3R-1024

Release Report/ General Correspondence

Elm Ridge Pipeline

Date: 2015

34

OIL CONS. DIV DIST. 3

SEP 28 2015

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

COPY

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: Primary-Dianna Lee 330-2736 Secondary- Alan Lain 486-0260
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	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? ☒ Yes ☐ No ☐ Not Required	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 ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

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: Dianna Lee	OIL CONSERVATION DIVISION
Printed Name: Dianna Lee	Approved by Environmental Specialist:
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

#NCS 1531349405

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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

September 24, 2015

COPY

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: SC-1
Project: Beeline AXI-H2 Pipeline Release
Collection Date: 9/16/2015 2:20:00 PM
Lab ID: 1509812-001 **Matrix:** SOIL
Received Date: 9/17/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	9.7		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 RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/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		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
Ethylbenzene	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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: SC-2
Project: Beeline AXI-H2 Pipeline Release
Collection Date: 9/16/2015 2:25:00 PM
Lab ID: 1509812-002 **Matrix:** SOIL
Received Date: 9/17/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	9/22/2015 1:53:07 PM	21398
Surr: DNOP	94.2	57.9-140		%REC	1	9/22/2015 1:53:07 PM	21398
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/19/2015 5:10:38 PM	21375
Surr: BFB	87.2	75.4-113		%REC	1	9/19/2015 5:10:38 PM	21375
EPA METHOD 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
Ethylbenzene	ND	0.050		mg/Kg	1	9/19/2015 5:10:38 PM	21375
Xylenes, Total	ND	0.10		mg/Kg	1	9/19/2015 5:10:38 PM	21375
Surr: 4-Bromofluorobenzene	102	80-120		%REC	1	9/19/2015 5:10:38 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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

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	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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 RANGE						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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1509812**

24-Sep-15

Client: Animas Environmental Services

Project: Beeline AXI-H2 Pipeline Release

Sample ID	MB-21398	SampType:	MBLK		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	PBS	Batch ID:	21398		RunNo:	29014				
Prep Date:	9/21/2015	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)	ND	10								
Surr: DNOP	10		10.00		105	57.9	140			

Sample ID	LCS-21398	SampType:	LCS		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	LCSS	Batch ID:	21398		RunNo:	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
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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1509812**

24-Sep-15

Client: Animas Environmental Services

Project: Beeline AXI-H2 Pipeline Release

Sample ID	MB-21375	SampType:	MBLK		TestCode:	EPA Method 8015D: Gasoline Range				
Client ID:	PBS	Batch ID:	21375		RunNo:	29002				
Prep Date:	9/18/2015	Analysis Date:	9/19/2015		SeqNo:	879852	Units:	mg/Kg		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	860		1000		85.6	75.4	113			

Sample ID	LCS-21375	SampType:	LCS		TestCode:	EPA Method 8015D: Gasoline Range				
Client ID:	LCSS	Batch ID:	21375		RunNo:	29002				
Prep Date:	9/18/2015	Analysis Date:	9/19/2015		SeqNo:	879853	Units:	mg/Kg		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range 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	SampType:	MS		TestCode:	EPA Method 8015D: Gasoline Range				
Client ID:	SC-1	Batch ID:	21375		RunNo:	29002				
Prep Date:	9/18/2015	Analysis Date:	9/19/2015		SeqNo:	879857	Units:	mg/Kg		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range 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	1509812-001AMSD	SampType:	MSD		TestCode:	EPA Method 8015D: Gasoline Range				
Client ID:	SC-1	Batch ID:	21375		RunNo:	29002				
Prep Date:	9/18/2015	Analysis Date:	9/19/2015		SeqNo:	879858	Units:	mg/Kg		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range 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.
- B Analyte detected in the associated Method Blank
- D Sample Diluted Due to Matrix
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- R RPD outside accepted recovery limits
- RL Reporting Detection Limit
- S % Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1509812**

24-Sep-15

Client: Animas Environmental Services

Project: Beeline AXI-H2 Pipeline Release

Sample ID **MB-21375**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **21375**	RunNo: **29002**
Prep Date: **9/18/2015**	Analysis Date: **9/19/2015**	SeqNo: **879863** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.99		1.000		98.9	80	120			

Sample ID **LCS-21375**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **21375**	RunNo: **29002**
Prep Date: **9/18/2015**	Analysis Date: **9/19/2015**	SeqNo: **879864** Units: **mg/Kg**

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

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: Animas Environmental Work Order Number: 1509812 RcptNo: 1

Received by/date: CM 09/17/15

Logged By: Anne Thorne 9/17/2015 7:00:00 AM Anne Thorne

Completed By: Anne Thorne 9/17/2015 Anne Thorne

Reviewed By: 09/18/15

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 ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
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 ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. Cooler Information

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

Chain-of-Custody Record

Client: Animas Environmental Services

Mailing Address: 604 W. Pinon St Farmington NM 87401

Phone #: 505-564-2281

email or Fax#: eskyles@animasenvironmental.com

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name: Beeline AXI- H2 Pipeline Release

Project #:

Project Manager: E. Skyles

Sampler: CL

On Ice: ☒ Yes ☐ No

Sample Temperature: 4.3

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1509812	BTEX + ~~MTBE + TMB's~~ (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / ~~MRO~~)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
9-16-15	1420	Soil	SC-1	1-4oz Jar	Cool	001	X		X													
9-16-15	1425	Soil	SC-2	1-4oz Jar	Cool	002	X		X													
9-16-15	1430	Soil	SC-3	1-4oz Jar	Cool	003	X		X													

Date:	Time:	Relinquished by:	Received by:	Date	Time
9/16/15	1742			9/16/15	1742
9/16/15	1827			09/17/15	0700

Remarks:

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 CONS. DIV DIST. 3

SEP 28 2015

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

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

COPY

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: Primary-Dianna Lee 330-2736 Secondary- Alan Lain 486-0260
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	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

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? ☒ Yes ☐ No ☐ Not Required	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 ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

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.*
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 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: Dianna Lee	OIL CONSERVATION DIVISION Approved by Environmental Specialist:	
Printed Name: Dianna Lee		
Title: Regulatory Administrator	Approval Date: 11/9/15	Expiration Date:
E-mail Address: BeelineRegulatory@elmridge.net	Conditions of Approval:	Attached ☐
Date: September 11, 2015 Phone: 505-330-2736		

* Attach Additional Sheets If Necessary

NCS 1531334905

(2)

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
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State of New Mexico
Energy Minerals and Natural Resources

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1220 South St. Francis Dr.
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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 ☒ Final Report

Name of Company Elm Ridge Exploration Co. LLC d.b.a. Beeline Gas Systems	Contact: Primary-Dianna Lee 330-2736 Secondary- Alan Lain 486-0260
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	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					

OIL CONS. DIV DIST. 3
DEC 11 2015

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? ☒ Yes ☐ No ☐ Not Required	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 ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

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: Dianna Lee	OIL CONSERVATION DIVISION
Printed Name: Dianna Lee	Approved by Environmental Specialist:
Title: Regulatory Administrator	Approval Date: 12/30/2015 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

21

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

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

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, 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. 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.

Table 1. Soil Field Screening VOC and TPH Results
Beeline AXI-H2 Pipeline Release Assessment and Final Excavation
September 2015

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

*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)
*JANOGA Action Level**			*10*	*50*	*100*	
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 T. Dougi
Environmental Technician

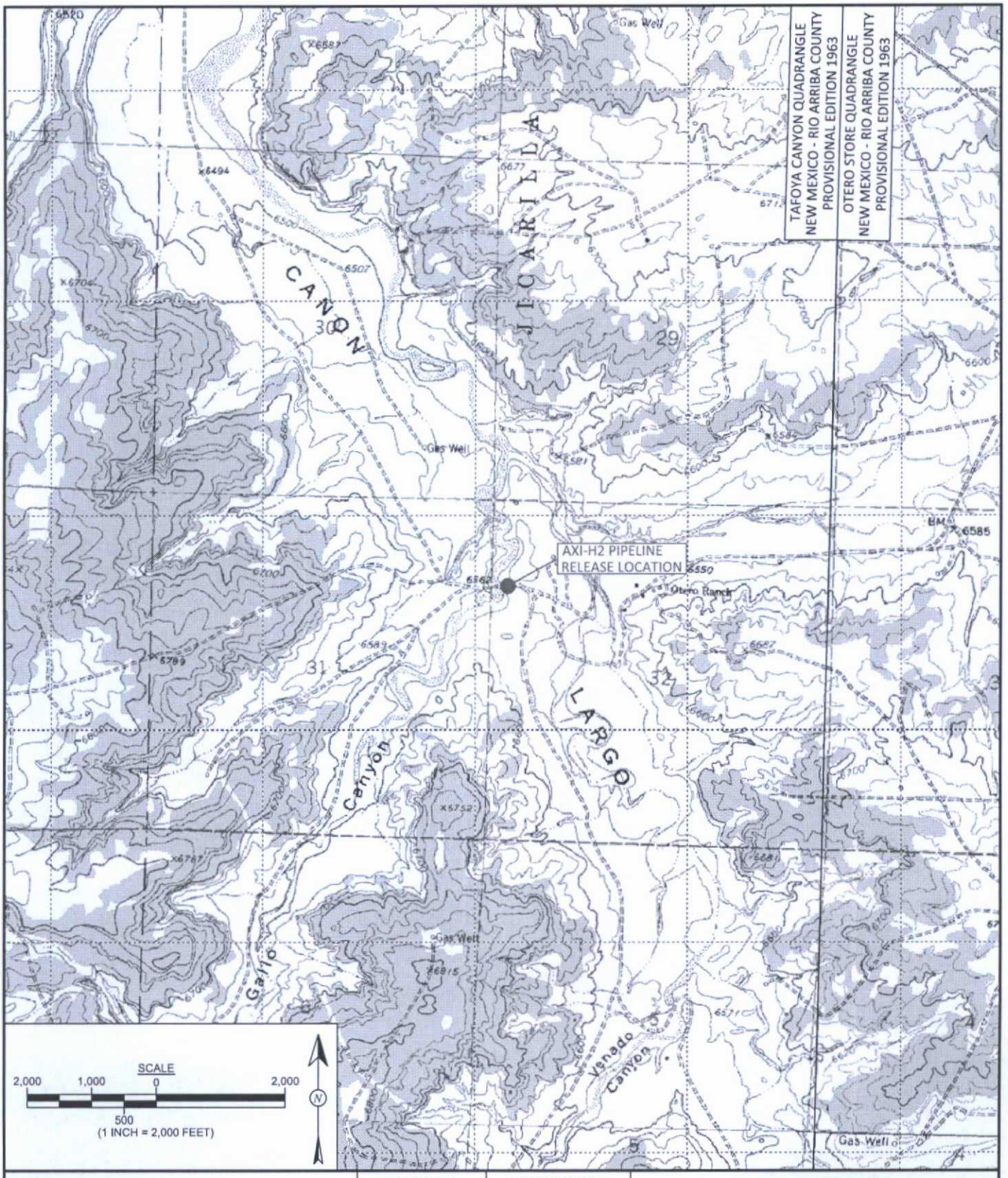
Emilee Skyles
Geologist/Project Lead

Elizabeth McNally, P.E.

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

R:\Animas 2000\Dropbox (Animas Environmental)\0000 Animas Server Dropbox EM\2015 Projects\Beeline\AXI-H2\Beeline AXI-H2 Pipeline Release Assessment and Final Excavation Report 112315.docx



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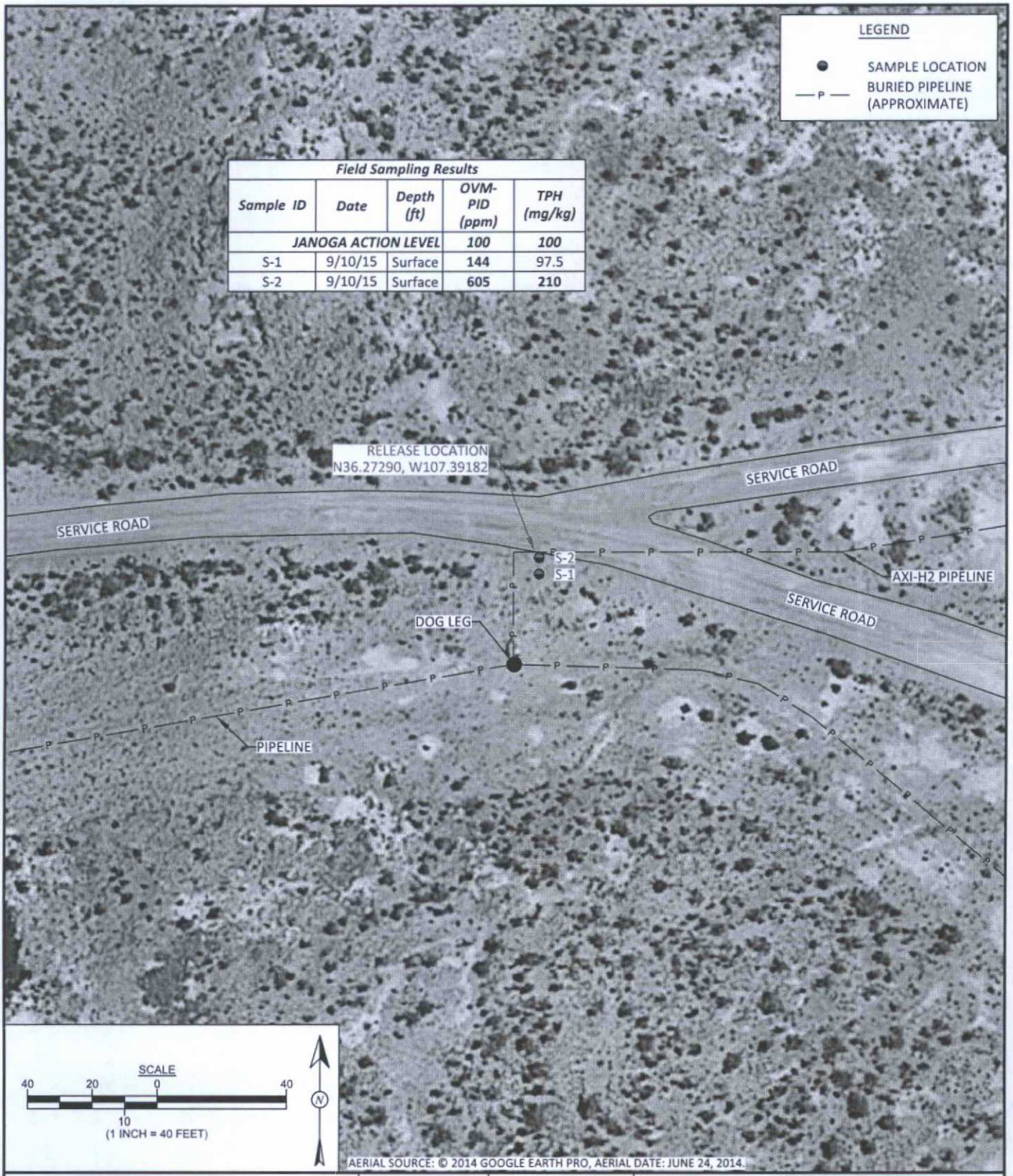
DRAWN BY:	DATE DRAWN:
D. Dougi	September 14, 2015
REVISIONS BY:	**DATE REVISED:**
D. Dougi	October 27, 2015
CHECKED BY:	**DATE CHECKED:**
E. Skyles	October 27, 2015
APPROVED BY:	**DATE APPROVED:**
E. McNally	October 27, 2015

FIGURE 1

TOPOGRAPHIC SITE LOCATION MAP

BEELINE GAS SYSTEMS
AXI-H2 PIPELINE RELEASE
NW¼ NW¼, SECTION 32, T24N, R5W
RIO ARRIBA COUNTY, NEW MEXICO
N36.27290, W107.39182



Field Sampling Results				
Sample ID	Date	Depth (ft)	OVM-PID (ppm)	TPH (mg/kg)
JANOGA ACTION LEVEL			100	100
S-1	9/10/15	Surface	144	97.5
S-2	9/10/15	Surface	605	210

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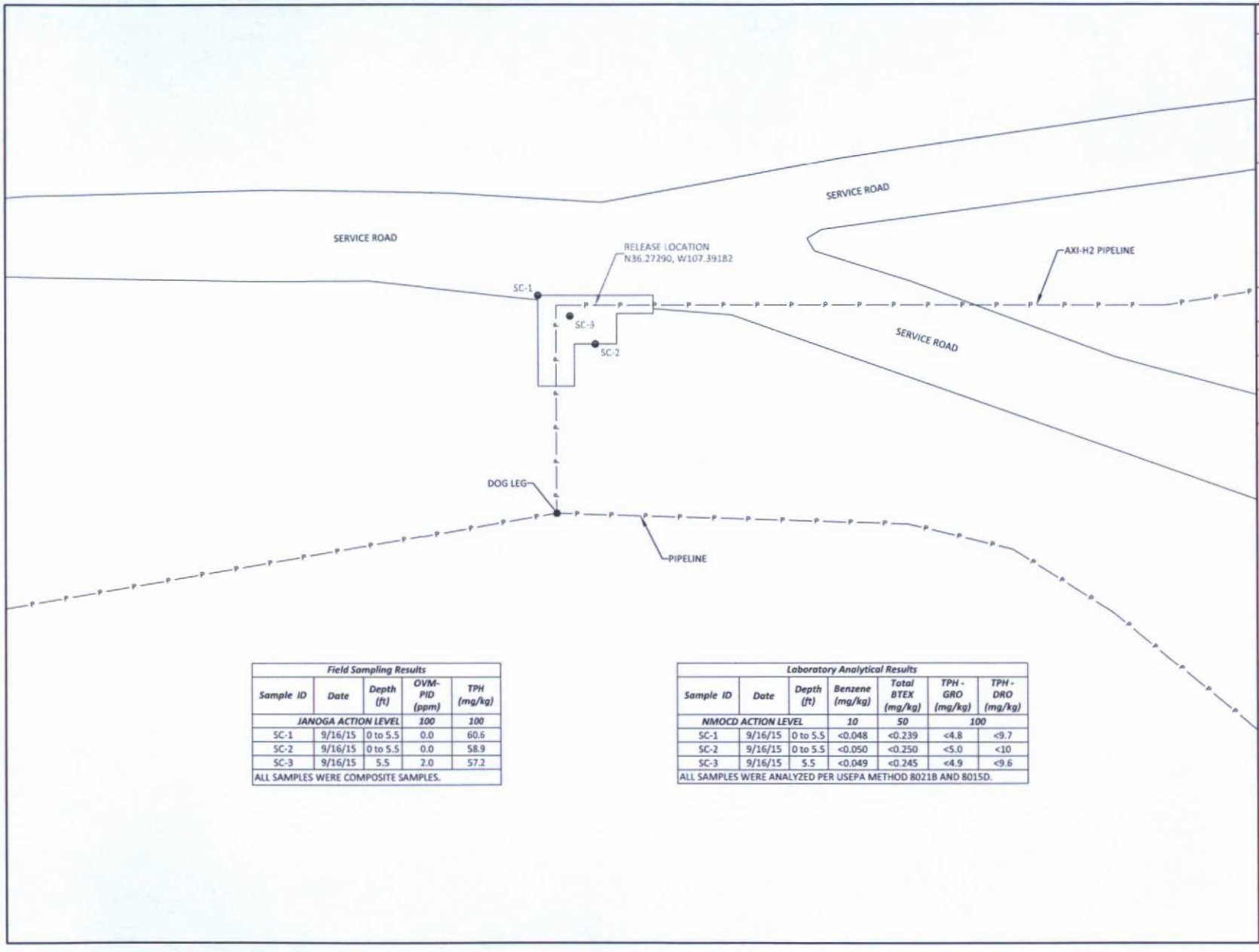
DRAWN BY: D. Dougi	DATE DRAWN: September 14, 2015	**FIGURE 2**
REVISIONS BY: D. Dougi	DATE REVISED: October 27, 2015	**AERIAL SITE MAP AND INITIAL SAMPLE LOCATIONS AND RESULTS SEPTEMBER 2015**
CHECKED BY: E. Skyles	DATE CHECKED: October 27, 2015	BEELINE GAS SYSTEMS AXI-H2 PIPELINE RELEASE
APPROVED BY: E. McNally	DATE APPROVED: October 27, 2015	NW¼ NW¼, SECTION 32, T24N, R5W RIO ARRIBA COUNTY, NEW MEXICO N36.27290, W107.39182

FIGURE 3

FINAL EXCAVATION SAMPLE LOCATIONS AND RESULTS
SEPTEMBER 2015
BEELINE GAS SYSTEMS
AXI-H2 PIPELINE RELEASE
NW¼ NW¼, SECTION 32, T24N, R5W
RIO ARRIBA COUNTY, NEW MEXICO
N36.27290, W107.39182



Field Sampling Results				
Sample ID	Date	Depth (ft)	OVM-PID (ppm)	TPH (mg/kg)
JANOGA ACTION LEVEL			100	100
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
ALL SAMPLES WERE COMPOSITE SAMPLES.				

Laboratory Analytical Results						
Sample ID	Date	Depth (ft)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)
NMOCD ACTION LEVEL			10	50	100	
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
ALL SAMPLES WERE ANALYZED PER USEPA METHOD 8021B AND 8015D.						

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DRAWN BY: C. Lameman	DATE DRAWN: September 16, 2015
REVISIONS BY: D. Dougi	DATE REVISED: October 27, 2015
CHECKED BY: E. Skyles	DATE CHECKED: October 27, 2015
APPROVED BY: E. McNally	DATE APPROVED: October 27, 2015

LEGEND

- SAMPLE LOCATIONS
- BURIED PIPELINE (APPROXIMATE)

N

SCALE
15 10 5 0 15
(1 INCH = 15 FEET)

AES Field Sampling Report

Animas Environmental Services, LLC

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:

Report Finalized: 9/10/15

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:

Report Finalized: 9/16/15

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: SC-1
Project: Beeline AXI-H2 Pipeline Release
Collection Date: 9/16/2015 2:20:00 PM
Lab ID: 1509812-001 **Matrix:** SOIL
Received Date: 9/17/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	9.7		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 RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/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		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
Ethylbenzene	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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: SC-2
Project: Beeline AXI-H2 Pipeline Release
Collection Date: 9/16/2015 2:25:00 PM
Lab ID: 1509812-002 **Matrix:** SOIL
Received Date: 9/17/2015 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **KJH**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	9/22/2015 1:53:07 PM	21398
Surr: DNOP	94.2	57.9-140		%REC	1	9/22/2015 1:53:07 PM	21398
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/19/2015 5:10:38 PM	21375
Surr: BFB	87.2	75.4-113		%REC	1	9/19/2015 5:10:38 PM	21375
EPA METHOD 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
Ethylbenzene	ND	0.050		mg/Kg	1	9/19/2015 5:10:38 PM	21375
Xylenes, Total	ND	0.10		mg/Kg	1	9/19/2015 5:10:38 PM	21375
Surr: 4-Bromofluorobenzene	102	80-120		%REC	1	9/19/2015 5:10:38 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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

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	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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 RANGE						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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1509812**

24-Sep-15

Client: Animas Environmental Services

Project: Beeline AXI-H2 Pipeline Release

Sample ID **MB-21398**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **21398**	RunNo: **29014**
Prep Date: **9/21/2015**	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)	ND	10								
Surr: DNOP	10		10.00		105	57.9	140			

Sample ID **LCS-21398**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **21398**	RunNo: **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
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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1509812**

24-Sep-15

Client: Animas Environmental Services

Project: Beeline AXI-H2 Pipeline Release

Sample ID **MB-21375**	SampType: **MBLK**			TestCode: **EPA Method 8015D: Gasoline Range**					
Client ID: **PBS**	Batch ID: **21375**			RunNo: **29002**					
Prep Date: **9/18/2015**	Analysis Date: **9/19/2015**			SeqNo: **879852**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	860		1000		85.6	75.4	113			

Sample ID **LCS-21375**	SampType: **LCS**			TestCode: **EPA Method 8015D: Gasoline Range**					
Client ID: **LCSS**	Batch ID: **21375**			RunNo: **29002**					
Prep Date: **9/18/2015**	Analysis Date: **9/19/2015**			SeqNo: **879853**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range 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**	SampType: **MS**			TestCode: **EPA Method 8015D: Gasoline Range**					
Client ID: **SC-1**	Batch ID: **21375**			RunNo: **29002**					
Prep Date: **9/18/2015**	Analysis Date: **9/19/2015**			SeqNo: **879857**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range 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 **1509812-001AMSD**	SampType: **MSD**			TestCode: **EPA Method 8015D: Gasoline Range**					
Client ID: **SC-1**	Batch ID: **21375**			RunNo: **29002**					
Prep Date: **9/18/2015**	Analysis Date: **9/19/2015**			SeqNo: **879858**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range 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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1509812**

24-Sep-15

Client: Animas Environmental Services

Project: Beeline AXI-H2 Pipeline Release

Sample ID **MB-21375**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **21375**	RunNo: **29002**
Prep Date: **9/18/2015**	Analysis Date: **9/19/2015**	SeqNo: **879863** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.99		1.000		98.9	80	120			

Sample ID **LCS-21375**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **21375**	RunNo: **29002**
Prep Date: **9/18/2015**	Analysis Date: **9/19/2015**	SeqNo: **879864** Units: **mg/Kg**

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

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: Animas Environmental Work Order Number: 1509812 RcptNo: 1

Received by/date: CM 09/17/15

Logged By: Anne Thorne 9/17/2015 7:00:00 AM Anne Thorne

Completed By: Anne Thorne 9/17/2015 Anne Thorne

Reviewed By: 09/18/15

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 ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
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 ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. Cooler Information

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

Chain-of-Custody Record

Client: Animas Environmental Services

Mailing Address: 604 W. Piñon St Farmington NM 87401

Phone #: 505-564-2281

email or Fax#: eskyles@animasenvironmental.com

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name: Beeline AXI- H2 Pipeline Release

Project #:

Project Manager: E. Skyles

Sampler: CL

On Ice: ☒ Yes ☐ No

Sample Temperature: 4.3

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1509812	BTEX + ~~MTBE~~ + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / ~~MRO~~)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
9-16-15	1426	Soil	SC-1	1-4oz Jar	Cool	-001	X		X													
9-16-15	1425	Soil	SC-2	1-4oz Jar	Cool	-002	X		X													
9-16-15	1430	Soil	SC-3	1-4oz Jar	Cool	-003	X		X													

Date:	Time:	Relinquished by:	Received by:	Date	Time
9/16/15	1742			9/16/15	1742
9/16/15	1827			09/17/15	0700

Remarks:

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.

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

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

*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:**
H2 Leak

COPY

3. **Location of Material (Street Address, City, State or ULSTR):**
Latitude: N36.7293 **Longitude:** W107.39187

OIL CONS. DIV DIST. 3

SEP 28 2015

4. **Source and Description of Waste: Crude oil contaminated soil from drip/ riser.**

Estimated Volume 15 yd^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 — COMPANY 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* ☐ *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, Dianna Lee, representative for Beeline Gas Systems authorize Envirotech to
Generator Signature
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: 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 ☒ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☐ **APPROVED** ☐ **DENIED** (Must Be Maintained As Permanent Record)

PRINT NAME: _____ TITLE: _____ DATE: _____

SIGNATURE: _____ TELEPHONE NO.: _____
Surface Waste Management Facility Authorized Agent