/12/2015	5	SeqNo: 6	97041	Units: %RE	C		
	and the second second		ate: 1		SPK Ref Val			Units: %RE HighLimit	%RPD	RPDLimit	Qual
Prep Date:	and the second second	Analysis D	ate: 1							RPDLimit	Qual
Prep Date: Analyte Surr: BFB	and the second second	Analysis D Result	ate: 1 PQL	SPK value 1000	SPK Ref Val	%REC 93.9	LowLimit 80	HighLimit	%RPD		Qual
Prep Date: Analyte Surr: BFB	1/9/2015 LCS-17155	Analysis D Result 940 SampT	ate: 1 PQL	SPK value 1000 CS	SPK Ref Val	%REC 93.9	LowLimit 80 PA Method	HighLimit 120	%RPD		Qual
Prep Date: Analyte Surr: BFB Sample ID Client ID:	1/9/2015 LCS-17155	Analysis D Result 940 SampT	ate: 1 PQL ype: L0	SPK value 1000 CS 7155	SPK Ref Val Tes	%REC 93.9 tCode: E	LowLimit 80 PA Method 23591	HighLimit 120	%RPD		Qual

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.
- RL Reporting Detection Limit

Page 4 of 6

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- 1 . 6 (

Client:	Animas E	nvironme	ntal Ser	vices								
Project:	Beeline N	larcus Con	mpresso	or Sataion								
Sample ID	MB.17131	SamnT	ype: MI	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles			
	PBS		ID: 17			RunNo: 2		00210. 10101				
Client ID:												
Prep Date:	1/8/2015	Analysis D	ate: 1/	9/2015		SeqNo: 6	96273	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-Brom	ofluorobenzene	1.0		1.000		105	80	120				
Sample ID	5ML RB	SampT	ype: MI	BLK	Tes	tCode: El	PA Method	8021B: Volat	tiles			
Client ID:	PBS	Batch	1D: R2	23589	F	RunNo: 2	3589					
Prep Date:		Analysis D	ate: 1	12/2015	5	SeqNo: 6	97028	Units: %RE	С			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
	ofluorobenzene	1.1		1.000		110	80	120				
Sample ID	100NG BTEX LCS	SampT	ype: LC	s	Tes	tCode: El	PA Method	8021B: Volat	tiles			
Client ID:			DID: R			RunNo: 2						
Prep Date:		Analysis D				SeaNo: 6		Units: %RE	С			
Analyte		Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
	ofluorobenzene	1.1	I GL	1.000	OF ICTION VIE	110	80	120	70111 0	TH DEMIC	duan	
Sample ID	LCS-17131	SamoT	ype: LC	s	Tes	tCode: El	PA Method	8021B: Volat	tiles			
Client ID:			1D: 17			RunNo: 2						
Prep Date:		Analysis D				SeqNo: 6		Units: mg/M	a			
	110/2010				SPK Ref Val	%REC	LowLimit		%RPD	RPDLimit	Qual	
Analyte Benzene		Result 0.88	PQL 0.050	1.000	OFR Rei Val	87.8	80	HighLimit 120	70KFD	REDLIMIL	Qual	
		0.87	0.050		0	87.1	80	120				
Toluene		0.89	0.050		0	89.0	80	120				
Ethylbenzene		2.8	0.050		0	92.6	80	120				
Xylenes, Total Surr: 4-Bron	ofluorobenzene	1.1	0.10	1.000	0	115	80	120				
Comple ID	MD 47455	Comel	NDO: 10		Tee	Code: E	PA Motherd	8021B: Vola	tiloe			
	MB-17155		ype: M			RunNo: 2		UVE ID. VUId	1103			
Client ID: Prep Date:		Analysis D	h ID: 17			SeqNo: 6		Units: %RE	C			
	11912019									PDDI imit	Qual	
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	

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.
- RL Reporting Detection Limit

Page 5 of 6

1501230 *13-Jan-15*

WO#:

Animas Environmental Services **Client:**

Project: Beeline Marcus Compressor Sataion

Sample ID LCS-17155	SampT	ype: LC	S	Tes	Code: E	EPA Method	8021B: Vola	tiles		
Client ID: LCSS	Batch	n ID: 17	155	R	unNo:	23591				
Prep Date: 1/9/2015	Analysis D	ate: 1	/12/2015	S	eqNo:	697082	Units: %RE	C		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.2		1.000		118	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- Е Value above quantitation range
- Analyte detected below quantitation limits 3
- RSD is greater than RSDlimit 0
- RPD outside accepted recovery limits R
- Spike Recovery outside accepted recovery limits S
- Analyte detected in the associated Method Blank В
- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit
- Р Sample pH greater than 2.
- RL Reporting Detection Limit

1501230 13-Jan-15

WO#:

Page 6 of 6

LABORATORY TEL: 505-345-397.	4901 Hawkins buquerque, NM 87	NE Ios Sam	ole Log-In Check List
Client Name: Animas Environmental Work Order Number	: 1501230		RcptNo: 1
Received by/date:			·
Logged By: Lindsay Mangin 1/8/2015 7:00:00 AM		Julip	
Completed By: Lindsay Mangin 1/8/2015 8:51:48 AM		Author	
Reviewed By: OA DII DS 15		000	
Chain of Custody		-	······
1. Custody seals intact on sample bottles?	Yes	No 🗌	Not Present 🗹
2. Is Chain of Custody complete?	Yes 🗹	No 🗌	Not Present
3. How was the sample delivered?	Courier		
Log In			
4. Was an attempt made to cool the samples?	Yes 🗹	No 🗌	NA 🗔
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes 🗹	No 🗌	
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) property 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
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)

6. Was client notified of all discrepancies with th	e order? Yes No No NA
Person Notified:	Date:
By Whom:	Via: eMail Phone Fax In Person
Regarding:	
Client Instructions:	

17. Additional remarks:

18. Cooler Information

Ī	Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
ľ	1	1.2	Good	Yes	and and a local division of the local divisi		

C	hain	-ot-Cu	istody Record	[uni-Around	1010 .		Ι.			1		ιī.			тс	20	NIR	1EN	ТА	
Client:	Animas	Environ	nmental Services		C Rush					_						-		RA		
		<u></u>					1 1					v.hal								
Mailing	Address	:604 W.	Pinon 94.	Beeline N	Narcus Con	npressor Station		49	01 H								M 87	109		
		MUM		Project #:				Tel. 505-345-3975 Fax 505-345-4107					7							
Phone	#: 30	5-56	4-2281									A	naly	/sis	Req	uest	1			
email o				Project Mana	iger:		=	nly)	30)					04)						
QA/QC	Package:			E.Sky	1.0		(8021)	IS O	/ Wi			ŝ		4,S(CB's					
Stan	dard		Level 4 (Full Validation)	C.SKy			f	Ű	ß			SIM		PC	2 P(
Áccredi					. Skyles			+ TPH (Gas only)	0/D	3.1)	4.1)	270		NO2	808					Î
			er	On Ice: Ves INo Sample Temperature: 1.2			н ф		GR(141	50	or 8	als	NO	les		VOA			∠ or
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	6	BTEX + MTBE	BTEX + MTBE	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)			Air Bubbles (Y or N)
1/7/15	12:45	Soil	SB-1 e 9.75'	1-402	conl	-001	X													
1/7/15	11:10	Soil	SB-3@7'	1-407	corl	-002-	X		X		_									
Date:	Time: 1627 Time: 1720	Relinquish Relinquish Relinquish Amples sub	ist	Received by: Received by: Received by: Contracted to other a	Walte Corredited laboratorie	Date Time 17/15 162 Date Time 08/15 070 es. This serves as notice of thi	7	hark bility.		ub-con	tracted	data	will be	clear	ty nota	ated or	n the ar	nalytical r	eport.	<u> </u>

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

April 23, 2015 Emilee Skyles Animas Environmental Services 604 Pinon Street Farmington, NM 87401 TEL: (505) 564-2281 FAX (505) 324-2022

RE: Marcus Compressor

OrderNo.: 1504849

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 1 sample(s) on 4/21/2015 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,

ander

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 1504849

Date Reported: 4/23/2015

Hall Environmental Analysis Laboratory, Inc.

 CLIENT: Animas Environmental Services
 Client Sample ID: SC-7

 Project: Marcus Compressor
 Collection Date: 4/20/2015 12:13:00 PM

 Lab ID: 1504849-001
 Matrix: MEOH (SOIL)
 Received Date: 4/21/2015 7:30:00 AM

 Analyses
 Result
 RL Onal Units
 DF Date Analyzed

Result	RL (Qual	Units	DF	Date Analyzed	Batch
ORGANICS					Analyst	JME
860	100		mg/Kg	10	4/21/2015 2:19:05 PM	18792
810	500		mg/Kg	10	4/21/2015 2:19:05 PM	18792
0	57.9-140	S	%REC	10	4/21/2015 2:19:05 PM	18792
IGE					Analyst	NSB
200	18		mg/Kg	5	4/21/2015 12:04:42 PM	18764
340	80-120	S	%REC	5	4/21/2015 12:04:42 PM	18764
					Analyst	NSB
ND	0.088		mg/Kg	5	4/21/2015 12:04:42 PM	18764
0.20	0.18		mg/Kg	5	4/21/2015 12:04:42 PM	18764
0.51	0.18		mg/Kg	5	4/21/2015 12:04:42 PM	18764
4.4	0.35		mg/Kg	5	4/21/2015 12:04:42 PM	18764
126	80-120	S	%REC	5	4/21/2015 12:04:42 PM	18764
	ORGANICS 860 810 0 IGE 200 340 ND 0.20 0.51 4.4	ORGANICS 860 100 810 500 0 57.9-140 IGE 200 18 340 80-120 ND 0.088 0.20 0.18 0.51 0.18 4.4 0.35	ORGANICS 860 100 810 500 0 57.9-140 S IGE 200 18 340 80-120 S ND 0.088 0.20 0.18 0.51 0.18 4.4 0.35	ORGANICS 860 100 mg/Kg 810 500 mg/Kg 0 57.9-140 S %REC IGE 200 18 mg/Kg 340 80-120 S %REC ND 0.088 mg/Kg 0.20 0.18 mg/Kg 0.51 0.18 mg/Kg 4.4 0.35 mg/Kg	ORGANICS 860 100 mg/Kg 10 810 500 mg/Kg 10 0 57.9-140 S %REC 10 IGE 200 18 mg/Kg 5 340 80-120 S %REC 5 ND 0.088 mg/Kg 5 0.20 0.18 mg/Kg 5 0.51 0.18 mg/Kg 5 4.4 0.35 mg/Kg 5	ORGANICS Analyst: 860 100 mg/Kg 10 4/21/2015 2:19:05 PM 810 500 mg/Kg 10 4/21/2015 2:19:05 PM 0 57.9-140 S %REC 10 4/21/2015 2:19:05 PM 0 57.9-140 S %REC 10 4/21/2015 2:19:05 PM 0 57.9-140 S %REC 10 4/21/2015 2:19:05 PM 0 10 4/21/2015 2:19:05 PM 0 4/21/2015 2:19:05 PM 0 4/21/2015 12:04:42 PM 4/21/2015 12:04:42 PM 4/21/2015 12:04:42 PM Analyst: 0 6 4/21/2015 12:04:42 PM Analyst: MND 0.088 mg/Kg 5 4/21/2015 12:04:42 PM Analyst: MND 0.088 mg/Kg 5 4/21/2015 12:04:42 PM 0.51 0.18 mg/Kg 5 4/21/2015 12:04:42 PM 4.4 0.35 mg/Kg 5 4/21/2015 12:04:42 PM 4.4 0.35 mg/Kg 5 4/21/2015 12:04:42 PM 4/21/2015 12:04:42 PM

Qualifiers:		Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Metho	od Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysis	s exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 1 of 4
	0	RSD is greater than RSDlimit	Р	Sample pH Not In Range	I uge I of 4
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

WO#: 1504849

23-Apr-15

	as Environme Is Compresso		vices							
Sample ID MB-18792	SampT	ype: ME	BLK	Tes	Code: El	PA Method	8015D: Dies	el Range (Organics	
Client ID: PBS	Batch	1D: 18	792	F	tunNo: 2	5632				
Prep Date: 4/21/2015	Analysis D	ate: 4/	21/2015	5	eqNo: 7	59849	Units: mg/H	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.5		10.00		84.8	57.9	140	_		
Sample ID LCS-18792	SampT	ype: LC	S	Tes	Code: El	PA Method	8015D: Dies	el Range (Organics	
Client ID: LCSS	Batch	1D: 18	792	F	unNo: 2	5632				
Prep Date: 4/21/2015	Analysis D	ate: 4/	21/2015	S	eqNo: 7	59851	Units: mg/M	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.3	67.8	130			
Surr: DNOP	4.7		5.000		94.5	57.9	140			

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 Not In Range
- RL Reporting Detection Limit

Page 2 of 4

WO#: 1504849

23-Apr-15

Client: Project:		Environmental Se Compressor	rvices							
Sample ID	MB-18764	SampType: M	BLK	Tes	Code: EP	A Method	8015D: Gaso	line Rang	10	
Client ID:	PBS	Batch ID: 18	3764	F	unNo: 25	643				
Prep Date:	4/20/2015	Analysis Date: 4	/21/2015	S	eqNo: 76	0143	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	e Organics (GRO)	ND 5.0 870	1000		86.9	80	120			
Sample ID	LCS-18764	SampType: LO	CS	Tes	Code: EP	A Method	8015D: Gaso	line Rang	le	
Client ID:	LCSS	Batch ID: 18	3764	F	RunNo: 25	643				
Prep Date:	4/20/2015	Analysis Date: 4	/21/2015	S	eqNo: 76	0144	Units: mg/K	g		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	26 5.0	25.00	0	105	64	130			
Surr: BFB		990	1000		98.9	80	120			
Sample ID	MB-18803	SampType: M	BLK	Tes	tCode: EP	A Method	8015D: Gaso	line Rang	le	
Client ID:	PBS	Batch ID: 18	3803	F	tunNo: 25	665				
Prep Date:	4/21/2015	Analysis Date: 4	/22/2015	S	eqNo: 76	51162	Units: %RE	C		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		850	1000		85.0	80	120			
Sample ID	LCS-18803	SampType: L	CS	Tes	Code: EP	A Method	8015D: Gaso	line Rang	10	
Client ID:	LCSS	Batch ID: 18	8803	F	tunNo: 25	665				
Prep Date:	4/21/2015	Analysis Date: 4	/22/2015	S	SeqNo: 76	61163	Units: %RE	C		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		940	1000		94.4	80	120			

Qualifiers:

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

Page 3 of 4

WO#: 1504849

23-Apr-15

	imas Environmental Services rcus Compressor		
Sample ID MB-18764	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles	
Client ID: PBS	Batch ID: 18764	RunNo: 25643	
Prep Date: 4/20/2015	Analysis Date: 4/21/2015	SeqNo: 760213 Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPD	Limit Qual
Benzene	ND 0.050		
Toluene	ND 0.050		
Ethylbenzene	ND 0.050		
Xylenes, Total	ND 0.10		
Surr: 4-Bromofluorobenzer	e 0.97 1.000	97.1 80 120	
Sample ID LCS-18764	SampType: LCS	TestCode: EPA Method 8021B: Volatiles	
Client ID: LCSS	Batch ID: 18764	RunNo: 25643	
Prep Date: 4/20/2015	Analysis Date: 4/21/2015	SeqNo: 760214 Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPD	Limit Qual
Benzene	1.1 0.050 1.000	0 110 76.6 128	
Toluene	1.0 0.050 1.000	0 105 75 124	
Ethylbenzene	1.1 0.050 1.000	0 110 79.5 126	
Xylenes, Total	3.3 0.10 3.000	0 109 78.8 124	
Surr: 4-Bromofluorobenzer	e 1.1 1.000	107 80 120	
Sample ID MB-18803	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles	
Client ID: PBS	Batch ID: 18803	RunNo: 25665	
Prep Date: 4/21/2015	Analysis Date: 4/22/2015	SeqNo: 761191 Units: %REC	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPD	Limit Qual
Surr: 4-Bromofluorobenzer	e 0.92 1.000	92.1 80 120	
Sample ID LCS-18803	SampType: LCS	TestCode: EPA Method 8021B: Volatiles	
Client ID: LCSS	Batch ID: 18803	RunNo: 25665	
Prep Date: 4/21/2015	Analysis Date: 4/22/2015	SeqNo: 761192 Units: %REC	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPD	Limit Qual
Surr: 4-Bromofluorobenzer	e 1.0 1.000	100 80 120	

Qualifiers:

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

Page 4 of 4

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental Albu TEL: 505-345-3975 Website: www.hai	4901 iquerqua FAX: 50	Hawktns) , NM 871)5-345-41	09 Samp	ole Log-In C	heck List
Client Name: Animas Environmental	Work Order Number:	15048	49		RcptNo	1
Received by/date: 0	elatis					
Logged By: Lindsay Mangin	4/21/2015 7:30:00 AM			Allo		
2	4/21/2015 8:17:24 AM			July Mago		
- A/M-		_				
1. Custody seals intact on sample bottles?		Yes		No 🗌	Not Present	
2. Is Chain of Custody complete?		Yes			Not Present	
3. How was the sample delivered?		Couri				
Log In						
4. Was an attempt made to cool the samples?		Yes		No 🗌	NA 🗌	
5. Were all samples received at a temperature of	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	
1. Were any sample containers received broker	17	Yes		No 🗹	# of preserved	
12. Does paperwork match bottle labels?		Yes		No 🗌	bottles checked for pH:	
(Note discrepancies on chain of custody)	Durate of O	Marc	A	No 🗌	(<2) Adjusted?	or >12 unless noted
3. Are matrices correctly identified on Chain of C 4. Is it clear what analyses were requested?	Justodyr	Yes		No 🗌	_	
15. Were all holding times able to be met? (If no, notify customer for authorization.)					Checked by:	
pe <u>cial Handling (if applicable)</u>						
16. Was client notified of all discrepancies with th	is order?	Yes		No 🗌	NA 🗹	
Person Notified:	Date					
By Whom:	Via:	eMa	I 🗌 Pł	none 🗌 Fax	In Person	
Regarding:						
Client Instructions:				_		
17. Additional remarks:						
8. <u>Cooler Information</u> Cooler No Temp C Condition Sea	al Intact Seal No S	Seal Da	te	Signed By		
1 3.3 Good Yes						

Page 1 of 1

			stody Record	Turn-Around Time: 5 I Standard Rush Some May Project Name: Marcus Campressor Project #:						-		-	_							
	5			Project Name	e:	0						w.hal								
lailing	Address	: 604	Wi Pinen St	Marcus	Compa	5501		49	01 H								M 87	109		
		01	0. 11000	Project #:	- PI		1		əl. 50								-4107			
hone	#: 505	-56	1-2281 11	1					511 0 0		10 0.		-		-	ues				-
mail o	r Fax#: C	Davis	2 animas environmental.	Project Mana	ger:			(yl	Ô					(4)					T	
	Package:		Level 4 (Full Validation)	Emilee	Slayls	5	\$ (8021)	+ TPH (Gas only)	(GRO / DRO / MRO)			SIMS)		PO4,SC	PCB's					
\ccred				Sampler: DU	7,		₿ B	H	DF	-	,	70 5		NO23	3082			1		7
J NEL			r		Yes		Lt.		RO	418.	504	or 82	S	103,1	S/ Se		(YO			or
	(Type)			Sample Tem	derature: 3	3	BH	TBE	B	por	pou	10 0	leta	CI,N	icide	(YC	ni-V			S (Y
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO	BTEX + M	BTEX + MTBE	TPH 8015B	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270	RCRA 8 Metals	Anions (F,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)			Air Bubbles (Y or N)
20/15	12:B	Sqil	5(-7	402/voria	Various	-001	Ž		X				_							
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Date:	Time:	Relinguish	mth /	Received by:	u liket	1 4/20/15 1455	Ker	nark	S:											
Date:	Time:	Relinquish	to labely	Received by:	AK-	Date Time														
120/15	11841	I CIVILS	un walles	I	NO A	412115 (170)			_				_		_					

If necessary samples submitted to Hall Environmental may be subcontracted to othen accedited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



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

April 28, 2015

Emilee Skyles Animas Environmental Services 604 Pinon Street Farmington, NM 87401 TEL: (505) 564-2281 FAX (505) 324-2022

RE: Marcus Compressor Station

OrderNo.: 1504867

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 6 sample(s) on 4/21/2015 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,

and

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 1504867 Date Reported: 4/28/2015

Hall Environmental Analysis Laboratory, Inc.

 CLIENT: Animas Environmental Services
 Client Sample ID: SC-1

 Project: Marcus Compressor Station
 Collection Date: 4/20/2015 10:40:00 AM

 Lab ID: 1504867-001
 Matrix: SOIL
 Received Date: 4/21/2015 7:30:00 AM

 Analyses
 Result
 RL
 Qual
 Units
 DF
 Date Analyzed
 Batch

 EPA METHOD 8015D: DIESEL BANGE ORGANICS
 Analyst: KJH

RGANICS				Analyst:	KJH
ND	9.9	mg/Kg	1	4/22/2015 9:00:24 PM	18786
ND	50	mg/Kg	1	4/22/2015 9:00:24 PM	18786
93.9	57.9-140	%REC	1	4/22/2015 9:00:24 PM	18786
E				Analyst:	NSB
ND	4.7	mg/Kg	1	4/23/2015 3:03:09 AM	18803
86.3	80-120	%REC	1	4/23/2015 3:03:09 AM	18803
				Analyst:	NSB
ND	0.047	mg/Kg	1	4/23/2015 3:03:09 AM	18803
ND	0.047	mg/Kg	1	4/23/2015 3:03:09 AM	18803
ND	0.047	mg/Kg	1	4/23/2015 3:03:09 AM	18803
ND	0.095	mg/Kg	1	4/23/2015 3:03:09 AM	18803
93.3	80-120	%REC	1	4/23/2015 3:03:09 AM	18803
	ND 93.9 E ND 86.3 ND ND ND ND	ND 9.9 ND 50 93.9 57.9-140 E ND 4.7 86.3 80-120 ND 0.047 ND 0.047 ND 0.047 ND 0.047 ND 0.047 ND 0.047	ND 9.9 mg/Kg ND 50 mg/Kg 93.9 57.9-140 %REC E ND 4.7 mg/Kg 86.3 80-120 %REC ND 0.047 mg/Kg ND 0.047 mg/Kg	ND 9.9 mg/Kg 1 ND 50 mg/Kg 1 93.9 57.9-140 %REC 1 E ND 4.7 mg/Kg 1 ND 4.7 mg/Kg 1 86.3 80-120 %REC 1 ND 0.047 mg/Kg 1 ND 0.095 mg/Kg 1	ND 9.9 mg/Kg 1 4/22/2015 9:00:24 PM ND 50 mg/Kg 1 4/22/2015 9:00:24 PM 93.9 57.9-140 %REC 1 4/22/2015 9:00:24 PM 93.9 57.9-140 %REC 1 4/22/2015 9:00:24 PM B Analyst: ND 4.7 mg/Kg 1 4/23/2015 3:03:09 AM 86.3 80-120 %REC 1 4/23/2015 3:03:09 AM Analyst: ND 0.047 rmg/Kg 1 4/23/2015 3:03:09 AM ND 0.047 mg/Kg 1 4/23/2015 3:03:09 AM ND 0.095 mg/Kg 1 4/23/2015 3:03:09 AM

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Metho	od Blank				
	E	Value above quantitation range	Н	Holding times for preparation or analysis exceeded					
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 1 of 9				
	0	RSD is greater than RSDlimit	Р	Sample pH Not In Range	rugerory				
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit					
	S	Spike Recovery outside accepted recovery limits							

Analytical Report Lab Order 1504867 Date Reported: 4/28/2015

Hall Environmental Analysis Laboratory, Inc.

Project:

Lab ID:

Analyses

CLIENT: Animas Environmental Services **Client Sample ID: SC-2** Collection Date: 4/20/2015 10:45:00 AM Marcus Compressor Station 1504867-002 Matrix: SOIL Received Date: 4/21/2015 7:30:00 AM Batch Result **RL** Qual Units **DF** Date Analyzed

EPA METHOD 8015D: DIESEL RANGE	ORGANICS				Analyst	KJH
Diesel Range Organics (DRO)	12	9.8	mg/Kg	1	4/22/2015 9:21:49 PM	18786
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	4/22/2015 9:21:49 PM	18786
Sur: DNOP	99.2	57.9-140	%REC	1	4/22/2015 9:21:49 PM	18786
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst	NSB
Gasoline Range Organics (GRO)	7.2	5.0	mg/Kg	1	4/23/2015 3:31:48 AM	18803
Surr: BFB	106	80-120	%REC	1	4/23/2015 3:31:48 AM	18803
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.050	mg/Kg	1	4/23/2015 3:31:48 AM	18803
Toluene	ND	0.050	mg/Kg	1	4/23/2015 3:31:48 AM	18803
Ethylbenzene	ND	0.050	mg/Kg	1	4/23/2015 3:31:48 AM	18803
Xylenes, Total	0.17	0.10	mg/Kg	1	4/23/2015 3:31:48 AM	18803
Surr: 4-Bromofluorobenzene	98.7	80-120	%REC	1	4/23/2015 3:31:48 AM	18803

+	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Metho	od Blank				
E	Value above quantitation range	н	Holding times for preparation or analysis exceeded					
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 2 of 9				
0	RSD is greater than RSDlimit	Р	Sample pH Not In Range	r ugo 2 or y				
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit					
S	Spike Recovery outside accepted recovery limits							
	E J O R S	 E Value above quantitation range J Analyte detected below quantitation limits O RSD is greater than RSDlimit R RPD outside accepted recovery limits 	EValue above quantitation rangeHJAnalyte detected below quantitation limitsNDORSD is greater than RSDlimitPRRPD outside accepted recovery limitsRL	EValue above quantitation rangeHHolding times for preparation or analysisJAnalyte detected below quantitation limitsNDNot Detected at the Reporting LimitORSD is greater than RSDlimitPSample pH Not In RangeRRPD outside accepted recovery limitsRLReporting Detection Limit				

Analytical Report Lab Order 1504867

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/28/2015

CLIENT: Animas Environmental Services **Client Sample ID: SC-3** Marcus Compressor Station Collection Date: 4/20/2015 11:06:00 AM **Project:** Lab ID: 1504867-003 Matrix: SOIL Received Date: 4/21/2015 7:30:00 AM Analyses Result **RL** Qual Units **DF** Date Analyzed Batch **EPA METHOD 8015D: DIESEL RANGE ORGANICS** Analyst: KJH

Diesel Range Organics (DRO)	160	98		mg/Kg	10	4/24/2015 7:49:37 PM	18786
Motor Oil Range Organics (MRO)	1200	490		mg/Kg	10	4/24/2015 7:49:37 PM	18786
Surr: DNOP	0	57.9-140	S	%REC	10	4/24/2015 7:49:37 PM	18786
EPA METHOD 8015D: GASOLINE RANGE						Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/23/2015 4:00:22 AM	18803
Surr: BFB	102	80-120		%REC	1	4/23/2015 4:00:22 AM	18803
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.048		mg/Kg	1	4/23/2015 4:00:22 AM	18803
Toluene	ND	0.048		mg/Kg	1	4/23/2015 4:00:22 AM	18803
Ethylbenzene	ND	0.048		mg/Kg	1	4/23/2015 4:00:22 AM	18803
Xylenes, Total	ND	0.096		mg/Kg	1	4/23/2015 4:00:22 AM	18803
Surr: 4-Bromofluorobenzene	98.7	80-120		%REC	1	4/23/2015 4:00:22 AM	18803

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Metho	od Blank			
	E	Value above quantitation range	Н	Holding times for preparation or analysis exceeded				
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 3 of 9			
	0	RSD is greater than RSDlimit	Р	Sample pH Not In Range	1 460 5 01 2			
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit				
	S	Spike Recovery outside accepted recovery limits						

Analytical Report
Lab Order 1504867

Date Reported: 4/28/2015

1 4/23/2015 4:29:01 AM 18803

18803

18803

18803

18803

1 4/23/2015 4:29:01 AM

1 4/23/2015 4:29:01 AM

1 4/23/2015 4:29:01 AM

1 4/23/2015 4:29:01 AM

Hall Environmental Analysis Laboratory, Inc.

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Surr: 4-Bromofluorobenzene

CLIENT: Animas Environmental Service	es	(Client Sampl	e ID: SC	2-4						
Project: Marcus Compressor Station		Collection Date: 4/20/2015 11:28:00 AM									
Lab ID: 1504867-004	Matrix:	SOIL	Received	Date: 4/2	21/2015 7:30:00 AM						
Analyses	Result	RL Qual	Units	DF	Date Analyzed	Batch					
EPA METHOD 8015D: DIESEL RANGE	ORGANICS				Analyst:	KJH					
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	4/23/2015 1:48:02 PM	18786					
Motor Oil Range Organics (MRO)	96	50	mg/Kg	1	4/23/2015 1:48:02 PM	18786					
Surr: DNOP	97.2	57.9-140	%REC	1	4/23/2015 1:48:02 PM	18786					
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst:	NSB					
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	4/23/2015 4:29:01 AM	18803					
Surr: BFB	108	80-120	%REC	1	4/23/2015 4:29:01 AM	18803					
EPA METHOD 8021B: VOLATILES					Analyst:	NSB					

0.047

0.047

0.047

0.094

80-120

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%REC

ND

ND

ND

ND

99.3

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Metho	od Blank			
	E	Value above quantitation range	Н	Holding times for preparation or analysis exceeded				
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 4 of 9			
	0	RSD is greater than RSDlimit	Р	Sample pH Not In Range	1450 101 /			
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit				
	S	Spike Recovery outside accepted recovery limits						

Analytical Report Lab Order 1504867 Date Reported: 4/28/2015

Hall Environmental Analysis Laboratory, Inc.

 CLIENT: Animas Environmental Services
 Client Sample ID: SC-5

 Project: Marcus Compressor Station
 Collection Date: 4/20/2015 11:49:00 AM

 Lab ID: 1504867-005
 Matrix: SOIL
 Received Date: 4/21/2015 7:30:00 AM

 Analyses
 Result
 RL Qual Units
 DF Date Analyzed
 Batch

<i>v</i>					v	_
EPA METHOD 8015D: DIESEL RANGE	ORGANICS				Analyst:	KJH
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	4/22/2015 10:25:53 PM	18786
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	4/22/2015 10:25:53 PM	18786
Sur: DNOP	99.4	57.9-140	%REC	1	4/22/2015 10:25:53 PM	18786
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	4/25/2015 1:26:47 AM	18803
Surr: BFB	89.8	80-120	%REC	1	4/25/2015 1:26:47 AM	18803
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.049	mg/Kg	1	4/23/2015 11:54:43 AM	18803
Toluene	ND	0.049	mg/Kg	1	4/23/2015 11:54:43 AM	18803
Ethylbenzene	ND	0.049	mg/Kg	1	4/23/2015 11:54:43 AM	18803
Xylenes, Total	ND	0.097	mg/Kg	1	4/23/2015 11:54:43 AM	18803
Surr: 4-Bromofluorobenzene	96.7	80-120	%REC	1	4/23/2015 11:54:43 AM	18803

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Metho	od Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysis	s exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 5 of 9
	0	RSD is greater than RSDlimit	Р	Sample pH Not In Range	I ugo C OI /
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Snike Recovery outside accepted recovery limits			

Analytical Report Lab Order 1504867

4/23/2015 12:23:30 PM 18803

Hall Environmental Analysis Laboratory, Inc.

Surr: 4-Bromofluorobenzene

Date Reported: 4/28/2015

CLIENT: Animas Environmental Servic Project: Marcus Compressor Station	es	Client Sample ID: SC-6 Collection Date: 4/20/2015 12:13:00 PM										
Lab ID: 1504867-006	Matrix:	SOIL		Received	Date: 4/2	21/2015 7:30:00 AM						
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch					
EPA METHOD 8015D: DIESEL RANGE	ORGANICS					Analyst	KJH					
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/22/2015 10:47:19 PM	18786					
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/22/2015 10:47:19 PM	18786					
Surr: DNOP	95.0	57.9-140		%REC	1	4/22/2015 10:47:19 PM	18786					
EPA METHOD 8015D: GASOLINE RAN	GE					Analyst	NSB					
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/25/2015 1:55:29 AM	18803					
Surr: BFB	91.2	80-120	i	%REC	1	4/25/2015 1:55:29 AM	18803					
EPA METHOD 8021B: VOLATILES						Analyst	NSB					
Benzene	ND	0.049)	mg/Kg	1	4/23/2015 12:23:30 PM	18803					
Toluene	ND	0.049	1	mg/Kg	1	4/23/2015 12:23:30 PM	18803					
Ethylbenzene	ND	0.049	1	mg/Kg	1	4/23/2015 12:23:30 PM	18803					
Xylenes, Total	ND	0.098		mg/Kg	1	4/23/2015 12:23:30 PM	18803					

80-120

%REC

1

99.1

Qualifiers: * Valu		Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Metho	od Blank
	Е	Value above quantitation range	Н	Holding times for preparation or analysis	s exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit	Page 6 of 9
	0	RSD is greater than RSDlimit	Р	Sample pH Not In Range	I uge o or y
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	Spike Recovery outside accepted recovery limits			

	Environmer Compressor									
Sample ID LCS-18786	SampT	ype: LC	S	Tes	tCode: E	PA Method	8015D: Dies	el Range (Organics	
Client ID: LCSS	Batch	ID: 18	786	F	RunNo: 2	5664				
Prep Date: 4/20/2015	Analysis D	ate: 4	/22/2015	S	SeqNo: 7	61215	Units: mg/H	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	95.9	67.8	130			
Surr: DNOP	5.3		5.000		107	57.9	140			
Sample ID MB-18786	SampT	ype: Mi	BLK	Tes	tCode: E	PA Method	8015D: Dies	el Range (Organics	
Client ID: PBS	Batch	ID: 18	786	F	RunNo: 2	5664				
Prep Date: 4/20/2015	Analysis D	ate: 4	/22/2015	S	SeqNo: 7	61222	Units: mg/H	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.8		10.00		87.6	57.9	140			

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 Not In Range
- RL Reporting Detection Limit

Page 7 of 9

WO#: 1504867

28-Apr-15

Client:	Animas	Environmental S	Services							
Project:	Marcus	Compressor Stat	tion							
Sample ID	MB-18803	SampType:	MBLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	0	
Client ID: I	PBS	Batch ID:	18803	F	RunNo: 2	5665				
Prep Date:	4/21/2015	Analysis Date:	4/22/2015	5	SeqNo: 7	61162	Units: mg/K	9		
Analyte		Result PQ	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	Organics (GRO)	ND 5	i.0							
Surr: BFB		850	1000		85.0	80	120			
Sample ID	LCS-18803	SampType:	LCS	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	6	
Client ID:	LCSS	Batch ID:	18803	F	RunNo: 2	5665				
Prep Date:	4/21/2015	Analysis Date:	4/22/2015	5	SeqNo: 7	61163	Units: mg/K	g		
Analyte		Result PQ	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	Organics (GRO)	25 5	5.0 25.00	0	99.6	64	130			
Sun: BFB		940	1000		94.4	80	120			
Sample ID	MB-18831	SampType:	MBLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	0	
Client ID:	PBS	Batch ID:	18831	F	RunNo: 2	5724				
Prep Date:	4/22/2015	Analysis Date:	4/24/2015	5	SeqNo: 7	63392	Units: %RE	С		
Analyte		Result PQ	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sun: BFB		910	1000		91.1	80	120			
Sample ID	LCS-18831	SampType:	LCS	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	9	
Client ID:	LCSS	Batch ID:	18831	F	RunNo: 2	5724				
Prep Date:	4/22/2015	Analysis Date:	4/24/2015	5	SeqNo: 7	63396	Units: %RE	С		
Analyte		Result PC	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		990	1000		98.9	80	120			

Qualifiers:

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

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28-Apr-15

WO#:	1504867
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28-Apr-15

	s Environmer s Compressor										
Sample ID MB-18803	SampT	ype: ME	BLK	TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch	ID: 18	803	F	tunNo: 2	5665					
Prep Date: 4/21/2015	Analysis D	ate: 4/	22/2015	S	eqNo: 7	61191	Units: mg/H	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	0.050									
oluene	ND	0.050									
thylbenzene	ND	0.050									
(ylenes, Total	ND	0.10									
Surr: 4-Bromofluorobenzene	0.92		1.000		92.1	80	120				
Sample ID LCS-18803	SampT	ype: LC	s	Tes	Code: E	PA Method	8021B: Vola	tiles			
Client ID: LCSS	Batch	ID: 18	803	F	RunNo: 2	5665					
Prep Date: 4/21/2015	Analysis D	ate: 4/	22/2015	S	SeqNo: 7	61192	Units: mg/H	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	1.1	0.050	1.000	0	106	76.6	128				
oluene	1.0	0.050	1.000	0	101	75	124				
thylbenzene	1.1	0.050	1.000	0	106	79.5	126				
(ylenes, Total	3.2	0.10	3.000	0	105	78.8	124				
Surr: 4-Bromofluorobenzene	1.0		1.000		100	80	120				

Qualifiers:

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

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HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

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

Sample Log-In Check List

Client Name: Anim	as Environmental	Work Order Number:	1504	887			RcptNo: 1
Received by/date:	An	allalis					
Logged By: Line	leay Mangin	4/21/2015 7:30:00 AM			0 yr	iller:	2
Completed By: Lind	isay Mangin	4/21/2015 10:14:47 AM			All	140)
Reviewed By:	as	01/21/15			1	0	
Chain of Custody	Com						
1. Custody seels inta-	t on sample bottles?		Yes	\square	No		Not Present
2. Is Chain of Custod	y complete?		Yes		No		Not Present
3. How was the samp	le delivered?		Cour	1al			
Log In							
4. Was an attempt m	ade to cool the sampl	86?	Yes		No		
5. Were all samples r	aceived at a temperat	ure of >0° C to 8.0°C	Yes		No		NA 🗌
6. Sample(s) in prope	r container(s)?		Yes		No		
7. Sufficient sample v	olume for indicated te	st(s)?	Yes		No		
8. Are samples (excep	ot VOA and ONG) pro	party preserved?	Yes		No		
9. Was preservative a	dded to bottles?		Yes		No	V	NA 🗌
10. VOA viais have zer	o headspace?		Yes		No	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	No VOA Viala
11. Were any sample of	containers received br	oken?	Yes		No		# of preserved bottles checked
12. Does paperwork m. (Note discrepancies	atch bottle labels? s on chain of custody)		Yes		No		for pH [.] (<2 or >12 unless not
13. Are matrices correc	tly identified on Chair	of Custody?	Yes		No		Adjusted?
14, le it clear what anal	yses were requested?	,	Yes		No		
15. Were all holding tin (If no, notify custom	nes able to be met? her for authorization.)		Yes		No		Checked by:
Special Handling (if applicable)						
16, Was client notified	of all discrepancies w	ith this order?	Yes	[]	No		NA 🗹
Person Notific	ed:	Date					
By Whom:	<u> </u>	Via:	eMs	nil 🗌	Phone	Fax	in Person
Regarding:							
Client Instruc							
17. Additional remarks							
18. Cooler Informatio	n mp °C Candition	Seal Intact Seal No S	Seal Dr	ite 1	Signed E	lv.	1
WWWWI ITW 10		Yes	stated and		wightered in	1	4

Chain-of-Custody Record	Turn-Around Time:							
lient: Animas Environmental Services	Standard	HALL ENVIRONMENTAL						
	Project Name:							
failing Address:	Magisting Station	www.hallenvironmental.com						
	Marcus Compressor Station Project #:	4901 Hawkins NE - Albuquerque, NM 87109						
04W Pinon St Formilytm, NM8740, hone #: 505-564-2281		Tel. 505-345-3975 Fax 505-345-4107						
Phone #: 509 - 509 - 2281		Analysis Request						
mail or Fax#: dowis@ animoserviramental.com	Project Manager:	+ TPH (Gas only) + TPH (Gas only) RO / DRO / MRO) 18.1) 04.1) 04.1) 03.NO2,PO4,SO4) 5 / 8082 PCB's A) Or N)						
)A/QC Package:	Emilee Skyles	B's (8021) 1 (Gas onl RO / MR(2. PCB's						
Standard D Level 4 (Full Validation)	Emili	DRO 02,PO						
Accreditation □ NELAP □ Other	Sampler: Dylan Davis On Ice: XYes INO	E + TPH E + TPH 5R0 / D 5R0 / D 504.1) 504.1) or 8270 or 8270 or 8270 or 8270 or 808 es / 808 es / 808						
EDD (Type)	Sample Temperature: 3,3							
		+ MTBE + MTBE 015B (GF Method 4 Method 5 (8310 or (8310 or (8310 or (8310 or (8310 or (100A) s (F,CI,N0A) s (F,CI,N0A) Semi-VO Semi-VO						
Date Time Matrix Sample Request ID	Container Preservative HEAL No.	BTEX + MTBE BTEX + MTBE TPH 8015B (GF TPH 8015B (GF TPH (Method 5 PAH's (8310 or RCRA 8 Metals 8081 Pesticides 8081 Pesticides 8260B (VOA) 8270 (Semi-VO						
Date Time Matrix Gample Request ID	Type and # Type	BTEX BTEX BTEX BTEX IPH (I TPH (I TPH (I TPH (I Anions 8081 F 8081 F 8081 F 8260B 8270 (
	1.504Ne+							
20/15 040 Sor 1 SC-1	402 Jor 6001 -001							
0/15 1045 Soil SE-2	-702							
1915 1106 Soil SC-3	-03							
10/15/128 501/ SC-4	$-\alpha \kappa ($							
20/15 1149 Soil SC-5	1 -175							
20/15 1213 Soil 5(-6								
Date: Time: Relinquished by:	Received by: Date Time	Remarks:						
20/15/1655 Dur D	Musta Walk 1/20/15 1659							
Date: Time: Relinquished by:	Received by: Date Time							
20/15 1841 Khriste Walter	V TA 14/2/15 0730)						

If necessary, samples 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.