Souder, Miller & Associates ♦ 201 S. Halagueno ♦ Carlsbad, NM 88221
(575) 689-7040

February 14, 2016

#5B24624-BG24

Crystal Weaver
Environmental Specialist
NMOCD District II
1301 W Grand Ave
Artesia, NM 88210

SUBJECT: FINAL CLOSURE REPORT FOR INCIDENT 2RP-4008, Paul 25 24S 28E RB #221H, UNIT D SECTION 25-T24S-R28E NMPM, API# 30-015-43018, EDDY COUNTY, NEW MEXICO

Dear Ms.Weaver:

On behalf of Matador Resources Company (Matador), Souder Miller & Associates (SMA) is pleased to submit Final Closure Report summarizing the remediation of the release site located by the Paul 25 24S 28E RB #221H in Eddy County, New Mexico. The purpose of this Final Closure is to obtain closure from the New Mexico Oil Conservation Division (NMOCD) for the remediation of the release that occurred on private property on November 22, 2016.

SMA responded at the request of Matador Resources Company, to assess, delineate and remediate the soils from the release of production fluids associated with Paul 25 24S 28E RB #221H well location. The release was initially reported to NMOCD by Matador Resources Company, on November 22, 2016 and was a result of an equipment failure. The table below summarizes information regarding the release. Results of the assessment, delineation, and remedial activities following in the Closure Report.

Table 1: Release information and Site Ranking					
Name	Paul 25 24S 28E RB #221H				
Location	Incident Number	API Number	Section, Township, Range		
	2RP-4008	30-015-43018	NW/NE (Unit D)	Section 25	T24S, R28E NMPM
Estimated Date of Release	November 22, 2016				
Date Reported to NMOCD	November 22, 2016				
Reported by	Catherine Green				
Land Owner	Private				
Reported To	NM Oil Conservation Division (NMOCD)				
Source of Release	Equipment Failure				
Released Material	Produced Water				
Released Volume	~560 bbls Produced Water				
Recovered Volume	240 bbls Produced Water				
Net Release	320 bbls Produced Water				
Nearest Waterway	1.4 miles north of the location				

Depth to Groundwater	Estimated to be 49 feet
Nearest Domestic Water Source	Greater than 1,000 feet
NMOCD Ranking	20
SMA Response Dates	Initial: 11/23/16
Subcontractors	Diamondback
Disposal Facility	Lea Land
Estimated Yd3 Contaminated Soil Excavated and Disposed	5,800

A copy of the C-141 Initial is attached in Appendix B. For questions or comments pertaining to the release or the attached work plan, please feel free to contact either of us.

Submitted by:

SOUDER, MILLER & ASSOCIATES

Austin Weyant
Project Scientist

Reviewed by:

Cynthia Gray, CHMM
Senior Scientist

SOIL REMEDIATION FINAL CLOSURE REPORT FOR INCIDENT 2RP-4008

MATADOR RESOURCES COMPANY

PAUL 25 24S 28E RB #221H
UL D, SECTION 25, T24S R28E, NMPM
API #30-015-43018
EDDY COUNTY, NM

Prepared for:
Matador Resources Company
PO Box 1933,
Roswell, NM 88202

Prepared by:
Souder, Miller & Associates
201 S. Halagueno
Carlsbad, NM 88221
575-689-7040

February 14, 2016
SMA Reference
5B24624 BG24

Table of Contents

Figures:

Tables:

Appendices:

1.0 Introduction

On behalf of Matador Resources Company, Souder, Miller & Associates (SMA) has prepared this report that describes the assessment, initial delineation and remediation actions for a release associated with the Paul 25 24S 28E RB #221H location API# 30-015-43018. The site is in Section 25, Township 24S, Range 28E NMPM, Eddy County, New Mexico, on private property. Figure 1 illustrates the vicinity and location of the site.

2.0 Site Ranking, Land Status, and Jurisdiction

The release site is located approximately 1.3 miles east of the Willow Lake, with an elevation of approximately 2,934 feet above sea level. After evaluation of the site using aerial photography and topographic maps, depth to groundwater is estimated to be 49 feet below ground surface (bgs).

SMA searched the New Mexico State Engineer's Office online water well database for water wells in the vicinity of the release. Two wells are located within a one mile radius of the site. Figure 1 depicts the site vicinity and Figure 2 shows the site itself. The physical location of this release is on private property and is within the jurisdiction of NMOCD.

Based on the NMOCD Guidelines Ranking Criteria, this release location has been assigned an NMOCD ranking of 20 which requires a soil remediation standard of 10 parts per million (ppm) benzene, 50 ppm combined benzene, toluene, ethyl-benzene, and total xylenes (BTEX), and 100 ppm total petroleum hydrocarbons (TPH). Table 1 illustrates the site ranking rationale.

3.0 Assessment and Initial Results

On November 23, 2016, SMA field personnel were on site to assess the release area using a Photo Ionization Detector (PID), and a mobile chlorides titration kit EPA method 9045D meter. The potentially affected area was found to be approximately 580 feet long and 50 feet wide. The site delineation samples were taken to depths of four feet bgs initially. On November 30, 2016, further delineation occurred, proceeding to 12' bgs at the request of NMOCD. Further details about the project can be found in NMOCD Online Records under "Soil Remediation Work Plan For Incident 2RP-4008." All samples were collected and processed according to NMOCD soil sampling procedures. Samples were collected in two locations and sent under chain-of-custody protocols to Hall Environmental Analysis Laboratory for analysis for Total Chlorides using EPA Method 300.0.

4.0 Soil Remediation Summary

SMA began oversight of the excavation of affected soils on December 21, 2016, with approval from area utilities owners via 811 and NMOCD. SMA continuously guided the excavation activities by collecting composite soil samples for field screening with a mobile electro conductivity meter. The background chloride sample used for guidance on the excavation was delineation sample D1 @ 6' (3000 ppm chloride), as discussed with Crystal Weaver.

SMA returned to the site on December 30, 2016, and collected five closure samples (E1, E3, E4, E5 and E12), on January 4, 2017 and collected six closure samples (BH1, BH2, BH4, BH5, BH6 and BH7), and January 9 and 13, with no closure samples collected. The final visit to the site was on January 25, 2017, with the final three closure samples (E9, E11 and BH3) collected. Excavation occurred at depths varying from two to 6.5 feet bgs, depending on field screening

results. Field screening results and depths of excavation are shown in Table 2, and the excavation area with sample locations are depicted on Figure 2.

Due to pipeline safety concerns, the excavation was halted at four feet on each side of the pipeline, and a maximum of two feet depth above the pipeline. Hay then was added above the pipeline to act as a capillary break in the soil. Closure samples were collected at the final depth of excavation and from extent of the sidewalls. Approximately 5,800 cubic yards of contaminated soil was removed and replaced with clean backfill material to return the surface to previous contours. The contaminated soil was transported for proper disposal at Lea Land, near Carlsbad, NM, an NMOCD permitted disposal facility.

5.0 Conclusions and Recommendations

NMOCD Guidelines for Remediation of Leaks, Spills, and Releases have established the following action levels for contaminants of concern with a site ranking of 20: 10 ppm (mg/kg) Benzene, 50 ppm total BTEX, and 100 ppm TPH.

Laboratory analytical results for the closure sample collected on November 30, 2016 was below NMOCD closure standards for benzene, BTEX, and TPH. Closure samples for chlorides ranged from 34 mg/Kg to 4,900 mg/Kg. No further remedial activities are recommended. Soil sample locations are illustrated in Figure 2. A summary of laboratory analytical results is included in Table 3. Laboratory reports are included in Appendix A.

6.0 Closure and Limitations

The scope of our services consisted of the performance of release assessment, initial delineation sampling and field screening, verification of release stabilization, regulatory liaison, and preparation of this Closure Document. All work has been performed in accordance with generally accepted professional environmental consulting practices for oil and gas releases in the Permian Basin in New Mexico.

If there are any questions regarding this report, please contact either Austin Weyant at 575-689-7040 or Shawna Chubbuck at 970-565-4465 ext. 1504.

Submitted by:

SOUDER, MILLER & ASSOCIATES

J. Austin Weyant

Austin Weyant
Project Scientist

Reviewed by:

Shawna Chubbuck

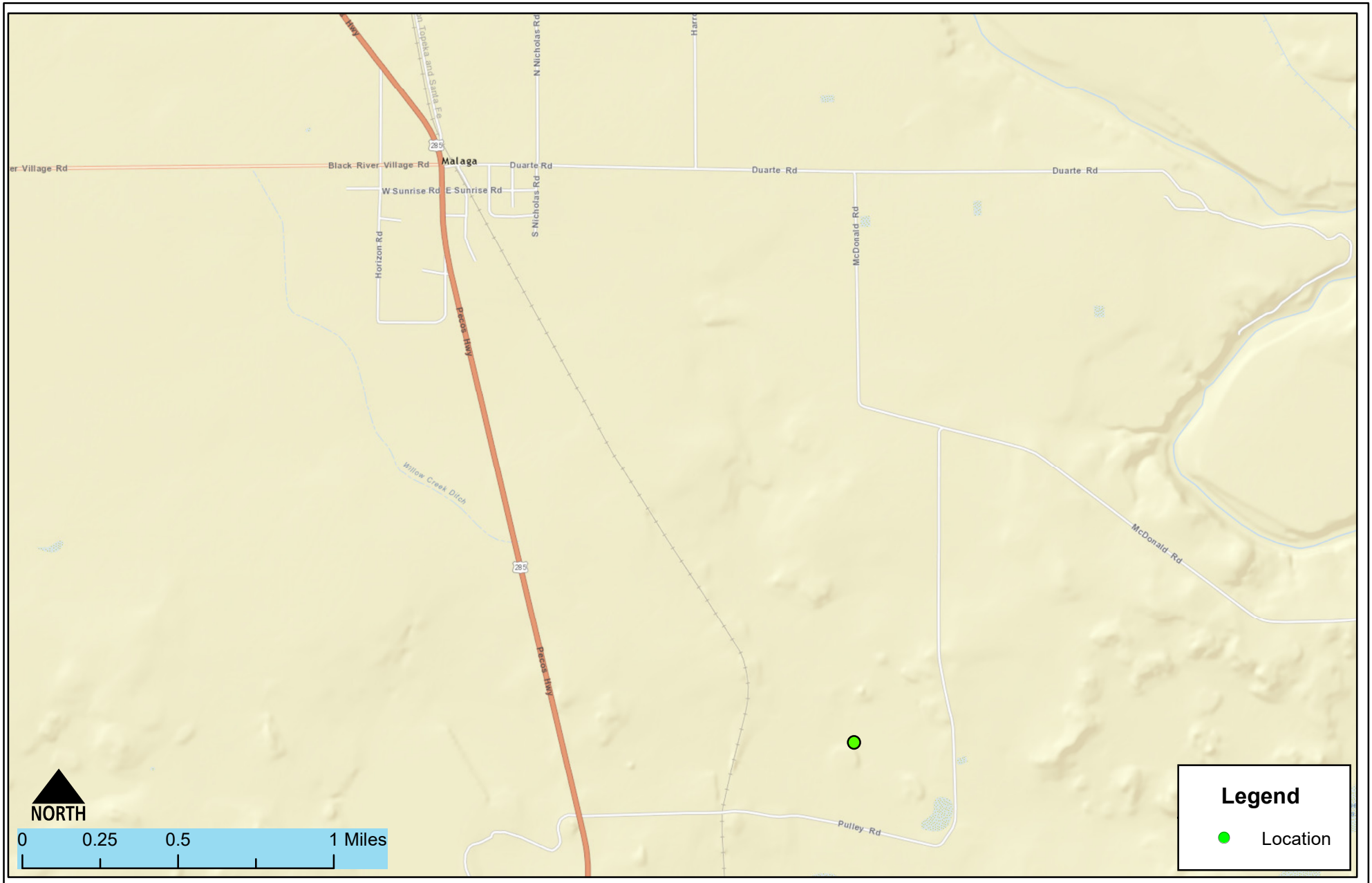
Shawna Chubbuck
Senior Scientist

Figures:

Tables:

Appendices:

FIGURE 1
VICINITY MAP



Vicinity Map
Paul 221H- Matador
Sec. 25 T24S, R28E, Eddy County, NM

Figure 1

Revisions
By: Date: Descr:
By: Date: Descr:

Drawn Lucas Middleton
Checked
Approved

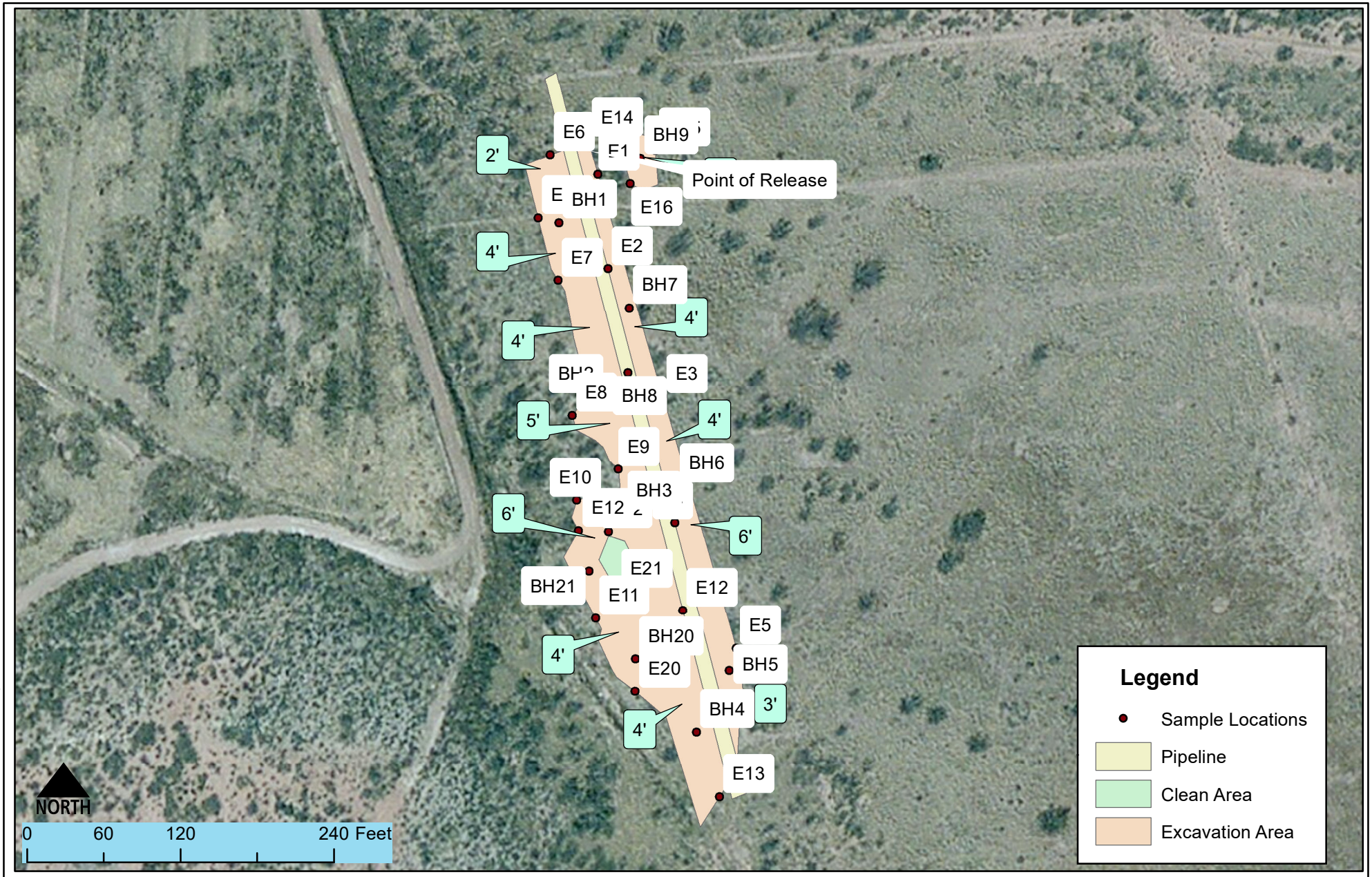
201 South Halaguena Street
Carlsbad, New Mexico 88221
(575) 689-7040
www.soudermiller.com
Serving the Southwest & Rocky Mountains

Date Saved: 2/14/2017

Document: C:\Users\lcm.CBO\Documents\GIS DATA\MAPS\paul figure 1.mxd

FIGURE 2

DETAILED SITE AND SAMPLE LOCATION MAP



Detailed Site and Sample Map
Paul 25 24S 28E RB #221H- Matador Resources
S.25, T24S,R28E, New Mexico

Figure 2

Document: C:\Users\lcm.CBO\Documents\GIS DATA\MAPS\PAUL Figure 22.mxd

Date Saved: 2/17/2017

Revisions
By: Date: Descr:
By: Date: Descr:

Drawn Lucas Middleton
Checked
Approved

SMA
201 South Halaguena Street
Carlsbad, New Mexico 88221
(575) 689-7040
www.soudermiller.com
Serving the Southwest & Rocky Mountains

TABLE 1

RELEASE INFORMATION AND SITE RANKING

Table 1: Release information and Site Ranking					
Name	Paul 25 24S 28E RB #221H				
Location	Incident Number	API Number	Section, Township, Range		
	2RP-4008	30-015-43018	NW/NE (Unit D)	Section 25	T24S, R28E NMPM
Estimated Date of Release	November 22, 2016				
Date Reported to NMOCD	November 22, 2016				
Reported by	Catherine Green				
Land Owner	Private				
Reported To	NM Oil Conservation Division (NMOCD)				
Source of Release	Equipment Failure				
Released Material	Produced Water				
Released Volume	~560 bbls Produced Water				
Recovered Volume	240 bbls Produced Water				
Net Release	320 bbls Produced Water				
Nearest Waterway	1.4 miles north of the location				
Depth to Groundwater	Estimated to be 49 feet				
Nearest Domestic Water Source	Greater than 1,000 feet				
NMOCD Ranking	20				
SMA Response Dates	Initial: 11/23/16				
Subcontractors	Diamondback				
Disposal Facility	Lea Land				
Estimated Yd3 Contaminated Soil Excavated and Disposed	5,800				

TABLE 2

SUMMARY OF CHLORIDE FIELD SCREENING RESULTS

Table 2: Summary of Chloride Field Screening Results

FIELD SCREENING RESULTS SUMMARY					
Date	Time	Field Screening Reference	Sample Depth (Feet BGS)	Chlorides Results	Lab Sample Collected Y/N
1/9/2017	2:00	E20	3'	667	N
1/9/2017	2:00	E21	4'	1,865	N
1/9/2017	2:00	E22	6'	1,740	N
1/9/2017	2:00	E23	3'	1,797	N
1/13/2017	3:00	BH20	3'	1066	N
1/13/2017	3:00	BH21	6.5'	1237	N
1/4/2017	9:00	BH1	4'	2,493	Y
1/4/2017	9:00	Bh2	5'	1,443	Y
1/4/2017	9:00	BH3	6'	2,596	Y
1/4/2017	9:00	BH4	4'	1,877	Y
1/4/2017	9:00	BH5	4'	2,585	Y
1/4/2017	9:00	BH6	6'	2,379	Y
1/4/2017	9:00	BH7	4'	1,808	Y
1/4/2017	9:00	BH8	2'	5,576	N
12/30/2016	8:00	E1	2'	1,763	Y
12/30/2016	8:00	E2	2'	4,183	Y
12/30/2016	8:00	E3	6'	1,226	Y
12/30/2016	8:00	E4	2'	1,786	Y
12/30/2016	8:00	E5	3'	2,208	Y
12/30/2016	8:00	E6	2'	986	N
12/30/2016	8:00	E7	3'	2,790	N
12/30/2016	8:00	E8	5'	3,384	N
12/30/2016	8:00	E9	4'	1,545	Y
12/30/2016	8:00	E10	6'	609	N
12/30/2016	8:00	E11	2'	735	Y
12/30/2016	8:00	E12	6'	2,676	Y
1/13/2016	9:00	E13	3'	1,078	N
1/13/2016	9:00	E14	2'	667	N
1/13/2016	9:00	E15	3'	2,105	N
1/13/2016	9:00	BH9	3'	1,694	N
1/13/2016	9:00	E16	3'	1,797	N
1/13/2016	9:00	BH21	6.5'	1,238	N

TABLE 3

SUMMARY OF LABORATORY ANALYSES

Table 3: Summary of Laboratory Analyses

Analytical Report- 1701304	Sample Number on Figure 2 Map	Sample Date	Depth	BTEX ppm	Benzene mg/Kg	GRO mg/Kg	DRO mg/Kg	Cl- mg/Kg
1701304-001	E1	12/30/2016	2'	N/A	N/A	N/A	N/A	330
1701304-002	E3	12/30/2016	6'	N/A	N/A	N/A	N/A	640
1701304-003	E4	12/30/2016	2'	N/A	N/A	N/A	N/A	1200
1701304-004	E5	12/30/2016	3'	N/A	N/A	N/A	N/A	2900
1701C34-002	E9	1/25/2017	4'	N/A	N/A	N/A	N/A	34
1701C34-003	E11	1/25/2017	2'	N/A	N/A	N/A	N/A	1,100
1701304-007	E12	12/30/2016	6'	N/A	N/A	N/A	N/A	4900
1701306-001	BH4	1/4/2017	4'	N/A	N/A	N/A	N/A	1000
1701306-002	BH5	1/4/2017	4'	N/A	N/A	N/A	N/A	2800
1701306-003	BH6	1/4/2017	6'	N/A	N/A	N/A	N/A	1700
1701306-004	BH7	1/4/2017	4'	N/A	N/A	N/A	N/A	2400
1701306-005	BH1	1/4/2017	4.5'	N/A	N/A	N/A	N/A	2800
1701306-006	BH2	1/4/2017	5.5'	N/A	N/A	N/A	N/A	820
1701C34-001	BH3	1/25/2017	7'	N/A	N/A	N/A	N/A	210

APPENDIX A

LABORATORY ANALYTICAL REPORTS

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

January 18, 2017

Austin Weyant

Souder, Miller & Associates
201 S Halagueno
Carlsbad, NM 88221
TEL: (575) 689-7040
FAX

RE: Paul #221H OrderNo.: 1701304

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 7 sample(s) on 1/10/2017 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: Souder, Miller & Associates
Project: Paul #221H
Lab Order: 1701304

Lab ID: 1701304-001 **Collection Date:** 12/30/2016 9:00:00 AM
Client Sample ID: E1 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	330	30		mg/Kg	20	1/11/2017 11:32:42 AM	29648

Lab ID: 1701304-002 **Collection Date:** 12/30/2016 9:00:00 AM
Client Sample ID: E3 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	640	30		mg/Kg	20	1/11/2017 12:09:55 PM	29648

Lab ID: 1701304-003 **Collection Date:** 12/30/2016 9:00:00 AM
Client Sample ID: E4 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	1200	75		mg/Kg	50	1/16/2017 4:10:29 PM	29648

Lab ID: 1701304-004 **Collection Date:** 12/30/2016 9:00:00 AM
Client Sample ID: E5 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	2900	150		mg/Kg	100	1/16/2017 4:22:54 PM	29648

Lab ID: 1701304-005 **Collection Date:** 12/30/2016 9:00:00 AM
Client Sample ID: E9 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	4000	150		mg/Kg	100	1/16/2017 4:35:18 PM	29648

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	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Project: Paul #221H
Lab Order: 1701304

Lab ID: 1701304-006 **Collection Date:** 12/30/2016 9:00:00 AM
Client Sample ID: E11 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	3900	150		mg/Kg	100	1/16/2017 4:47:43 PM	29648

Lab ID: 1701304-007 **Collection Date:** 12/30/2016 9:00:00 AM
Client Sample ID: E12 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	4900	150		mg/Kg	100	1/16/2017 5:00:07 PM	29648

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	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1701304**

18-Jan-17

Client: Souder, Miller & Associates

Project: Paul #221H

Sample ID	**MB-29648**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**29648**	RunNo:	**39971**					
Prep Date:	**1/11/2017**	Analysis Date:	**1/11/2017**	SeqNo:	**1252629**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-29648**	SampType:	**LCS**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**29648**	RunNo:	**39971**					
Prep Date:	**1/11/2017**	Analysis Date:	**1/11/2017**	SeqNo:	**1252630**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.5	90	110			

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	W	Sample container temperature is out of limit as specified

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: SMA-CARLSBAD Work Order Number: 1701304 RcptNo: 1

Received by/date: RE 1/10/17

Logged By: **Andy Jansson** 1/10/2017 9:15:00 AM

Completed By: Andy Jansson 1/10/17

Reviewed By: 01/10/17

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	4.1	Good	Yes			

Chain-of-Custody Record

Client: SMA Carlsbad

Mailing Address:

Phone #:

Email or Fax#:

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

Accreditation: NELAP ☐ Other

EDD (Type)

Turn-Around Time: ☐ Standard ☐ Rush

Project Name: Paul #2211f

Project #:

Project Manager: Austin Weyant

Sampler: LM

On Ice: ☒ Yes ☐ No

Sample Temperature: 4.1

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. 1701304	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)
12/30/16	9am	Soil	E1	4oz Jar		-001								X								
			E3			-002								X								
			E4			-003								X								
			E5			-004								X								
			E9			-005								X								
			E11			-006								X								
			E12			-007								X								

Date:	Time:	Relinquished by:	Received by:	Date	Time
12-16	9:30			1/10/17	0915
Date:	Time:	Relinquished by:	Received by:	Date	Time

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.

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

January 18, 2017

Austin Weyant

Souder, Miller & Associates
201 S Halagueno
Carlsbad, NM 88221
TEL: (575) 689-7040
FAX

RE: Paul #221H OrderNo.: 1701306

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 7 sample(s) on 1/10/2017 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: Souder, Miller & Associates
Project: Paul #221H
Lab Order: 1701306

Lab ID: 1701306-001 **Collection Date:** 1/4/2017 10:00:00 AM
Client Sample ID: BH4-4 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	1000	75		mg/Kg	50	1/16/2017 5:12:31 PM	29648

Lab ID: 1701306-002 **Collection Date:** 1/4/2017 10:00:00 AM
Client Sample ID: BH5-4 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	2800	150		mg/Kg	100	1/16/2017 5:49:45 PM	29648

Lab ID: 1701306-003 **Collection Date:** 1/4/2017 10:00:00 AM
Client Sample ID: BH6-6 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	1700	150		mg/Kg	100	1/16/2017 6:02:10 PM	29661

Lab ID: 1701306-004 **Collection Date:** 1/4/2017 10:00:00 AM
Client Sample ID: BH7-4 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	2400	150		mg/Kg	100	1/16/2017 6:14:34 PM	29661

Lab ID: 1701306-005 **Collection Date:** 1/6/2017 10:00:00 AM
Client Sample ID: BH1-4.5 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	2800	150		mg/Kg	100	1/16/2017 6:26:59 PM	29661

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

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
W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Project: Paul #221H
Lab Order: 1701306

Lab ID: 1701306-006 **Collection Date:** 1/6/2017 10:00:00 AM
Client Sample ID: BH2-5.5 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	820	30		mg/Kg	20	1/12/2017 2:23:21 PM	29661

Lab ID: 1701306-007 **Collection Date:** 1/6/2017 10:00:00 AM
Client Sample ID: BH3-7 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	3400	150		mg/Kg	100	1/16/2017 6:39:24 PM	29661

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	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1701306**

18-Jan-17

Client: Souder, Miller & Associates

Project: Paul #221H

Sample ID	**MB-29648**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**29648**	RunNo:	**39971**					
Prep Date:	**1/11/2017**	Analysis Date:	**1/11/2017**	SeqNo:	**1252629**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-29648**	SampType:	**LCS**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**29648**	RunNo:	**39971**					
Prep Date:	**1/11/2017**	Analysis Date:	**1/11/2017**	SeqNo:	**1252630**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.5	90	110			

Sample ID	**MB-29661**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**29661**	RunNo:	**39991**					
Prep Date:	**1/12/2017**	Analysis Date:	**1/12/2017**	SeqNo:	**1253152**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-29661**	SampType:	**LCS**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**29661**	RunNo:	**39991**					
Prep Date:	**1/12/2017**	Analysis Date:	**1/12/2017**	SeqNo:	**1253153**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.3	90	110			

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	W	Sample container temperature is out of limit as specified

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: SMA-CARLSBAD Work Order Number: 1701306 RcptNo: 1

Received by/date: RE 1/10/17

Logged By: Andy Jansson 1/10/2017 9:15:00 AM

Completed By: Andy Jansson 1/10/17

Reviewed By: 01/10/17 @ 1055

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	4.1	Good	Yes			

Chain-of-Custody Record

Client: SMA Carlsbad

Mailing Address:

Phone #:

email or Fax#:

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

Accreditation
☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:
~~☐ Standard~~ ☐ Rush

Project Name: Paul #221H

Project #:

Project Manager: Austin Weyand

Sampler: LC

On Ice: ☒ Yes ☐ No

Sample Temperature: 4.1

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. 1701B06	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)
1-4-17	10am	Soil	BH4-4	4oz		-001								X								
1-4-17	"	"	BH5-4	"		-002								X								
1-4-17	"	"	BH6-6	"		-003								X								
1-4-17	"	"	BH7-4	"		-004								X								
1-6-17	"	"	BH1-4.5	"		-005								X								
"	"	"	BH2-5.5	"		-006								X								
"	"	"	BH3-7	"		-007								X								

Date:	Time:	Relinquished by:	Received by:	Date	Time
1-9-17	8:30			1/10/17	0915
Date:	Time:	Relinquished by:	Received by:	Date	Time

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.

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

February 07, 2017

Austin Weyant
Souder, Miller & Associates
201 S Halagueno
Carlsbad, NM 88221
TEL: (575) 689-7040
FAX

RE: Paul #221 OrderNo.: 1701C34

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 3 sample(s) on 1/31/2017 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

Analytical Report
Lab Order: **1701C34**
Date Reported: **2/7/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Project: Paul #221
Lab Order: 1701C34

Lab ID: 1701C34-001 **Collection Date:** 1/25/2017 10:00:00 AM
Client Sample ID: BH 3-7 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	210	30		mg/Kg	20	2/2/2017 4:21:21 PM	30028

Lab ID: 1701C34-002 **Collection Date:** 1/25/2017 10:05:00 AM
Client Sample ID: E9 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	34	30		mg/Kg	20	2/2/2017 4:58:35 PM	30028

Lab ID: 1701C34-003 **Collection Date:** 1/25/2017 10:10:00 AM
Client Sample ID: E11 **Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	1100	75		mg/Kg	50	2/4/2017 3:37:30 AM	30028

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	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1701C34**

07-Feb-17

Client: Souder, Miller & Associates

Project: Paul #221

Sample ID	**MB-30028**	SampType:	**MBLK**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**30028**	RunNo:	**40495**					
Prep Date:	**2/2/2017**	Analysis Date:	**2/2/2017**	SeqNo:	**1269175**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-30028**	SampType:	**LCS**	TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**30028**	RunNo:	**40495**					
Prep Date:	**2/2/2017**	Analysis Date:	**2/2/2017**	SeqNo:	**1269176**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.6	90	110			

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	W	Sample container temperature is out of limit as specified

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: SMA-CARLSBAD Work Order Number: 1701C34 RcptNo: 1

Received by/date: AJ 1/31/17

Logged By: Andy Jansson 1/31/2017 9:55:00 AM

Completed By: Andy Jansson 1/31/17

Reviewed By: AG 01/31/17

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	2.2	Good	Yes			

Chain-of-Custody Record

Client: SMA Carlsbad

Mailing Address:

Phone #:

email or Fax#:

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

Accreditation
☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush

Project Name: Paul #221

Project #:

Project Manager: Austin Weyant

Sampler: CP

On Ice: ☑ Yes ☐ No

Sample Temperature: 3.1 - 0.9CF = 2.2°C

HEAL No. 1701C34

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	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)
1-25-17	10:00	Soil	BH3-7	4oz		-001								X								
↓	10:05	↓	E 7			-002								X								
↓	10:10	↓	E 11			-003								X								

Date: 1-30-17 Time: 12:0 Relinquished by: Received by: Date 1/31/17 Time 0955

Date: Time: Relinquished by: Received by: Date Time

Remarks:

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

Analysis Request

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.

APPENDIX B
FORM C141 FINAL

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.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report x☐ Final Report

Name of Company Matador Production Company	Contact Catherine Green
Address 500 N Main St Ste 1 Roswell NM 88201	Telephone No.575-627-2453
Facility Name Paul 25 24S 28E RB #221H	Facility Type Oil

Surface Owner Private	Mineral Owner Fee	API No. 30-015-43018

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	25	24S	28E	359	N	217	W	Eddy

Latitude 32.19484171_____ **Longitude**_-104.0487226_____

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release~560 bbls	Volume Recovered 240 bbls
Source of Release Line Split	Date and Hour of Occurrence Nov. 22, 2016 11am	Date and Hour of Discovery Nov. 22, 2016 10:30am
Was Immediate Notice Given? x☐ Yes ☐ No ☐ Not Required	If YES, To Whom? Telephoned Mike Bratcher and Randy Bayliss. Left voicemails.	
By Whom? Catherine Green	Date and Hour Nov. 22, 2016 3pm	
Was a Watercourse Reached? ☐ Yes x☐ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Lease Operator observed 0 pressure on water line. Investigated by walking the line. Discovered severed pipe. Shut off well. Called for vacuum trucks. Line will be replaced.

Describe Area Affected and Cleanup Action Taken.*
See picture attached. Soil samples will be collected . Contaminated soil will be remediated/removed/replaced. Line will be fixed/replaced.
Jan. 25, 2017 – 5,800 cubic yards of impacted material removed to Lea Land. Backfill material and contouring completed. Souder, Miller and Associates sampled and delineated.

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: *Catherine Green*	OIL CONSERVATION DIVISION	
Printed Name:Catherine Green	Approved by Environmental Specialist:	
Title:Regulatory Analyst	Approval Date:	Expiration Date:
E-mail Address:cgreen@matadorresources.com	Conditions of Approval:	Attached ☐