3R-1024

Release Report/ General Correspondence

Elm Ridge Pipeline

Date: 2015



1

State of New Mexico Energy Minerals and Natural Resources

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

OIL CONS. DIV DIST. 3

SEP 28 2015 Form C-141 Revised August 8, 2011

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

Release Notification and Corrective Action

	OPERATOR		Initial Report	\boxtimes	Final Report
Name of Company Elm Ridge Exploration Co. LLC d.b.a.	Contact: Primary-Dianna Lee	330-2730	6 Secondary- A	lan Lai	in 486-0260
Beeline Gas Systems					
Address: 2001 E. Blanco Blvd. Bloomfield, NM 87413	Telephone No. 634-1144				
Facility Name: H-2	Facility Type: pipeline right of	f way			

Surface Owner Jicarilla

C

Mineral Owner: Jicarilla

API No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	32	T24N	R5W					

Latitude: N36.27293 Longitude: W-107.39186

NATURE OF RELEASE

Type of Release: crude oil, condensate and produced water from pipeline	Volume of Release: Unknown	Volume Recovered: n/a				
Source of Release: Pipeline Leak	Date and Hour of Occurrence unknown	Date and Hour of Discovery 9.10.15 2:00pm				
Was Immediate Notice Given?	If YES, To Whom? Cory Smith					
By Whom? Dianna Lee	Date and Hour: 9.11.15 11:30am					
Was a Watercourse Reached? Near Watercourse, extent TBD	If YES, Volume Impacting the Wa	itercourse.				
If a Watercourse was Impacted, Describe Fully.* Unknown at this time, release is near a watercourse, unable to determine e	extent of contamination until excavati	on is under way.				
Corroded pipeline resulted in release of liquids. Initial surface sampling w excavation.	as conducted followed by excavation	, composite sampling and closure of the				
Describe Area Affected and Cleanup Action Taken.* See attached report for full details. Initial surface sampling was conducted Approximately 20 yards of contamination was hauled off. Clean fill dirt w W-107.33844 is the location the backfill soil came from. Removal of corre-	followed by excavation, composite s as brought in from specified area req oded 4" steel pipe was completed and	campling and closure of the excavation. uested by Hobson Sandoval, N36.18567 it was replaced with 3" poly.				
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 not 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 do federal, state, or local laws and/or regulations.	the best of my knowledge and understate otifications and perform corrective accession of the second	and that pursuant to NMOCD rules and tions for releases which may endanger does not relieve the operator of liability ground water, surface water, human health sibility for compliance with any other				
	OIL CONSERV	ATION DIVISION				
Signature: Allama del		Ann I - P				
Printed Name: Dianna Lee	Approved by Environmental Specialis	II: CELM				
Title: Regulatory Administrator	Approval Date: 11/9/15	Expiration Date:				
E-mail Address: BeelineRegulatory@elmridge.net	Conditions of Approval: Attached					
Date: September 24, 2015 Phone: 505-330-2736						
Attach Additional Sheets If Necessary	, 153133494	105				

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

September 24, 2015 Emilee Skyles Animas Environmental Services 604 Pinon Street Farmington, NM 87401 TEL: (505) 564-2281 FAX (505) 324-2022

COPY

RE: Beeline AXI-H2 Pipeline Release

OrderNo.: 1509812

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 3 sample(s) on 9/17/2015 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 1509812

Date Reported: 9/24/2015

Hal	Envir	onmental	Anal	ysis	Labor	atory,	Inc.

CLIENT:	Animas Environmental Services	5		С	lient Samp	le ID: SC	-1	
Project:	Beeline AXI-H2 Pipeline Relea	se			Collection	Date: 9/1	6/2015 2:20:00 PM	
Lab ID:	1509812-001	Matrix:	SOIL		Received	Date: 9/1	7/2015 7:00:00 AM	
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANIC	s				Analyst	KJH
Diesel Ra	ange Organics (DRO)	ND	9.7		mg/Kg	1	9/22/2015 1:31:35 PM	21398
Surr: D	NOP	100	57.9-140		%REC	1	9/22/2015 1:31:35 PM	21398
EPA MET	HOD 8015D: GASOLINE RANG	E					Analyst	NSB
Gasoline	Range Organics (GRO)	ND	4.8		mg/Kg	1	9/19/2015 3:54:23 PM	21375
Surr: B	FB	86.0	75.4-113		%REC	1	9/19/2015 3:54:23 PM	21375
EPA MET	HOD 8021B: VOLATILES						Analyst	NSB
Benzene		ND	0.048		mg/Kg	1	9/19/2015 3:54:23 PM	21375
Toluene		ND	0.048		mg/Kg	1	9/19/2015 3:54:23 PM	21375
Ethylbenz	zene	ND	0.048		mg/Kg	1	9/19/2015 3:54:23 PM	21375
Xylenes,	Total	ND	0.095		mg/Kg	1	9/19/2015 3:54:23 PM	21375
Surr: 4	-Bromofluorobenzene	101	80-120		%REC	1	9/19/2015 3:54:23 PM	21375

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

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

Analytical Report

Lab Order 1509812

9/19/2015 5:10:38 PM

9/19/2015 5:10:38 PM

21375

21375

Date Reported: 9/24/2015

CLIENT:	Animas Environmental Ser	vices		Client Sampl	e ID: SC	2-2	
Project:	Beeline AXI-H2 Pipeline F	Release		Collection	Date: 9/1	6/2015 2:25:00 PM	
Lab ID:	1509812-002	Matrix:	SOIL	Received	Date: 9/1	7/2015 7:00:00 AM	
Analyses		Result	RL Qu	ual Units	DF	Date Analyzed	Batch
EPA MET	HOD 8015M/D: DIESEL RA	NGE ORGANIC	S			Analyst	: KJH
Diesel Ra	ange Organics (DRO)	ND	10	mg/Kg	1	9/22/2015 1:53:07 PM	21398
Surr: D	DNOP	94.2	57.9-140	%REC	1	9/22/2015 1:53:07 PM	21398
EPA MET	HOD 8015D: GASOLINE R	ANGE				Analyst	NSB
Gasoline	Range Organics (GRO)	ND	5.0	mg/Kg	1	9/19/2015 5:10:38 PM	21375
Surr: E	BFB	87.2	75.4-113	%REC	1	9/19/2015 5:10:38 PM	21375
EPA MET	HOD 8021B: VOLATILES					Analyst	NSB
Benzene		ND	0.050	mg/Kg	1	9/19/2015 5:10:38 PM	21375
Toluene		ND	0.050	mg/Kg	1	9/19/2015 5:10:38 PM	21375
Ethylbenz	zene	ND	0.050	mg/Kg	1	9/19/2015 5:10:38 PM	21375

0.10

80-120

mg/Kg

%REC

1

ND

102

Hall Environmental Analysis Laboratory, Inc.

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

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~ ~	444			÷		
~						

*

Xylenes, Total

Surr: 4-Bromofluorobenzene

- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded Н

Value exceeds Maximum Contaminant Level.

- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank В
- E Value above quantitation range
- Analyte detected below quantitation limits J Page 2 of 6
- Р Sample pH Not In Range
- RL Reporting Detection Limit

Analytical Report

Lab Order 1509812

Date Reported: 9/24/2015

CLIENT: Animas Environmental Servi	ces		Cli	ent Samp	le ID: SC	2-3	
Project: Beeline AXI-H2 Pipeline Rel	lease		C	ollection	Date: 9/1	6/2015 2:30:00 PM	
Lab ID: 1509812-003	Matrix:	SOIL		Received	Date: 9/1	7/2015 7:00:00 AM	
Analyses	Result	RL	Qual U	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANIC	s				Analyst	KJH
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/22/2015 2:14:33 PM	21398
Surr: DNOP	92.6	57.9-140		%REC	1	9/22/2015 2:14:33 PM	21398
EPA METHOD 8015D: GASOLINE RAI	NGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/19/2015 5:36:01 PM	21375
Surr: BFB	86.1	75.4-113		%REC	1	9/19/2015 5:36:01 PM	21375
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.049		mg/Kg	1	9/19/2015 5:36:01 PM	21375
Toluene	ND	0.049		mg/Kg	1	9/19/2015 5:36:01 PM	21375
Ethylbenzene	ND	0.049		mg/Kg	1	9/19/2015 5:36:01 PM	21375
Xylenes, Total	ND	0.098		mg/Kg	1	9/19/2015 5:36:01 PM	21375
Surr: 4-Bromofluorobenzene	100	80-120		%REC	1	9/19/2015 5:36:01 PM	21375

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

Qualifiers: Value exceeds Maximum Contaminant Level. *

	value exceeds ivitaxinitatii Containiniant i
D	Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

Hall Environmental Analysis Laboratory, Inc.

- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits J Page 3 of 6
- Sample pH Not In Range Р
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

Client: Ani Project: Bee	mas Environmental line AXI-H2 Pipeli	Services ne Release							
Sample ID MB-21398 Client ID: PBS Prep Date: 9/21/2015	SampType Batch ID Analysis Date	MBLK 21398 9/22/2015	Tes F	tCode: El RunNo: 2 SeqNo: 8	PA Method 9014 80362	8015M/D: Die Units: mg/K	sel Rang	e Organics	
Analyte	Result P	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO) Surr: DNOP	ND 10	10 10.00		105	57.9	140			
Sample ID LCS-21398 Client ID: LCSS	SampType Batch ID:	: LCS 21398	TestCode: EPA Method 8015M/D: Diesel Range Org RunNo: 29014					e Organics	
Prep Date: 9/21/2015	Analysis Date:	9/22/2015	S	SeqNo: 8	80365	Units: mg/K	g		
Analyte	Result P	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	10 50.00	0	82.2	57.4	139			
Surr: DNOP	4.7	5.000		94.3	57.9	140			

Qualifiers:

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

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WO#: 1509812 24-Sep-15

Hall Environmental Analysis Laboratory, Inc.

Client: Project:	Animas E Beeline A	Environme XI-H2 Pi	ntal Ser peline l	rvices Release							
Sample ID	MB-21375	SampT	ype: M	BLK	Tes	tCode: El	PA Method	8015D: Gase	oline Rang	le	
Client ID:	PBS	Batch	n ID: 21	375	F	RunNo: 2	9002				
Prep Date:	9/18/2015	Analysis D	ate: 9	/19/2015	S	SeqNo: 8	79852	Units: mg/k	۲g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	ND	5.0								
Surr: BFB	C	860		1000		85.6	75.4	113			
Sample ID	LCS-21375	SampT	ype: LO	CS	Tes	tCode: El	PA Method	8015D: Gase	oline Rang	e	
Client ID:	LCSS	Batch	1D: 21	375	F	RunNo: 2	9002				
Prep Date:	9/18/2015	Analysis D	ate: 9	/19/2015	S	eqNo: 8	79853	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	23	5.0	25.00	0	93.8	79.6	122			
Surr: BFB		970		1000		97.3	75.4	113			
Sample ID	1509812-001AMS	SampT	ype: M	s	Tes	Code: EF	PA Method	8015D: Gaso	oline Rang	e	
Client ID:	SC-1	Batch	ID: 21	375	F	unNo: 2	9002				
Prep Date:	9/18/2015	Analysis D	ate: 9	/19/2015	S	eqNo: 87	79857	Units: mg/h	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	23	4.7	23.61	0	99.3	62.5	151			
Surr: BFB		940		944.3		99.7	75.4	113	_		
Sample ID	1509812-001AMSE	SampT	ype: M	SD	Tes	Code: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID:	SC-1	Batch	ID: 21	375	R	unNo: 29	9002				
Prep Date:	9/18/2015	Analysis D	ate: 9	/19/2015	S	eqNo: 87	79858	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	23	4.6	22.91	0	100	62.5	151	1.89	22.1	
Surr: BFB		890		916.6		97.5	75.4	113	0	0	

Qualifiers:

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

Page 5 of 6

WO#: 1509812 24-Sep-15

Hall	Environmental	Analysis	Laboratory,	Inc.

Client: Anin Project: Bee	mas Environme line AXI-H2 Pi	ental Ser ipeline F	vices Release							
Sample ID MB-21375	Samp	Type: MI	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batc	h ID: 21	375	F	RunNo: 2	9002				
Prep Date: 9/18/2015	Analysis I	Date: 9/	/19/2015	5	SeqNo: 8	79863	Units: mg/h	٢g		
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		98.9	80	120			
Sample ID LCS-21375	Samp	Type: LC	s	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batc	h ID: 21	375	F	RunNo: 2	9002				
Prep Date: 9/18/2015	Analysis [Date: 9/	19/2015	S	SeqNo: 8	79864	Units: mg/H	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.050	1.000	0	94.9	80	120			
Toluene	0.96	0.050	1.000	0	95.9	80	120			
Ethylbenzene	0.96	0.050	1.000	0	95.6	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.7	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		109	80	120			

Qualifiers:

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

Page 6 of 6

WO#: 1509812 24-Sep-15

Client Name: Animas Environmental Work Order Number: 1509812 Repth: 1 Received by/date:	HALL ENVIRONMENTAL ANALYSIS LABORATORY	TEL: 505-345-39 Website: www.	4901 Hawkin 4901 Hawkin Ibuquerque, NM 83 75 FAX: 505-345-4 hallenvironmental	s NE 7109 Sam 4107 .com	ple Log-In Ch	eck List
Received byldate: LDD_09//7///5 Logged By: Anne Thome 9/17/2015 Completed By: Anne Thome 9/17/2015 Reviewed By: Anne Thome 9/17/2015 Chain of Custody Anne Thome 9/17/2015 1. Custody seals intact on sample bottles? Yes No Not Present 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? Courtier Courtier No NA 5. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA 6. Sample(s) in proper container(s)? Yes No NA 9. Was preservative added to bottles? Yes No NA 10. VOA valia have zero headspace? Yes No NA If or preserved 11. Were all hading times able to bottles? Yes No Adjuster? Adjuster? 10. VOA valia have zero headspace? Yes No If or preserved bottles checked 12. Does papenvork match bottle labels? Yes	Client Name: Animas Environmental	Work Order Numbe	er: 1509812		RcptNo:	
Logged By: Anne Thome 9/17/2015 7:00:00 AM Gave. Jule Completed By: Anne Thome 9/17/2015 Gave. Jule Reviewed By: 9/17/2015 Gave. Jule Chain of Custody 9/17/2015 Gave. Jule 1. Cutody sees index 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 NA 6 6. Sample(s) in proper containar(si)? Yes No NA 9 9. Was preservative added to bottles? Yes No NA 9 10. VOA valis have zoro headspace? Yes No NA 9 11. Were all valisheave correctly identified on Chain of Custody? Yes No Adjusted? 4 11. Were all valish appersover match bottle label? Yes No Adjusted? 4 4 4 1 12. Does papenyorix match bottle la	Received by/date: CM 09/17	15				
Completed By: Anne Trans 9/17/2015 Annu Anne Trans Reviewed By: All 16 115 Annu Anne Trans All 16 115 Chain of Custody 1. Custody assis intact on sample bottles? Yes No Not Present 1. Custody assis intact on sample delivered? Yes No Not Present Not Present 2. Is Chain of Custody complete? Yes No Not Present Not Present 3. How was the sample delivered? Courier Courier No NA 4. Was an attempt made to cool the samples? Yes No NA 5. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA 6. Sample(a) in proper container(s)? Yes No NA 7. Sufficient sample volume for indicated test(s)? Yes No NA 9. Was presentaive added to bottles? Yes No No No 10. VOA viais have zero headspace? Yes No Ma (12. Does paperwork match bottle label? Yes No Ma (13. Are matrice on chain of custody? Yes No Checked by: (Logged By: Anne Thorne	9/17/2015 7:00:00 AI	M	anne Hom	_	
Reviewed By: OA 113 115 Chain of Custody	Completed By: Anne Thorne	9/17/2015		anne Ilm	_	
Chain of Custody V 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 Loc In 4. Was an attempt made to cool the samples? Yes No NA 5. Ware all samples received at a temperature of >0° C to 6.0°C Yes No NA 6. Sample(s) in proper container(s)? Yes No NA 7. Sufficient sample volume for indicated test(s)? Yes No NA 8. Are samples (except VOA and ONG) properly preserved? Yes No NA 9. Was preservative added to bottles? Yes No NA 10. VOA vials have zero headspace? Yes No If or preserved bottles checked? 11. Were any sample containers received broken? Yes No If or preserved? 12. Does papework match bottle labels? Yes No If or preserved? 13. Are matrices correctly identified on Chain of Custody? Yes No Idjusted? 14. Is tclear what analyses were requested? Yes No Idecked by:	Reviewed By:	09/18/15				
1. Custody seals intact on sample bottles? Yes No Not Present If 2. Is Chain of Custody complets? Yes No Not Present If 3. How was the sample delivered? Courier Loa 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 8.0°C Yes No NA 6. Sample(s) in proper container(s)? Yes No NA 7. Sufficient sample volume for indicated test(s)? Yes No NA 8. Are samples (except VOA and ONG) properly preserved? Yes No NA 9. Was preservative added to bottles? Yes No NA In 10. VOA vials have zero headspace? Yes No If of preserved bottles chocked? for pht: 14. Is to ear what analyses were requested? Yes No Ide of preserved bottles for the times anoted? 13. Are matrice correctly identified on Chain of Custody? Yes No Ide of preserved bottles for the times anoted? 14. Is to ear what analyses were requested? Yes No Ideoted bottles bottles? 15. Were all holding times able to be met? Yes No <td>Chain of Custody</td> <td></td> <td></td> <td></td> <td></td> <td></td>	Chain of Custody					
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 NA 6. Sample(a) in proper container(s)? Yes No NA 7. Sufficient sample volume for indicated test(s)? Yes No NA 8. Are samples (except VOA and ONG) properly preserved? Yes No NA 9. Was preservative added to bottles? Yes No NA 10. VOA viais have zero headspace? Yes No No VA 11. Were any sample containers received broken? Yes No If of preserved bottles for PH: ((<2 or >12 unless noted) 13. Are matrices correctly identified on Chain of Custody? Yes No Identified of all discrepancies on chain of custody? Yes No 15. Were all holding times able to be met? Yes No Identified of all discrepancies with this order? Yes No Identified of all discrepancies with this order? Yes No Identified of all discrepanci	1. Custody seals intact on sample bottles?		Yes	No 🗌	Not Present 🗹	
3. How was the sample delivered? Courter Loa In 4. Was an attempt made to cool the samples? Yes Ø No NA 5. Were all samples recolved at a temperature of >0° C to 6.0°C Yes Ø No NA 6. Sample(s) in proper container(s)? Yes Ø No NA 7. Sufficient sample volume for indicated test(s)? Yes Ø No A 8. Are samples (except VOA and ONG) properly preserved? Yes Ø No 9 9. Was preservative added to bottles? Yes Ø No Na 10. VOA viais Ave zero heedspace? Yes Ø No Wo VOA Viais Ø 10. VOA viais have zero heedspace? Yes Ø No If of preserved bottle elociced for preserved 12. Does paperwork match bottle iabels? Yes Ø No If of preserved Vo Adjustel? If of preserved 13. Are maticos correctly identified on Chain of Custody? Yes Ø No If of preserved If of preserved <td>2. Is Chain of Custody complete?</td> <td></td> <td>Yes 🗹</td> <td>No 🗌</td> <td>Not Present</td> <td></td>	2. Is Chain of Custody complete?		Yes 🗹	No 🗌	Not Present	
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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.

State of New Mexico Energy Minerals and Natural Resources

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

OIL CONS. DIV DIST. 3

SEP 28 2015 Revised August 8, 2011 Form C-141

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

Release Notification and Corrective Action

	OPERATOR	\boxtimes	Initial Report		Final Report
Name of Company Elm Ridge Exploration Co. LLC d.b.a.	Contact: Primary-Dianna Lee	330-273	6 Secondary- A	lan La	in 486-0260
Beeline Gas Systems					
Address: 2001 E. Blanco Blvd. Bloomfield, NM 87413	Telephone No. 634-1144				
Facility Name: H-2	Facility Type: pipeline right o	f way			

Surface Owner Jicarilla

m

4C

Mineral Owner: Jicarilla

API No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	18	29W	5W					

Latitude: N36.7293 Longitude: W107.39187

NATURE OF RELEASE ningling Valuma of Dalagas, Unlugan

Type of Release: crude oil, condensate and produced water from pipeline	Volume of Release: Unknown	Volume Recovered: n/a						
Source of Release: Pipeline Leak	Date and Hour of Occurrence Date and Hour of Discovery							
	unknown	9.10.15 2:00pm						
Was Immediate Notice Given?	If YES, To Whom?							
Yes No Not Required	Cory Smith							
By Whom? Dianna Lee	Date and Hour: 9.11.15 11:30am							
Was a Watercourse Reached?	If YES, Volume Impacting the Wate	ercourse.						
Near Watercourse, extent TBD 🗌 Yes 🛛 No								
If a Watercourse was Impacted, Describe Fully.*								
Unknown at this time, release is near a watercourse, unable to determine e	xtent of contamination until excavatio	n is under way.						
Describe Cause of Problem and Remedial Action Taken.*								
Unknown at this time								
Describe Area Affected and Cleanup Action Taken.* TBD								
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 not 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 do federal, state, or local laws and/or regulations.	e best of my knowledge and understar otifications and perform corrective acti NMOCD marked as "Final Report" d contamination that pose a threat to gr bes not relieve the operator of responsi	nd that pursuant to NMOCD rules and ions for releases which may endanger oes not relieve the operator of liability ound water, surface water, human health bility for compliance with any other						
Signature: Mianna Lee	OIL CONSERV	ATION DIVISION						
Printed Name: Dianna Lee	Approved by Environmental Specialist	any M						
Title: Regulatory Administrator	Approval Date: $1/9/15$ H	Expiration Date:						
E-mail Address: BeelineRegulatory@elmridge.net	Conditions of Approval:	Attached						
Date: September 11, 2015 Phone: 505-330-2736								
Attach Additional Sheats If Nacessary								

NCS 1531334905

R

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.

API No.

	Santa Fe,	NM	8/505	
elease	Notification	and	Corrective	Action

	OPERATOR		Initial Report	\boxtimes	Final Report
Name of Company Elm Ridge Exploration Co. LLC d.b.a.	Contact: Primary-Dianna Lee 3	30-2736	Secondary- A	Alan Lai	in 486-0260
Beeline Gas Systems					
Address: 2001 E. Blanco Blvd. Bloomfield, NM 87413	Telephone No. 634-1144				
Facility Name: H-2	Facility Type: pipeline right of	way			

Surface Owner Jicarilla

1

LOCATION OF RELEASE

Mineral Owner: Jicarilla

	LOCITION OF RELEASE									
Unit Letter	Section 32	Township T24N	Range R5W	Feet from the	North/South Line	Feet from the	East/West Line County			

Latitude: N36.27293 Longitude: W-107.39186

DEC 11 2015

NATURE OF RELEASE

Type of Release: crude oil, condensate and produced water from pipeline	Volume of Release: Unknown Volume Recovered: n/a			
Source of Release: Pipeline Leak	Date and Hour of Occurrence	Date and Hour of Discovery		
	unknown	9.10.15 2:00pm		
Was Immediate Notice Given?	If YES, To Whom?			
Yes No Not Required	Cory Smith			
By Whom? Dianna Lee	Date and Hour: 9.11.15 11:30am			
Was a Watercourse Reached?	If YES, Volume Impacting the Wa	tercourse.		
Near Watercourse, extent TBD 🗌 Yes 🛛 No				
If a Watercourse was Impacted, Describe Fully.*				

Unknown at this time, release is near a watercourse, unable to determine extent of contamination until excavation is under way.

Describe Cause of Problem and Remedial Action Taken.*

Corroded pipeline resulted in release of liquids. Initial surface sampling was conducted followed by excavation, composite sampling and closure of the excavation.

Describe Area Affected and Cleanup Action Taken.*

See attached report for full details. Initial surface sampling was conducted followed by excavation, composite sampling and closure of the excavation. Approximately 20 yards of contamination was hauled off. Clean fill dirt was brought in from specified area requested by Hobson Sandoval, N36.18567 W-107.33844 is the location the backfill soil came from. Removal of corroded 4" steel pipe was completed and it was replaced with 3" poly.

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: Mianna Lee	OIL CONSERVATION DIVISION
Printed Name: Dianna Lee	Approved by Environmental Specialist
Title: Regulatory Administrator	Approval Date: 230205 Expiration Date:
E-mail Address: BeelineRegulatory@elmridge.net	Conditions of Approval: Attached
Date: September 24, 2015 Phone: 505-330-2736	
Attach Additional Sheets If Necessary	NUF1536436941

Animas Environmental Services, LLC



November 23, 2015

COPY

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: Release Assessment and Final Excavation Report AXI-H2 Pipeline Release NW¼ NW¼, Section 32, T24N, R5W Rio Arriba County, New Mexico

Dear Ms. Lee:

On September 10 and September 16, 2015, Animas Environmental Services, LLC (AES) completed an initial release assessment and environmental clearance of the final excavation limits at the Beeline Gas Systems (Beeline) AXI-H2 Pipeline release location, located in Rio Arriba County, New Mexico. The release was associated with a corrosion hole in the pipeline. The initial release assessment was completed by AES on September 10, 2015, and the final excavation was completed prior to AES' arrival at the location on September 16, 2015.

1.0 Site Information

1.1 Location

Site Name – AXI-H2 Pipeline Location – NW¼ NW¼, Section 32, T24N, R5W, Rio Arriba County, New Mexico Latitude/Longitude – N36.27290 and W107.39182, respectively Surface Owner – Jicarilla Apache Nation Figure 1. Topographic Site Location Map Figure 2. Aerial Site Map, September 2015

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

> 1911 Main, Ste 280 Durango, CO 81301 970-403-3084

www.animasenvironmental.com

Dianna Lee AXI-H2 Pipeline Release Assessment and Final Excavation Report November 23, 2015 Page 2 of 6

1.2 Risk Ranking

1.2.1 JANOGA Action Levels

The Beeline AXI-H2 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 1993). Per JANOGA, all locations within Jicarilla Apache Nation lands receive a ranking score of 20, which includes the following action levels:

- 100 parts per million (ppm) volatile organic compounds (VOCs), or 10 mg/kg benzene and 50 mg/kg total benzene, toluene, ethylbenzene, and xylene (BTEX); and
- 100 mg/kg total petroleum hydrocarbons (TPH).

1.2.2 Surface and Groundwater

The AXI-H2 Pipeline release location occurred 336 feet east of Gallo Canyon wash which ultimately discharges into Cañon Largo. Based on elevation, topographic interpretation and visual reconnaissance, depth to groundwater is interpreted to be less than 50 feet below ground surface (bgs).

1.3 Assessment

AES was initially contacted by Dianna Lee of Beeline Gas Systems on September 10, 2015, and on the same day, Corwin Lameman of AES completed the release assessment field work. The assessment included collection and field sampling of two soil samples from two discrete locations in and around the release area. Based on field sampling results, AES recommended excavation of the release area. Sample locations are shown on Figure 2.

On September 16, 2015, AES returned to the location to collect confirmation soil samples of the excavation. The field sampling activities included collection of three confirmation composite soil samples (SC-1 through SC-3) from the walls and base of the excavation. The area of the final excavation measured approximately 19 feet by 15 feet by 5.5 feet in depth. Sample locations and final excavation extents are presented on Figure 3.

2.0 Soil Sampling

A total of five soil samples consisting of two discrete soil samples (S-1 and S-2) and three composite samples (SC-1 through SC-3) were collected during the assessments. All soil samples were field screened for VOCs and TPH. The three composite samples (SC-1

Dianna Lee AXI-H2 Pipeline Release Assessment and Final Excavation Report November 23, 2015 Page 3 of 6

through SC-3) collected during the excavation clearance 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 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 were placed into new, clean, laboratorysupplied 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. All soil samples were laboratory analyzed for:

- Benzene, toluene, ethylbenzene, and xylene (BTEX) per USEPA Method 8021B; and
- TPH for gasoline range organics (GRO) and diesel range organics (DRO) per USEPA Method 8015D.

2.3 Field Screening and Laboratory Analytical Results

On September 10, 2015, initial assessment field screening results for VOCs via OVM showed concentrations ranging from 144 ppm in S-1 up to 605 ppm in S-2. Field TPH concentrations ranged from 97.5 mg/kg in S-1 up to 210 mg/kg in S-2.

On September 16, 2015, final excavation field screening results for VOCs via OVM ranged from 0.0 ppm in SC-1 and SC-2 up to 2.0 ppm in SC-3. Field TPH concentrations ranged from 57.2 mg/kg in SC-3 up to 60.6 mg/kg in SC-1. Results are included below in Table 1, and locations are shown on Figures 2 and 3. The AES Field Sampling Reports are attached.

Dianna Lee AXI-H2 Pipeline Release Assessment and Final Excavation Report November 23, 2015 Page 4 of 6

Sample ID	Date Sampled	Sample Depth (ft bgs)	VOCs via OVM (ppm)	TPH 418.1 (mg/kg)
JANOGA	Action Level*		100	100
S-1	9/10/15	Surface	144	97.5
S-2	9/10/15	Surface	605	210
SC-1	9/16/15	0 to 5.5	0.0	60.6
SC-2	9/16/15	0 to 5.5	0.0	58.9
SC-3	9/16/15	5.5	2.0	57.2

Table 1. Soil Field Screening VOC and TPH Results Beeline AXI-H2 Pipeline Release Assessment and Final Excavation

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

Laboratory analyses for SC-1 through SC-3 were used to confirm field sampling results from the final excavation. Benzene, total BTEX, and TPH (as GRO/DRO) concentrations were all reported below laboratory detection limits. Results are presented in Table 2 and on Figure 3. The laboratory analytical report is attached.

Table 2. Soil Laboratory Analytical Results – Benzene, Total BTEX, and TPH Beeline AXI-H2 Pipeline Release Assessment and Final Excavation September 2015

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	9/16/15	0 to 5.5	<0.048	<0.239	<4.8	<9.7
SC-2	9/16/15	0 to 5.5	<0.050	<0.250	<5.0	<10
SC-3	9/16/15	5.5	< 0.049	<0.245	<4.9	<9.6

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

3.0 Conclusions and Recommendations

On September 10 and 16, 2015, AES completed an assessment and excavation clearance at the Beeline AXI-H2 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).

Initial assessment field sampling results above the JANOGA action level of 100 ppm VOCs were reported in S-1 and S-2, while results above 100 mg/kg TPH were only reported in S-2. The highest VOC concentration was reported in S-2 with 605 ppm, and the highest TPH concentration was also reported in S-2 with 210 mg/kg.

On September 16, 2015, final excavation of the impacted area was completed. Field sampling results of the excavation extents showed that VOC and TPH concentrations were below applicable JANOGA action levels for the final walls and base of the excavation. Laboratory analytical results reported benzene, total BTEX, and TPH concentrations as GRO/DRO also below JANOGA action levels in SC-1 through SC-3.

Based on final field sampling and laboratory analytical results of the excavation of petroleum contaminated soils at the AXI-H2 Pipeline Release, VOCs, benzene, total BTEX, and TPH concentrations were below applicable JANOGA 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 Emilee Skyles at (505) 564-2281.

Sincerely,

Delilah J. Dongi

Delilah T. Dougi Environmental Technician

Sich Sy L

Emilee Skyles Geologist/Project Lead

Elizabeth o Mendly

Elizabeth McNally, P.E.

Dianna Lee AXI-H2 Pipeline Release Assessment and Final Excavation Report November 23, 2015 Page 6 of 6

Attachments:

Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Map and Initial Sample Locations and Results, September 2015

Figure 3. Final Excavation Sample Locations and Results, September 2015

AES Field Sampling Report 091015

AES Field Sampling Report 091615

Hall Laboratory Analytical Report 1509812

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							LEGEND SAMPLE LOCAT BURIED PIPELIN (APPROXIMATE	TION NE E)
S 10 100		Field Sampling R	esults	_				1
	Sample ID	Date Depth (ft)	OVM- PID (ppm)	TPH (mg/kg)			A	*
	JAN	OGA ACTION LEVEL	100	100	1989.6		AL NOT ST	
	S-1	9/10/15 Surface	144	97.5		12-2912-23		30.9
	5-2	9/10/15 Surface	605	210				and the second
EL MORAL S			D.C.	The area	1 8 M	· · · ·		
Contraction in the	A Trange Car	RELEASE LOO	CATION	States		199-4-	S Water and	1 443
	a and the se	N36.27290, W107	.39182	des me	20000	SERVI	CE ROAD	199
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SERVICE ROAD	and the second se		Actes in and	-1	- C		· · ·	- q
		Dog PP	LEG P	<u>с</u> 5-1 р		P	SERVICE ROAD	ELINE
-B-B-	-P ZP				Con 1			2
	PIPELINE	7 - 9 m 2	1.40	and and		and the second	a a a	1
Call Barris				2.14		20-19-3		
1.5 M		and a set		- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	4.44	ere the	Say the deal	-
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and the second		and the	1.00	-		5710		22
SCALE								1. C.S.
40 20 0	40		124		1.30			35
10 (1 INCH = 40	FEET)					-		22
		A AERIAL SOURCE:	2014 GOO	DATE DRAM	AERIAL DATE: J	UNE 24, 2014.	XIII AFREAMS.A+6	and the
	nimac	D. Doug	gi S	September 14,	2015	FI	GURE 2	
a e	nvironment	al D. Doug	BY:	DATE REVISI	ED: 2015	AERIAL SIT	E MAP AND INITIAL ATIONS AND RESULTS	
AES C S	ervices	CHECKED	BY:	DATE CHECK	ED:	SEPT	EMBER 2015 NE GAS SYSTEMS	
Far ani	masenvironmental.com	APPROVED	BY:	DATE APPROV	VED:	NW1/4 NW1/4,	SECTION 32, T24N, R5W	
		E. McNa	lly	October 27, 2	015	N36.27	290, W107.39182	_



AES Field Sampling Report

Animas Environmental Services.uc



Client: Beeline Gas Systems

Project Location: AXI-H2 Pipeline Release

Date: 9/10/2015

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
S-1	9/10/2015	13:19	144	97.5	15:40	20.0	1	CL
S-2	9/10/2015	13:20	605	210	15:43	20.0	1	CL

DF Dilution Factor NA Not Analyzed

PQL Practical Quantitation Limit

*Field TPH concentrations recorded may be below PQL.

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst: Coi h

AES Field Sampling Report

Animas Environmental Services, LLC



Client: Beeline Gas Systems

Project Location: AXI-H2 Pipeline Release

Date: 9/16/2015

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	9/16/2015	14:20	North and West Wall	0.0	60.6	14:59	20.0	1	CL
SC-2	9/16/2015	14:25	South and East Wall	0.0	58.9	15:02	20.0	1	CL
SC-3	9/16/2015	14:30	Base	2.0	57.2	15:05	20.0	1	CL

DF Dilution Factor

NA Not Analyzed

PQL Practical Quantitation Limit

*TPH concentrations recorded may be below PQL.

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst: Coi h

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

September 24, 2015

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

RE: Beeline AXI-H2 Pipeline Release

OrderNo.: 1509812

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 3 sample(s) on 9/17/2015 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 1509812

Date Reported: 9/24/2015

Hall Environmental Analysis Laboratory, Inc.

Analyses		Result	RL Qual	Units	DF Date Analyzed	В	
Lab ID:	1509812-001	Matrix:	SOIL	Received	Date: 9/17/2015 7:00:00 AM		
Project:	Beeline AXI-H2 Pipeline	Release		Collection	Date: 9/16/2015 2:20:00 PM		
CLIENT:	Animas Environmental Se	ervices	(Client Sample ID: SC-1			

Analyses	Result	RL	Qual U	nits	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANG	E ORGANIC	S				Analyst	KJH
Diesel Range Organics (DRO)	ND	9.7	r	mg/Kg	1	9/22/2015 1:31:35 PM	21398
Surr: DNOP	100	57.9-140		%REC	1	9/22/2015 1:31:35 PM	21398
EPA METHOD 8015D: GASOLINE RAN	GE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.8	ſ	ng/Kg	1	9/19/2015 3:54:23 PM	21375
Surr: BFB	86.0	75.4-113		%REC	1	9/19/2015 3:54:23 PM	21375
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.048	r	ng/Kg	1	9/19/2015 3:54:23 PM	21375
Toluene	ND	0.048	r	ng/Kg	1	9/19/2015 3:54:23 PM	21375
Ethylbenzene	ND	0.048	r	ng/Kg	1	9/19/2015 3:54:23 PM	21375
Xylenes, Total	ND	0.095	r	ng/Kg	1	9/19/2015 3:54:23 PM	21375
Surr: 4-Bromofluorobenzene	101	80-120	9	%REC	1	9/19/2015 3:54:23 PM	21375

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

Qualifiers:

*

- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded

Value exceeds Maximum Contaminant Level.

- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 6
- P Sample pH Not In Range
- RL Reporting Detection Limit

Analytical Report Lab Order 1509812

Date Reported: 9/24/2015

Hall Environmental Analysis Laboratory, Inc.

Analyses		Damlt	DI	Onal Units	DE Data Analyzed	Datah
Lab ID:	1509812-002	Matrix:	SOIL	Received	Date: 9/17/2015 7:00:00 AM	
Project:	Beeline AXI-H2 Pipelin	e Release		Collection	Date: 9/16/2015 2:25:00 PM	
CLIENT:	Animas Environmental	Services		Client Sam	ple ID: SC-2	

Result	KL Qu	ai Units	DI	Date Analyzeu	Daten
IGE ORGANIC	s			Analys	t: KJH
ND	10	mg/Kg	1	9/22/2015 1:53:07 PM	21398
94.2	57.9-140	%REC	1	9/22/2015 1:53:07 PM	21398
NGE				Analys	NSB
ND	5.0	mg/Kg	1	9/19/2015 5:10:38 PM	21375
87.2	75.4-113	%REC	1	9/19/2015 5:10:38 PM	21375
				Analys	NSB
ND	0.050	mg/Kg	1	9/19/2015 5:10:38 PM	21375
ND	0.050	mg/Kg	1	9/19/2015 5:10:38 PM	21375
ND	0.050	mg/Kg	1	9/19/2015 5:10:38 PM	21375
ND	0.10	mg/Kg	1	9/19/2015 5:10:38 PM	21375
102	80-120	%REC	1	9/19/2015 5:10:38 PM	21375
	IGE ORGANIC ND 94.2 NGE ND 87.2 ND ND ND ND ND ND 102	ND 10 94.2 57.9-140 NGE ND 5.0 87.2 75.4-113 ND 0.050 ND 0.050 ND 0.050 ND 0.10 102 80-120	ND 10 mg/Kg 94.2 57.9-140 %REC NGE ND 5.0 mg/Kg 87.2 75.4-113 %REC ND 0.050 mg/Kg ND 0.10 mg/Kg 102 80-120 %REC	IGE ORGANICS ND 10 mg/Kg 1 94.2 57.9-140 %REC 1 NGE ND 5.0 mg/Kg 1 87.2 75.4-113 %REC 1 ND 0.050 mg/Kg 1 ND 0.10 mg/Kg 1 ND 0.10 mg/Kg 1 102 80-120 %REC 1	IGE ORGANICS Analysis ND 10 mg/Kg 1 9/22/2015 1:53:07 PM 94.2 57.9-140 %REC 1 9/22/2015 1:53:07 PM NGE Analysis ND 5.0 mg/Kg 1 9/19/2015 5:10:38 PM 87.2 75.4-113 %REC 1 9/19/2015 5:10:38 PM ND 0.050 mg/Kg 1 9/19/2015 5:10:38 PM ND 0.10 mg/Kg 1 9/19/2015 5:10:38 PM ND 0.10 mg/Kg 1 9/19/2015 5:10:38 PM ND 0.10 mg/Kg 1 9/19/2015 5:10:38 PM ND 0.10

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

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- Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 2 of 6
- P Sample pH Not In Range
- RL Reporting Detection Limit

Analytical Report Lab Order 1509812

Date Reported: 9/24/2015

Hall Environmental Analysis Laboratory, Inc.

 CLIENT: Animas Environmental Services
 Client Sample ID: SC-3

 Project: Beeline AXI-H2 Pipeline Release
 Collection Date: 9/16/2015 2:30:00 PM

 Lab ID:
 1509812-003
 Matrix: SOIL
 Received Date: 9/17/2015 7:00:00 AM

Analyses	Result	KL Qu	al Units	DF	Date Analyzeu	Daten
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANIC	S			Analys	t: KJH
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	9/22/2015 2:14:33 PM	21398
Surr: DNOP	92.6	57.9-140	%REC	1	9/22/2015 2:14:33 PM	21398
EPA METHOD 8015D: GASOLINE RAN	NGE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/19/2015 5:36:01 PM	21375
Surr: BFB	86.1	75.4-113	%REC	1	9/19/2015 5:36:01 PM	21375
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.049	mg/Kg	1	9/19/2015 5:36:01 PM	21375
Toluene	ND	0.049	mg/Kg	1	9/19/2015 5:36:01 PM	21375
Ethylbenzene	ND	0.049	mg/Kg	1	9/19/2015 5:36:01 PM	21375
Xylenes, Total	ND	0.098	mg/Kg	1	9/19/2015 5:36:01 PM	21375
Surr: 4-Bromofluorobenzene	100	80-120	%REC	1	9/19/2015 5:36:01 PM	21375

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

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- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded

Value exceeds Maximum Contaminant Level.

- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 3 of 6
- P Sample pH Not In Range
- RL Reporting Detection Limit

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Hall Environmental Analysis Laboratory, Inc.

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Project: Beelin	as Environmental Services ne AXI-H2 Pipeline Release
Sample ID MB-21398 Client ID: PBS Prep Date: 9/21/2015	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Batch ID: 21398 RunNo: 29014 Analysis Date: 9/22/2015 SeqNo: 880362 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO) Surr: DNOP	ND 10 10 10.00 105 57.9 140
Sample ID LCS-21398 Client ID: LCSS	SampType: LCSTestCode: EPA Method 8015M/D: Diesel Range OrganicsBatch ID: 21398RunNo: 29014
Prep Date: 9/21/2015	Analysis Date: 9/22/2015 SeqNo: 880365 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

0

57.4

Diesel Range Organics (DRO) 41 50.00 82.2 139 Surr: DNOP 4.7 5.000 94.3 57.9 140

10

Qualifiers:

- Value exceeds Maximum Contaminant Level. ٠
- Sample Diluted Due to Matrix D
- Η Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Detection Limit

Page 4 of 6

WO#: 1509812

24-Sep-15

Hall	Environmenta	l Anal	ysis	Labora	tory,]	nc.
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Client:	Animas E	Environme	ntal Ser	rvices							
Project:	Beeline A	XI-H2 Pi	peline I	Release							
Sample ID	MB-21375	Samp	Гуре: М	BLK	Tes	tCode: E	PA Method	8015D: Gas	oline Rang	le	
Client ID:	PBS	Batc	h ID: 21	375	F	RunNo: 2	9002				
Prep Date:	9/18/2015	Analysis [Date: 9	/19/2015	5	SeqNo: 8	79852	Units: mg/l	٨g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	ND	5.0								
Surr: BFB		860		1000		85.6	75.4	113			
Sample ID	LCS-21375	Samp	Type: LC	cs	Tes	tCode: El	PA Method	8015D: Gase	oline Rang	e	
Client ID:	LCSS	Batc	h ID: 21	375	F	RunNo: 2	9002				
Prep Date:	9/18/2015	Analysis [Date: 9	/19/2015	S	SeqNo: 8	79853	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	23	5.0	25.00	0	93.8	79.6	122			
Surr: BFB		970		1000		97.3	75.4	113			
Sample ID	1509812-001AMS	SampT	ype: M	S	Tes	tCode: El	PA Method	8015D: Gase	oline Rang	e	
Client ID:	SC-1	Batc	h ID: 21	375	F	RunNo: 2	9002				
Prep Date:	9/18/2015	Analysis D)ate: 9/	/19/2015	S	SeqNo: 8	79857	Units: mg/h	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	e Organics (GRO)	23	4.7	23.61	0	99.3	62.5	151			
Surr: BFB		940		944.3		99.7	75.4	113			
Sample ID	1509812-001AMS	Samp1	ype: MS	SD	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	e	
Client ID:	SC-1	Batch	1 ID: 21	375	F	RunNo: 2	9002				
Prep Date:	9/18/2015	Analysis D	ate: 9/	19/2015	S	SeqNo: 8	79858	Units: mg/F	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	e Organics (GRO)	23	4.6	22.91	0	100	62.5	151	1.89	22.1	
Surr: BFB		890		916.6		97.5	75.4	113	0	0	

Qualifiers:

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

WO#: 1509812

24-Sep-15

Page 5 of 6

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client:

Animas Environmental Services

1.1

1.000

Project: Beelin	ne AXI-H2 Pi	peline I	Release							
Sample ID MB-21375	Samp	Type: MI	BLK	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batc	h ID: 21	375	F	RunNo: 2	9002				
Prep Date: 9/18/2015	Analysis [Date: 9	/19/2015	5	SeqNo: 8	79863	Units: mg/k	۲g		
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		98.9	80	120			
Sample ID LCS-21375	Samp	Type: LC	s	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batc	h ID: 21	375	F	RunNo: 2	9002				
Prep Date: 9/18/2015	Analysis [Date: 9	/19/2015	5	SeqNo: 8	79864	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.050	1.000	0	94.9	80	120			
Toluene	0.96	0.050	1.000	0	95.9	80	120			
Ethylbenzene	0.96	0.050	1.000	0	95.6	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.7	80	120			

109

80

120

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D

Surr: 4-Bromofluorobenzene

- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- RPD outside accepted recovery limits R
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- Reporting Detection Limit RL

Page 6 of 6

1509812

WO#:

24-Sep-15

HALL ENVIRONMENTAL ANALYSIS LABORATORY

11att Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name:	Animas Environmental	Work Order Numbe	er: 1509812		RcptNo: 1
Received by/date:	Cm 09/	17/15			
Logged By:	Anne Thorne	9/17/2015 7:00:00 A	M	anne Hann	-
Completed By:	Anne Thorne	9/17/2015		Non M	
Reviewed By:	AKS	Oglislis		and from	
Chain of Custo	ody V				
1. Custody seals	intact on sample bottles?	,	Yes	No 🗆	Not Present
2. Is Chain of Cu	istody complete?		Yes 🗹	No 🗌	Not Present
3. How was the s	sample delivered?		Courier		
Log In					
4. Was an attem	npt made to cool the samp	les?	Yes 🗹	No 🗌	
5. Were all samp	bles received at a tempera	ture of >0° C to 6.0°C	Yes 🗹	No 🗌	NA 🗌
6. Sample(s) in p	proper container(s)?		Yes 🗹	No 🗆	
7. Sufficient sam	ple volume for indicated to	est(s)?	Yes 🗸	No 🗌	
8. Are samples (except VOA and ONG) pro	operly preserved?	Yes 🗹	No 🗌	
9. Was preserval	tive added to bottles?		Yes	No 🗹	NA 🗌
10.VOA vials have	e zero headspace?		Yes	No 🗌	No VOA Vials
11. Were any sam	nple containers received b	roken?	Yes	No 🔽	# of preserved
12. Does paperwo (Note discrepa	ork match bottle labels?)	Yes 🗹	No 🗌	bottles checked for pH: (<2 or >12 unless note
13 Are matrices c	correctly identified on Chai	n of Custody?	Yes 🖌	No 🗌	Adjusted?
14. Is it clear what	analyses were requested	?	Yes 🖌	No 🗌	
15. Were all holdin (If no, notify cu	ng times able to be met? ustomer for authorization.)		Yes 🗹	No 🗆	Checked by:
Special Handli	ng (if applicable)				
16. Was client not	ified of all discrepancies w	vith this order?	Yes	No 🗌	NA 🗹

 By Whom:
 Via:
 eMail
 Phone
 Fax
 In Person

 Regarding:
 Client Instructions:
 Interview
 Interview
 Interview

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.3					

Page 1 of 1

Chain-of-Custody Record		Turn-Around Time:						н			F	NV	TR	20		AEI		AL		
Client: Animas Environmental			Standard Rush				ANALYSIS LABORATORY													
	Seris	ias		Project Name): 		www.ballenvironmental.com													
Mailing	Address	5: 604	W. Pinn St	Beeline	AXT-H:	2 Pipetine Release		49	01 H	awki	ns N	IE -	Alb	uque	erque	e, Ni	M 87	109		
		Farm	ington NM 87401	Project #:				Те	1. 50	5-34	5-39	975	F	ax	505-	345-	4107	,		
Phone #	#: 505-	564-22	201									A	naly	sis	Req	uest				
email o	Fax#: e	es byles e	animasenviron mental.com	Project Mana	ger:		()	nly)	P					04)						
	Package: dard	'	Level 4 (Full Validation)		E. Sku	40	5 (802	Gas o	10			IMS)		PO4,S	PCB's					
Accredi	tation			Sampler:	CL		MB	PH (DR	E	,	20 S		102,	082					
D NEL	AP	□ Othe	r	On Ice:	Yes	Et No.	4	H +	Ro	118.	504.	r 82	s	O3, N	s / 8		(YC			or N
	(Type)	1		Sample Tem	perature: 4	A A	E C	TBE	B (G	pol 1	pol	10 0	etal	CI'N	cide	(A)	ni-VC			S
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO.	BTEX +-M	BTEX + M	TPH 8015	TPH (Meth	EDB (Meth	PAH's (83	RCRA 8 M	Anions (F,	8081 Pesti	8260B (VC	8270 (Serr			Air Bubble
9-16-15	1426	Soil	SC-1	1-402)a-	Cool	-001	X		×											
9-16-15	1425	Sal	SL-2	H402 Jar	Cool	202	X		X											
9-16-15	1430	Soil	56-3	1-402 h-	Cool	-763	X		X											
																			+	
											_									
Date:	Time:	Relinquish	ad by:	Received by:	iplace	9/16/15 1712	Rer	nark	s:											
Date:	Time:	Relinquist	Vatto	Received by:	Ar	Date Time														

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.

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 FOR APPROVAL TO ACCE	PT SOLID WASTE
1. Generator Name and Address: Beeline Gas Systems, 2001 E. Blanco Blvd, PO Box 1280 Bloomfield NM 87413	· •
2. Originating Site: H2 Leak	COPY
3. Location of Material (Street Address, City, State or ULSTR): Latitude: N36.7293 Longitude: W107.39187	OIL CONS. DIV DIST. 3
4. Source and Description of Waste: Crude oil contaminated soil from drip/ rise	er. SEP 28 2015
Estimated Volume15yd ³ / bbls Known Volume (to be entered by the op bbls	perator at the end of the haul) yd ³ /
5. GENERATOR CERTIFICATION STATEMENT O I, Dianna Lee, , representative or authorized agent for PRINT & SIGN NAME certify that according to the Resource Conservation and Recovery Act (RCRA) and the regulatory determination, the above described waste is: (Check the appropriate classified	F WASTE STATUS Beeline Gas Systems COMPANY NAME US Environmental Protection Agency's July 1988 eation)
RCRA Exempt: Oil field wastes generated from oil and gas exploration and prevent waste. Operator Use Only: Waste Acceptance Frequency Month	roduction operations and are not mixed with non- hly Weekly Per Load
RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exc characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed h subpart D, as amended. The following documentation is attached to demonstrate th the appropriate items)	teed the minimum standards for waste hazardous by hazardous waste as defined in 40 CFR, part 261, he above-described waste is non-hazardous. (Check
□ MSDS Information □ RCRA Hazardous Waste Analysis □ Process Knowled	ge 🗌 Other (Provide description in Box 4)
I, <u>Generator Signature</u> I, <u>Generator Signature</u> Generator Signature	authorize Envirotech to
complete the required testing/sign the Generator Waste Testing Certification.	
I,, representative for, representative for, representative samples of the oil field waste have been subjected to the paint filter test a have been found to conform to the specific requirements applicable to landfarms pursua of the representative samples are attached to demonstrate the above-described waste con 19.15.36 NMAC.	do hereby certify that and tested for chloride content and that the samples and to Section 15 of 19.15.36 NMAC. The results afform to the requirements of Section 15 of
5. Transporter: NELSON REVEG.	
OCD Permitted Surface Waste Management Facility	
Name and Facility Permit #: TNT Permit # NM-01-0008	
Address of Facility: 70 CR 405 Lindrith NM 87029	
Method of Treatment and/or Disposal:	
Evaporation Injection Treating Plant Z Landfarm	Landfill Other
Vaste Acceptance Status:	ED (Must Be Maintained As Permanent Record)
PRINT NAME: TITLE:	DATE:
Surface Waste Management Facility Authorized Agent	·