

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nAPP2113331984
District RP	
Facility ID	
Application ID	


Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Robert Dunaway Title: Senior Environmental Engineer
Signature:  Date: 07/16/2021
email: rhodunaway@eprod.com Telephone: 575-628-6802

Form C-141

State of New Mexico

Page 2

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

OCD Only

Received by: _____

Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

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Printed Name: Robert Dunaway Title: Senior Environmental Engineer
Signature:  Date: 07/16/2021
email: rhodunaway@eprod.com Telephone: 575-628-6802

Form C-141

State of New Mexico

Page 2

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

OCD OnlyReceived by: Robert HamletDate: 10/20/2021

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Robert Hamlet Date: 10/20/2021Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced



Souder, Miller & Associates ♦ 201 S. Halagueno St. ♦ Carlsbad, NM 88220
(575) 689-8801

July 14, 2021

#E29921-BG6

NMOCD District 2
811 S. First St.
Artesia, New Mexico 888210

SUBJECT: Remediation Closure Report for the Line 1003 Release (NAPP2113331984), Eddy County, New Mexico

1.0 Background

On behalf of Enterprise Field Services LLC (Enterprise), Souder, Miller & Associates (SMA) has prepared this Remediation Closure Report that describes the remediation of a release of natural gas at the Line 1003 site. The site is in Unit A, Section 13, Township 23S, Range 28E, Eddy County, New Mexico, on Private land. Figure 1 illustrates the vicinity and site location on an USGS 7.5 minute quadrangle map.

This report demonstrates that the site has been remediated to meet the standards of Table I of 19.15.29.12 NMAC. In addition to meeting the Closure Criteria, the top four (4) feet of impacted areas meet the reclamation requirement of 19.15.29.13(D)(1). The information provided in this report is intended to fulfill final NMOCD closure requirements.

SMA recommends no further actions and requests that the release associated with the Line 1003 (NAPP2113331984) be closed.

Table 1 summarizes release information and Closure Criteria.

Table 1: Release Information and Closure Criteria			
Name	Line 1003	Company	Enterprise Field Services LLC
API Number	N/A	Location	32.309272 -104.035949
Tracking Number	NAPP2113331984		
Estimated Date of Release	May 7, 2021	Date Reported to NMOCD	May 20, 2021
Land Owner	Private-Mosaic Potash Carlsbad	Reported To	NMOCD District II
Source of Release	Gathering Pipeline		
Released Volume	74.33 Mcf	Released Material	Natural Gas
Recovered Volume	0 Mcf	Net Release	74.33 Mcf
NMOCD Closure Criteria	<50 feet to groundwater		
SMA Response Dates	May 14, 2021		

2.0 Background

On May 7, 2021, a release was discovered at the Line 1003 site due to an undetermined cause. Initial response activities were conducted by Enterprise, and included source elimination and site security containment and site stabilization activities, Figure 1 illustrates the vicinity and site location, Figure 2 illustrates the release location. The C-141 form is included in Appendix A.

3.0 Site Information and Closure Criteria

The Line 1003 is a buried pipeline carrying natural gas and pipeline fluids located approximately 4 miles northeast of Loving, New Mexico on privately-owned land at an elevation of approximately 2,962 feet above mean sea level (amsl).

Depth to Groundwater

Based upon New Mexico Office of the State Engineer (NMOSE) water well data (Appendix B), depth to groundwater in the area is estimated to be 20 feet below grade surface (bgs).

Wellhead Protection Area

There is one (1) known water source within ½-mile of the location, according to NMOSE online water well database. There is also one USGS water well located within ½ mile of the location.

Distance to Nearest Significant Watercourse

The nearest significant watercourse is an unnamed water way, located approximately 960 feet to the west of the location.

Table 2 demonstrates the Closure Criteria applicable to this location. Figure 2 illustrates the site with 200 and 300-foot radii to indicate that it does not lie within a sensitive area as described in 19.15.29.12.C(4) NMAC.

Based on the information presented herein, the applicable NMOCD Closure Criteria for this site is for a groundwater depth of less than 50 feet bgs.

4.0 Release Characterization and Remediation Activities

On May 14, 2021, following excavation activities to expose the line to conduct repairs, SMA collected confirmation samples from the walls and base of the excavation, which measured approximately 6 feet by 65 feet with a depth of 4 feet.

Confirmation samples were comprised of five-point composites of the base (CS1-CS2) and walls (CSW1-CSW4). A background and a spoils sample were also collected.

A total of seven (7) confirmation samples and a background sample were collected for laboratory analysis for total chloride using EPA Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel and gasoline range organics (MRO, DRO, and GRO) by EPA Method 8015D. Laboratory samples were collected in accordance with the sampling protocol included in Appendix C. Samples were placed into laboratory supplied glassware, labeled, and maintained on ice until delivery to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico.

Figure 3 shows the extent of the final excavation and closure sample locations. Laboratory results are summarized in Table 3. Laboratory reports are included in Appendix D.

Line 1003 Remediation Closure Report
July 14, 2021

Page 3 of 4

5.0 Site Recommendations

The laboratory result for the background sample indicated naturally occurring elevated levels of chlorides at 12,000 mg/Kg.

As demonstrated in Table 3, all closure samples meet the Closure Criteria with the background chloride concentration noted above. The site has been remediated to meet the standards of Table I of 19.15.29.12 NMAC.

Contaminated soils were removed and replaced with clean backfill material to return the surface to previous contours. The contaminated soil was transported and disposed of at Lea Land LLC, Hobbs, New Mexico, an NMOCD-permitted disposal facility.

SMA recommends no further action and requests closure of Incident Number NAPP2113331984.

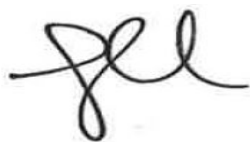
6.0 Scope and Limitations

The scope of our services included: assessment sampling; verifying release stabilization; regulatory liaison; remediation; and preparing this report. 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 Ashley Maxwell at 505-320-8975 or Shawna Chubbuck at 505-325-7535.

Submitted by:
SOUDER, MILLER & ASSOCIATES

Reviewed by:



Ashley Maxwell
Project Scientist



Shawna Chubbuck
Senior Scientist

REFERENCES:

New Mexico Office of the State Engineer (NMOSE) online water well database
https://gis.ose.state.nm.us/gisapps/ose_pod_locations/; accessed 6/7/2021

Line 1003 Remediation Closure Report
July 14, 2021

Page 4 of 4

ATTACHMENTS:

Figures:

Figure 1: Vicinity and Well Head Protection Map

Figure 2: Surface Water Radius Map

Figure 3: Site and Sample Location Map

Tables:

Table 2: NMOCD Closure Criteria Justification

Table 3: Summary of Sample Results

Appendices:

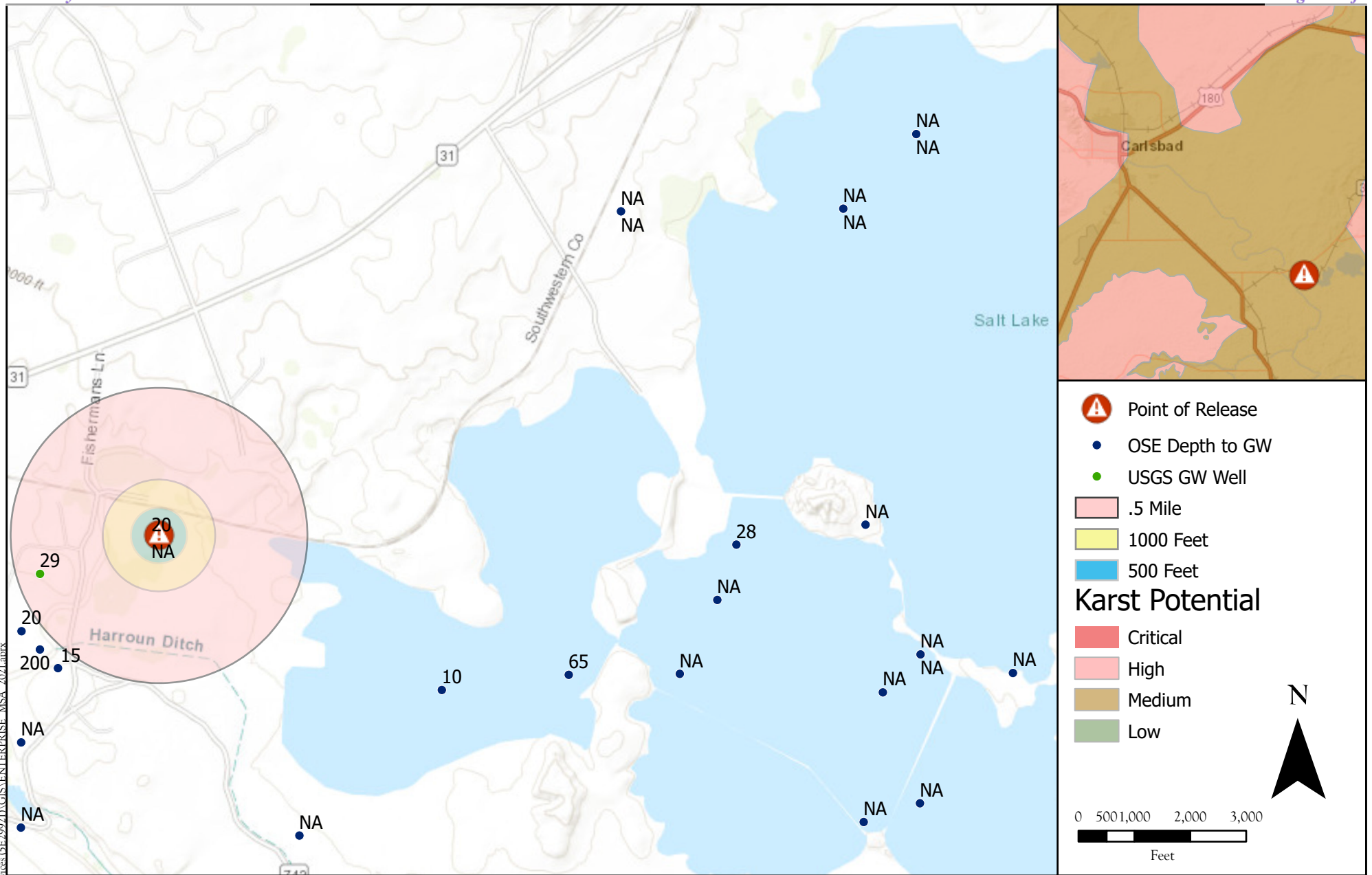
Appendix A: Form C141

Appendix B: Water Well Data

Appendix C: Field Notes and Site Photos

Appendix D: Laboratory Analytical Reports

FIGURES



Site Map

1003 Line Release - Enterprise Field Services LLC
32. 309272 -104.035949, Eddy County, New Mexico

Figure 1

Revisions

By: _____ Date: _____ Descr: _____
By: _____ Date: _____ Descr: _____

Drawn
Date
Checked
Approved

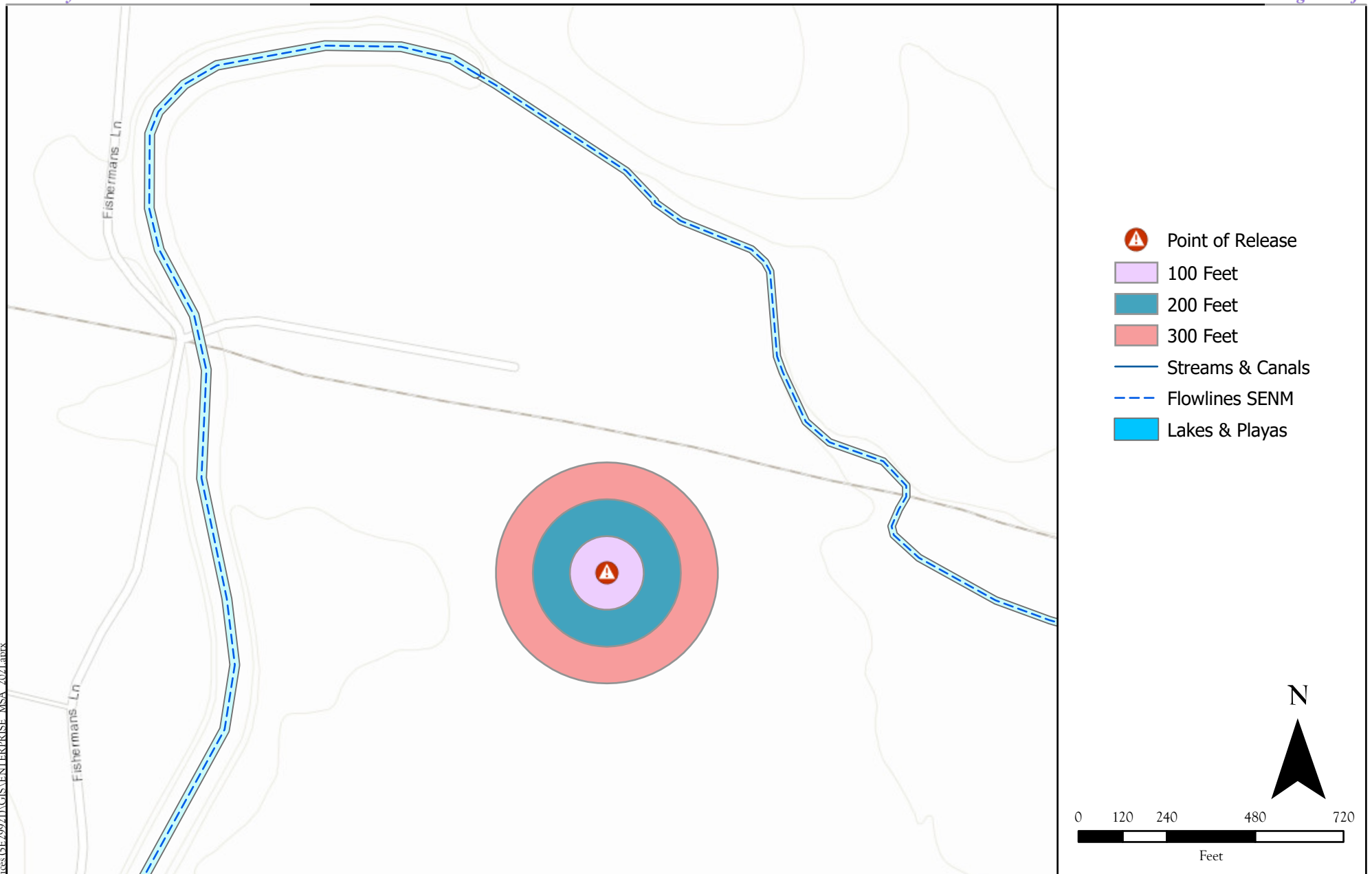
PR Smith

5/19/2021



201 South Halaguena Street
Carlsbad, New Mexico 88221
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Surface Water Protection Map
 1003 Line Release - Enterprise Field Services LLC
 32.309272 -104.035949, Eddy County, New Mexico

Figure 2

Revisions

By: _____ Date: _____ Descr: _____
 By: _____ Date: _____ Descr: _____

Drawn PR Smith
 Date 5/19/2021
 Checked _____
 Approved _____



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Site and Confirmation Sample Location Map
 1003 Line Release - Enterprise Field Services LLC
 32.309272, -104.035949, Eddy County, New Mexico

Figure 3

P:\5 Enterprise 2020\MSA On Call Services (5F28081)\GIS\ENTERPRISE_MSA_2020.aux
 Date Saved: 6/11/2021

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

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Drawn PR Smith
 Date 6/11/2021
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TABLES

Table 2:
NMOCD Closure CriteriaEnterprise Field Services LLC
Line 1003 NAPP2113331984

Site Information (19.15.29.11.A(2, 3, and 4) NMAC)		Source/Notes
Depth to Groundwater (feet bgs)	20	NMOSE Water Well Data
Horizontal Distance From All Water Sources Within 1/2 Mile (ft)	141	USGS 7.5 Quadrangle Topo Map
Horizontal Distance to Nearest Significant Watercourse (ft)	960	USGS 7.5 Quadrangle Topo Map

Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC)						
Depth to Groundwater		Closure Criteria (units in mg/kg)				
		Chloride *numerical limit or background, whichever is greater	TPH	GRO + DRO	BTEX	Benzene
< 50' BGS	X	600	100		50	10
51' to 100'		10000	2500	1000	50	10
>100'		20000	2500	1000	50	10
Surface Water	yes or no	if yes, then				
<300' from continuously flowing watercourse or other significant watercourse?	No	600	100		50	10
<200' from lakebed, sinkhole or playa lake?	No					
Water Well or Water Source						
<500 feet from spring or a private, domestic fresh water well used by less than 5 households for domestic or stock watering purposes?	No					
<1000' from fresh water well or spring?	No					
Human and Other Areas						
<300' from an occupied permanent residence, school, hospital, institution or church?	No					
within incorporated municipal boundaries or within a defined municipal fresh water well field?	No					
<100' from wetland?	No					
within area overlying a subsurface mine	No					
within an unstable area?	No					
within a 100-year floodplain?	No					



Table 3:
Sample ResultsEnterprise Field Services LLC
Line 1003 NAPP2113331984

Sample ID	Sample Date	Depth of Sample (feet bgs)	Method 8021B		Method 8015D				Method 300.0
			BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl-
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
NMOCD Reclamation Requirement			50	10	--	--	--	100	600
Background	5/14/2021	0-4	--	--	--	--	--	--	12,000
CS1	5/14/2021	4	<0.167	<0.019	<3.7	<9.2	<46	<58.9	3,700
CS2	5/14/2021	4	<0.114	<0.016	<3.2	<9.8	<49	<62.0	3,500
CSW1	5/14/2021	0-4	<0.129	<0.014	<2.9	<9.6	<48	<60.5	3,700
CSW2	5/14/2021	0-4	<0.145	<0.016	<3.2	18	78	96	11,000
CSW3	5/14/2021	0-4	<0.157	<0.017	<3.5	<9.5	<48	<61.0	3,900
CSW4	5/14/2021	0-4	<0.199	<0.022	<4.4	<8.9	<44	<57.3	7,100

"--" = Not Analyzed

BG: Background sample

SMA #

APPENDIX A

FORM C141

District I
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Release Notification

Responsible Party

Responsible Party	Enterprise Field Services LLC	OGRID	241602
Contact Name	Robert Dunaway	Contact Telephone	575-628-6802
Contact email	rhunaway@eprod.com	Incident # (assigned by OCD)	nAPP2113331984
Contact mailing address	PO Box 4324, Houston, TX 77210		

Location of Release Source

Latitude 32.309272 Longitude -104.035949
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Line 1003	Site Type	Gathering Pipeline
Date Release Discovered	May 7, 2021	API# (if applicable)	

Unit Letter	Section	Township	Range	County
A	13	23S	28E	Eddy

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: Mosaic Potash Carlsbad Inc.)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Natural Gas	Volume Released (Mcf) 74.33	Volume Recovered (Mcf) - 0
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Found a leak on a gathering pipeline, cause is to be determined.

Form C-141

Page 2


State of New Mexico
Oil Conservation Division

Incident ID	NAPP2113331984
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Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? 	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: 	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.	
Printed Name: <u>Robert Dunaway</u>	Title: <u>Senior Environmental Engineer</u>
Signature: <u></u>	Date: <u>5/20/21</u>
email: <u>rhunaway@eprod.com</u>	Telephone: <u>575-628-6802</u>
<u>OCD Only</u>	
Received by: <u>Ramona Marcus</u>	Date: <u>5/23/2021</u>

APPENDIX B

WATER WELL DATA



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 02702	C	ED		2	13	23S	28E			590715	3575108*	43	38	20	18
C 01967	C	ED		2	3	13	23S	28E		590111	3574498*	898	264	200	64
C 01215	CUB	ED		4	2	3	13	23S	28E	590210	3574397*	909	104	15	89
C 01214	CUB	ED		1	2	3	13	23S	28E	590010	3574597*	912	70	20	50
C 01216	CUB	ED		4	1	1	13	23S	28E	589801	3575205*	956	60	45	15
C 04470 POD1	CUB	ED		3	1	3	07	23S	29E	591280	3576086	1095			
C 04490 POD2	CUB	ED		2	3	3	13	23S	28E	589899	3574259	1217	23	19	4
C 01217	CUB	ED		4	1	3	13	23S	28E	589789	3574371	1224	87	50	37

Average Depth to Water: **52 feet**

Minimum Depth: **15 feet**

Maximum Depth: **200 feet**

Record Count: 8

UTMNAD83 Radius Search (in meters):

Easting (X): 590754.64

Northing (Y): 3575125.11

Radius: 1608

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

6/7/21 7:55 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



[USGS Home](#)
[Contact USGS](#)
[Search USGS](#)

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

- Explore the New [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#) 

Groundwater levels for the Nation

* IMPORTANT: [Next Generation Station Page](#)

Search Results -- 1 sites found

site_no list =

- 321832104022001

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 321832104022001 23S.28E.13.142

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°18'32", Longitude 104°02'20" NAD27

Land-surface elevation 2,972 feet above NAVD88

The depth of the well is 45 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

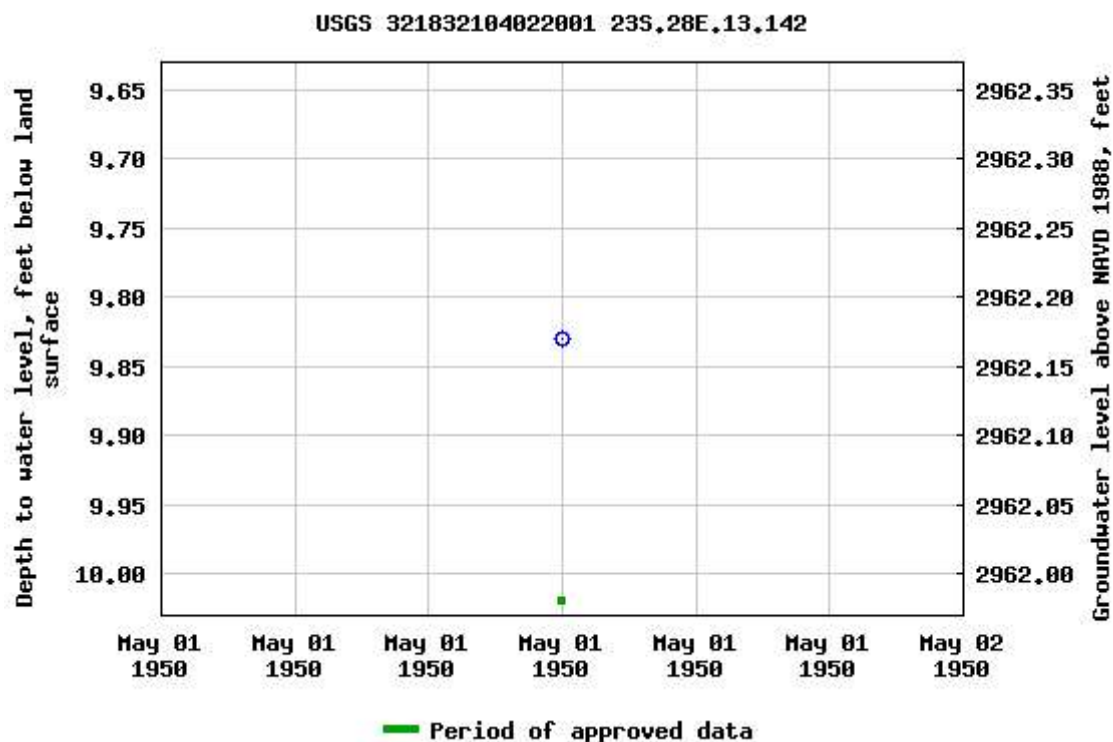
Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



Breaks in the plot represent a gap of at least one year between field measurements.

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Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>

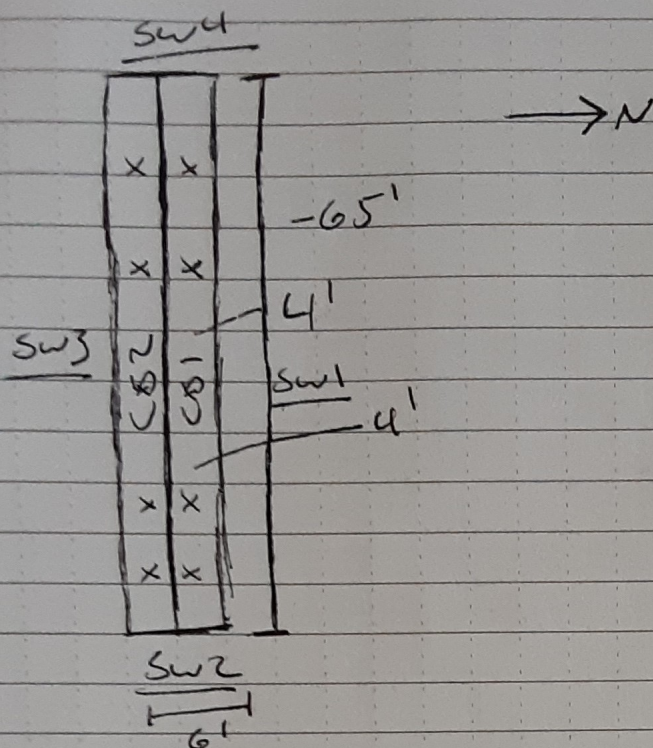
Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2021-06-11 11:37:13 EDT

0.74 0.61 nadww01



APPENDIX C FIELD NOTES & SITE PHOTOS



5/14/21
1003 Line
Enterprise

- One Composite Sample was taken on north side of pipeline and a Separate Composite on the South side of ~~center~~ Pipeline.

- Four Stillwell Composite Samples of Pit were collected.

- Back gravel Sample taken away from excavation showed surrounding area was high in chlorides.

- Seven total Samples were Rietel-Screened.

• Pipeline shown in middle of excavated area

Excavation depth = 4 Feet.

B61
0







APPENDIX D

LABORATORY ANALYTICAL REPORTS



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

May 19, 2021

Ashley Maxwell
Souder, Miller & Associates
201 S Halagueno
Carlsbad, NM 88221
TEL: (575) 689-8801
FAX

RE: 1003 Line Release

OrderNo.: 2105698

Dear Ashley Maxwell:

Hall Environmental Analysis Laboratory received 8 sample(s) on 5/15/2021 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 qualifiers 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 #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2105698

Date Reported: 5/19/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: CS1

Project: 1003 Line Release

Collection Date: 5/14/2021 9:45:00 AM

Lab ID: 2105698-001

Matrix: MEOH (SOIL)

Received Date: 5/15/2021 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	3700	150		mg/Kg	50	5/16/2021 10:21:16 AM	60057
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	5/15/2021 6:49:10 PM	60064
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	5/15/2021 6:49:10 PM	60064
Surr: DNOP	108	70-130		%Rec	1	5/15/2021 6:49:10 PM	60064
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	5/15/2021 12:18:00 PM	G77415
Surr: BFB	92.7	70-130		%Rec	1	5/15/2021 12:18:00 PM	G77415
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.019		mg/Kg	1	5/15/2021 12:18:00 PM	R77415
Toluene	ND	0.037		mg/Kg	1	5/15/2021 12:18:00 PM	R77415
Ethylbenzene	ND	0.037		mg/Kg	1	5/15/2021 12:18:00 PM	R77415
Xylenes, Total	ND	0.074		mg/Kg	1	5/15/2021 12:18:00 PM	R77415
Surr: 4-Bromofluorobenzene	87.2	70-130		%Rec	1	5/15/2021 12:18:00 PM	R77415

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
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 1 of 12

Analytical Report

Lab Order 2105698

Date Reported: 5/19/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: CS2

Project: 1003 Line Release

Collection Date: 5/14/2021 9:50:00 AM

Lab ID: 2105698-002

Matrix: MEOH (SOIL)

Received Date: 5/15/2021 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	3500	150		mg/Kg	50	5/16/2021 10:33:41 AM	60057
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	5/15/2021 7:02:14 PM	60064
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/15/2021 7:02:14 PM	60064
Surr: DNOP	111	70-130		%Rec	1	5/15/2021 7:02:14 PM	60064
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	4.0	3.2		mg/Kg	1	5/15/2021 12:37:00 PM	G77415
Surr: BFB	111	70-130		%Rec	1	5/15/2021 12:37:00 PM	G77415
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.016		mg/Kg	1	5/15/2021 12:37:00 PM	R77415
Toluene	ND	0.032		mg/Kg	1	5/15/2021 12:37:00 PM	R77415
Ethylbenzene	ND	0.032		mg/Kg	1	5/15/2021 12:37:00 PM	R77415
Xylenes, Total	ND	0.064		mg/Kg	1	5/15/2021 12:37:00 PM	R77415
Surr: 4-Bromofluorobenzene	89.3	70-130		%Rec	1	5/15/2021 12:37:00 PM	R77415

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
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 2 of 12

Analytical Report

Lab Order 2105698

Date Reported: 5/19/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: CSW1

Project: 1003 Line Release

Collection Date: 5/14/2021 9:55:00 AM

Lab ID: 2105698-003

Matrix: MEOH (SOIL)

Received Date: 5/15/2021 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	3700	150		mg/Kg	50	5/16/2021 10:46:05 AM	60057
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	5/15/2021 7:15:00 PM	60064
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/15/2021 7:15:00 PM	60064
Surr: DNOP	112	70-130		%Rec	1	5/15/2021 7:15:00 PM	60064
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	2.9		mg/Kg	1	5/15/2021 12:57:00 PM	G77415
Surr: BFB	90.7	70-130		%Rec	1	5/15/2021 12:57:00 PM	G77415
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.014		mg/Kg	1	5/15/2021 12:57:00 PM	R77415
Toluene	ND	0.029		mg/Kg	1	5/15/2021 12:57:00 PM	R77415
Ethylbenzene	ND	0.029		mg/Kg	1	5/15/2021 12:57:00 PM	R77415
Xylenes, Total	ND	0.057		mg/Kg	1	5/15/2021 12:57:00 PM	R77415
Surr: 4-Bromofluorobenzene	87.9	70-130		%Rec	1	5/15/2021 12:57:00 PM	R77415

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
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 3 of 12

Analytical Report

Lab Order 2105698

Date Reported: 5/19/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: CSW2

Project: 1003 Line Release

Collection Date: 5/14/2021 10:00:00 AM

Lab ID: 2105698-004

Matrix: MEOH (SOIL)

Received Date: 5/15/2021 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	11000	300		mg/Kg	100	5/16/2021 10:58:30 AM	60057
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	18	9.3		mg/Kg	1	5/15/2021 7:28:00 PM	60064
Motor Oil Range Organics (MRO)	78	47		mg/Kg	1	5/15/2021 7:28:00 PM	60064
Surr: DNOP	112	70-130		%Rec	1	5/15/2021 7:28:00 PM	60064
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	3.2		mg/Kg	1	5/15/2021 1:17:00 PM	G77415
Surr: BFB	93.8	70-130		%Rec	1	5/15/2021 1:17:00 PM	G77415
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.016		mg/Kg	1	5/15/2021 1:17:00 PM	R77415
Toluene	ND	0.032		mg/Kg	1	5/15/2021 1:17:00 PM	R77415
Ethylbenzene	ND	0.032		mg/Kg	1	5/15/2021 1:17:00 PM	R77415
Xylenes, Total	ND	0.065		mg/Kg	1	5/15/2021 1:17:00 PM	R77415
Surr: 4-Bromofluorobenzene	87.4	70-130		%Rec	1	5/15/2021 1:17:00 PM	R77415

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
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 4 of 12

Analytical Report

Lab Order 2105698

Date Reported: 5/19/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: CSW3

Project: 1003 Line Release

Collection Date: 5/14/2021 10:05:00 AM

Lab ID: 2105698-005

Matrix: MEOH (SOIL)

Received Date: 5/15/2021 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	3900	150		mg/Kg	50	5/16/2021 11:10:55 AM	60057
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	5/15/2021 7:40:36 PM	60064
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/15/2021 7:40:36 PM	60064
Surr: DNOP	107	70-130		%Rec	1	5/15/2021 7:40:36 PM	60064
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	5/15/2021 1:37:00 PM	G77415
Surr: BFB	88.3	70-130		%Rec	1	5/15/2021 1:37:00 PM	G77415
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.017		mg/Kg	1	5/15/2021 1:37:00 PM	R77415
Toluene	ND	0.035		mg/Kg	1	5/15/2021 1:37:00 PM	R77415
Ethylbenzene	ND	0.035		mg/Kg	1	5/15/2021 1:37:00 PM	R77415
Xylenes, Total	ND	0.070		mg/Kg	1	5/15/2021 1:37:00 PM	R77415
Surr: 4-Bromofluorobenzene	84.7	70-130		%Rec	1	5/15/2021 1:37:00 PM	R77415

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
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 5 of 12

Analytical Report

Lab Order 2105698

Date Reported: 5/19/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: CSW4

Project: 1003 Line Release

Collection Date: 5/14/2021 10:10:00 AM

Lab ID: 2105698-006

Matrix: MEOH (SOIL)

Received Date: 5/15/2021 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	7100	300		mg/Kg	100	5/16/2021 11:23:19 AM	60057
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	5/15/2021 7:53:37 PM	60064
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	5/15/2021 7:53:37 PM	60064
Surr: DNOP	106	70-130		%Rec	1	5/15/2021 7:53:37 PM	60064
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.4		mg/Kg	1	5/15/2021 1:57:00 PM	G77415
Surr: BFB	92.7	70-130		%Rec	1	5/15/2021 1:57:00 PM	G77415
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.022		mg/Kg	1	5/15/2021 1:57:00 PM	R77415
Toluene	ND	0.044		mg/Kg	1	5/15/2021 1:57:00 PM	R77415
Ethylbenzene	ND	0.044		mg/Kg	1	5/15/2021 1:57:00 PM	R77415
Xylenes, Total	ND	0.089		mg/Kg	1	5/15/2021 1:57:00 PM	R77415
Surr: 4-Bromofluorobenzene	87.0	70-130		%Rec	1	5/15/2021 1:57:00 PM	R77415

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
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 6 of 12

Analytical Report

Lab Order 2105698

Date Reported: 5/19/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: Spoils

Project: 1003 Line Release

Collection Date: 5/14/2021 10:15:00 AM

Lab ID: 2105698-007

Matrix: MEOH (SOIL)

Received Date: 5/15/2021 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	7700	300		mg/Kg	100	5/16/2021 11:35:44 AM	60057
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	940	98		mg/Kg	10	5/17/2021 9:05:39 AM	60064
Motor Oil Range Organics (MRO)	1300	490		mg/Kg	10	5/17/2021 9:05:39 AM	60064
Surr: DNOP	0	70-130	S	%Rec	10	5/17/2021 9:05:39 AM	60064
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	19		mg/Kg	5	5/15/2021 2:17:00 PM	G77415
Surr: BFB	113	70-130		%Rec	5	5/15/2021 2:17:00 PM	G77415
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.094		mg/Kg	5	5/15/2021 2:17:00 PM	R77415
Toluene	ND	0.19		mg/Kg	5	5/15/2021 2:17:00 PM	R77415
Ethylbenzene	ND	0.19		mg/Kg	5	5/15/2021 2:17:00 PM	R77415
Xylenes, Total	ND	0.38		mg/Kg	5	5/15/2021 2:17:00 PM	R77415
Surr: 4-Bromofluorobenzene	88.0	70-130		%Rec	5	5/15/2021 2:17:00 PM	R77415

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
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 7 of 12

Analytical Report

Lab Order 2105698

Date Reported: 5/19/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Client Sample ID: Background

Project: 1003 Line Release

Collection Date: 5/14/2021 10:20:00 AM

Lab ID: 2105698-008

Matrix: MEOH (SOIL)

Received Date: 5/15/2021 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	12000	590		mg/Kg	200	5/16/2021 11:48:09 AM	60057

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
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Page 8 of 12

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2105698

19-May-21

Client: Souder, Miller & Associates**Project:** 1003 Line Release

Sample ID: MB-60057	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 60057	RunNo: 77418								
Prep Date: 5/15/2021	Analysis Date: 5/15/2021	SeqNo: 2747487	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-60057	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 60057	RunNo: 77418								
Prep Date: 5/15/2021	Analysis Date: 5/15/2021	SeqNo: 2747488	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.5	90	110			

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
PQL Practical Quantitative Limit
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 Limit

Page 9 of 12

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2105698

19-May-21

Client: Souder, Miller & Associates**Project:** 1003 Line Release

Sample ID: MB-60064	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 60064	RunNo: 77423								
Prep Date: 5/15/2021	Analysis Date: 5/15/2021	SeqNo: 2747821		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		105	70	130			

Sample ID: LCS-60064	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 60064	RunNo: 77423								
Prep Date: 5/15/2021	Analysis Date: 5/15/2021	SeqNo: 2747822		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	102	68.9	141			
Surr: DNOP	5.0		5.000		99.6	70	130			

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
PQL Practical Quantitative Limit
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 Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2105698

19-May-21

Client: Souder, Miller & Associates**Project:** 1003 Line Release

Sample ID: 2105698-001ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: CS1	Batch ID: G77415	RunNo: 77415								
Prep Date:	Analysis Date: 5/15/2021	SeqNo: 2748582	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	95.4	61.3	114			
Surr: BFB	1000		1000		103	70	130			

Sample ID: 2105698-001amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: CS1	Batch ID: G77415	RunNo: 77415								
Prep Date:	Analysis Date: 5/15/2021	SeqNo: 2748583	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	93.2	61.3	114	2.33	20	
Surr: BFB	1000		1000		100	70	130	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
PQL Practical Quantitative Limit
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 Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2105698

19-May-21

Client: Souder, Miller & Associates**Project:** 1003 Line Release

Sample ID: 2105698-002ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: CS2	Batch ID: R77415	RunNo: 77415								
Prep Date:	Analysis Date: 5/15/2021	SeqNo: 2748584	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	96.1	76.3	120			
Toluene	0.95	0.050	1.000	0	94.6	78.5	120			
Ethylbenzene	0.99	0.050	1.000	0	98.7	78.1	124			
Xylenes, Total	2.9	0.10	3.000	0.05816	96.0	79.3	125			
Surr: 4-Bromofluorobenzene	0.88		1.000		87.9	70	130			

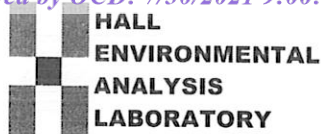
Sample ID: 2105698-002amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: CS2	Batch ID: R77415	RunNo: 77415								
Prep Date:	Analysis Date: 5/15/2021	SeqNo: 2748585	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	97.0	80	120	0.875	20	
Toluene	0.95	0.050	1.000	0	95.5	80	120	0.936	20	
Ethylbenzene	1.0	0.050	1.000	0	99.6	80	120	0.876	20	
Xylenes, Total	3.0	0.10	3.000	0.05816	97.3	80	120	1.35	20	
Surr: 4-Bromofluorobenzene	0.91		1.000		91.4	70	130	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
PQL Practical Quantitative Limit
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 Limit

Page 12 of 12



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

Sample Log-In Check List

Client Name: **Souder, Miller & Associates**

Work Order Number: **2105698**

RcptNo: 1

Received By: **Sean Livingston**

5/15/2021 9:00:00 AM

Sean Livingston

Completed By: **Sean Livingston**

5/15/2021 9:20:54 AM

Sean Livingston

Reviewed By:

@ 05/15/2021

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4"$ for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. 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: *SL 5/15/21*

Special Handling (if applicable)

15. 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: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.0	Good				

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Chain-of-Custody Record									
Client: <u>SMA - Carl's best</u>		Turn-Around Time: <input type="checkbox"/> Standard <input checked="" type="checkbox"/> Rush <u>Same day</u>		Project Name: <u>1003 Live Release</u>					
Mailing Address:		Project #:		Project Manager: <u>Ashley Maxwell</u>					
Phone #:		Sampler:		On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
email or Fax#:		# of Coolers: <u>1</u>		Cooler Temp (including CF): <u>2.0 ± 0.2 °C</u>					
QA/QC Package: <input type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)		Accreditation: <input type="checkbox"/> Az Compliance <input type="checkbox"/> NELAC <input type="checkbox"/> Other		Container Type and #		Preservative Type		HEAL No.	
<input type="checkbox"/> EDD (Type)				402		Cool		2105608	
Date	Time	Matrix	Sample Name						
5/14	9:45	Soil	CS1						
	9:50		CS2						
	9:55		CSw1						
	10:00		CSw2						
	10:05		CSw3						
	10:10		CSw4						
	10:15		SPoils						
	10:20		Backlog						
Relinquished by: <u>TR Smith</u>		Received by: <u>Adumming</u>		Via:		Date		Time	
Date: 5/14	1550					5/14/21		1550	
Date: 5/14/21	1900	Adumming		Via: courier		5/15/21		9:00	

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
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 38895

CONDITIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 38895
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2113331984 LINE 1003, thank you. This closure is approved.	10/20/2021