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	NAPP2205537428
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Mustang Resources, LLC	OGRID 373495
Contact Name Deb Lemon	Contact Telephone 720-550-7507 ext 105
Contact email dlemon@mustangresourcesllc.com	Incident # *(assigned by OCD)* NAPP2205537428
Contact mailing address 1660 Lincoln Street, Suite 1450; Denver, CO 80216	

Location of Release Source

Latitude 36.85238 Longitude 108.2529
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Flush #1	Site Type O&G Wellpad
Date Release Discovered 02/17/2022	API# *(if applicable)* 30-045-30271

Unit Letter	Section	Township	Range	County
F	2	26N	13W	San Juan

Surface Owner: ☐ State ☐ Federal ☒ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
Unknown. This is an historical release.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2205537428,
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ 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

☒ The source of the release has been stopped.
☒ The impacted area has been secured to protect human health and the environment.
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not 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: Deb Lemon Title: Regulatory Manager

Signature: Deborah Lemon Date: 06/14/2022

email: dlemon@mustangresourcesllc.com Telephone: 720-550-7507 ext 105

OCD Only

Received by: _____ Date: _____

Incident ID	nAPP2205537428,
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	>100 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2205537428,
District RP	
Facility ID	
Application ID	

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: Deborah Lemon Title: Regulatory Manager

Signature: Deborah Lemon Type text here Date: June 24, 2022

email: dlemon@mustangresourcesllc.com Telephone: 720-550-7507

OCD Only

Received by: _____ Date: _____

Incident ID	nAPP2205537428,
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

- [X] Detailed description of proposed remediation technique
- [X] Scaled sitemap with GPS coordinates showing delineation points
- [X] Estimated volume of material to be remediated
- [X] Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- [X] Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

- [ ] Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- [ ] Extents of contamination must be fully delineated.
- [ ] Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: Deborah Lemon Title: Regulatory Manager

Signature: Deborah Lemon Date: June 24, 2022

email: dlemon@mustangresourcesllc.com Telephone: 720-550-7507

OCD Only

Received by: _____ Date: _____

- [ ] Approved
- [ ] Approved with Attached Conditions of Approval
- [ ] Denied
- [ ] Deferral Approved

Signature: _____ Date: _____

Incident ID	nAPP2205537428,
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: Deborah Lemon Title: Regulatory Manager

Signature: Deborah Lemon Date: June 24, 2022

email: dlemon@mustangresourcesllc.com Telephone: 720-550-7507

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: Nelson Velez Date: 07/07/2022

Printed Name: Nelson Velez Title: Environmental Specialist – Adv

VOLUME CALCULATIONS – Flush #1 Historical Pad Release

The porosity of sand (identified soil at time of reclamation) ranges from 0.25-0.5 % We erred on the side of caution and used the largest porosity of 0.5%

We know that we had 150 yards of contaminated soil, equaling 4,050 cubic feet. This is approximately 721 bbls of contaminated soil.
Using the porosity of 0.5% (0.005) …
721 bbls * 0.005 = 3.6 BBLs of fluid. While we were not the operator for the vast majority of this well and facilities life, we opted to err on the side of caution again and rounded to the nearest 5 bbl mark.

Since we don't have any more history on this location, this was our best justification.

Souder, Miller & Associates♦401 West Broadway♦Farmington, NM 87401
(505) 325-7535

June 20, 2022

#5131223-BG1

NMOCD District 3
1000 Rio Brazos Road
Aztec, New Mexico 87410

SUBJECT: Remediation Closure Report for the Flush #1 Pad Release (NAPP2205537428), San Juan County, New Mexico

1.0 Executive Summary

On behalf of Mustang Resources LLC (Mustang), Souder, Miller & Associates (SMA) has prepared this Remediation Closure Report that describes the remediation of a historical release related to oil and gas production activities at the Flush #1 Pad Release (NAPP2205537428). The release site is located in Unit F, Section 02, Township 26N, Range 13W, San Juan County, New Mexico, on Tribal (trust) land. Figure 1 illustrates the vicinity and site location on a United States Geological Survey (USGS) 7.5-minute quadrangle map.

This report demonstrates that the release area has been remediated to meet the standards of Table I of 19.15.29.12 New Mexico Administrative Code (NMAC). The information provided in this report is intended to fulfill final New Mexico Oil Conservation Division (NMOCD) closure requirements.

SMA recommends no further action and requests that the releases associated with the Flush #1 Pad Release (NAPP2205537428) be closed.

Table 1 summarizes release information and Closure Criteria.

Table 1: Release Information and Closure Criteria			
Name	Flush #1 Pad	Company	Mustang Resources LLC
API Number	30-045-30271	Location	36.519112, -108.191226
Tracking Number	NAPP2205537428		
Date Release Discovered	February 17, 2022	Date Reported to NMOCD	February 24, 2022
Land Owner	Tribal (trust)	Reported To	NMOCD District 3
Source of Release	Discovery of historical contamination during equipment removal		
Estimated Released Volume	5 bbl	Released Material	Motor oil
Recovered Volume	0 bbl	Net Release	0 BBL
NMOCD Closure Criteria	<50 feet		
SMA Response Dates	April 7, 2022; April 21, 2022; May 5, 2022; May 23, 2022		

2.0 Background

On February 17, 2022, a historical motor oil release was discovered at the Flush #1 Pad site. Initial response activities were conducted by Mustang, 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. A copy of the initial release notification form is included in Appendix A.

3.0 Site Information and Closure Criteria

The Flush #1 Pad site is located approximately 13 miles south of Farmington, New Mexico on Tribal (trust) land at an elevation of approximately 6,057 feet above mean sea level (amsl).

Depth to Groundwater

A search of the New Mexico Office of the State Engineer (OSE) New Mexico Water Rights Reporting System (NMWRRS) and the USGS National Water Information System did not yield any results within ½-mile of the site (Appendix B).

However, a below grade tank permit for the location approved on March 19, 2012, by Jonathan Kelly, NMOCD Compliance Officer, indicates that the depth to ground water is estimated to be greater than 100 feet bgs. A copy of the permit is included in Appendix B.

Wellhead Protection Area

There are no known water sources within ½-mile of the location, according to the OSE NMWRRS and USGS National Water Information System.

Distance to Nearest Significant Watercourse

The release site is located approximately 310 feet west of an unnamed water feature.

Table 2 demonstrates the Closure Criteria applicable to this location. Figures 1 and 2 illustrate the 200 and 300-foot radii which indicate that the site does not lie within a sensitive area as described in Paragraph (4) of Subsection (C) of 19.15.29.12 NMAC.

Since the site is being prepared for plug and abandonment activities and the release occurred within the upper four feet of soil cover, the applicable NMOCD Closure Criteria for this release is for a groundwater depth of less than 50 feet bgs.

4.0 Release Characterization and Remediation Activities

During April and May 2022, SMA personnel provided excavation guidance and performed closure confirmation sampling.

The final excavation measured approximately 33 feet x 27 feet with a depth ranging from 2 to 5 feet.

Fifteen (15) composite confirmation samples were collected from the excavation for laboratory analysis for total chloride using United States Environmental Protection Agency (USEPA) Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using USEPA Method 8260B or 8021B; and total petroleum hydrocarbons (TPH) as motor, diesel and gasoline range organics (MRO, DRO, and GRO) by USEPA Method 8015D. Excavation samples were composed of 5-point composites collected every 200 square feet or less in accordance with the sampling protocol included in Appendix C.

Soil samples were field screened for hydrocarbon impacts using a calibrated MiniRAE 3000 photoionization detector (PID) equipped with a 10.6 eV lamp and select samples were screened using a PetroFlag analyzer system. Field notes are included in Appendix D.

Excavation extents and closure confirmation sample locations are depicted in Figure 3. A photo log is included in Appendix D. Confirmation laboratory results are summarized in Table 3. Laboratory reports are included in Appendix E.

5.0 Recommendations

As demonstrated in Table 3, all closure confirmation samples meet NMOCD Closure Criteria. The release site has been remediated to meet the standards of Table I of 19.15.29.12 NMAC.

Impacted soil was transported and disposed of at Envirotech Landfarm, Farmington, New Mexico, an NMOCD-permitted disposal facility.

SMA recommends no further action and requests closure of Incident Number NAPP2205537428.

6.0 Scope and Limitations

The scope of our services included: assessment sampling; verifying release stabilization; regulatory liaison; remediation guidance; 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 San Juan Basin in New Mexico.

If there are any questions regarding this report, please contact Ashley Maxwell at 505-320-8975.

Submitted by:
SOUDER, MILLER & ASSOCIATES

Reviewed by:

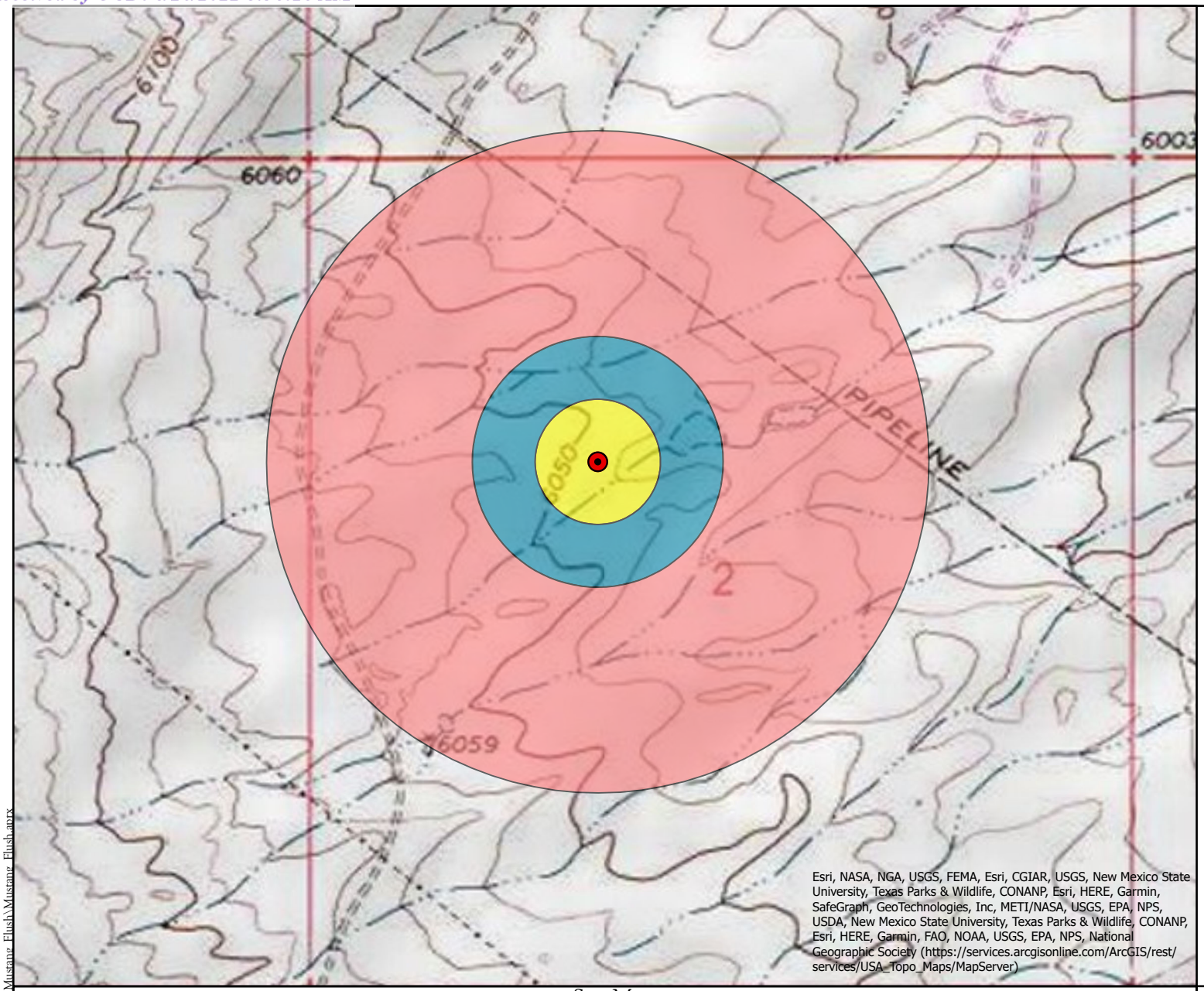
Ashley Maxwell
Project Scientist

Heather M. Woods, P.G.
Project Geoscientist

REFERENCES:

New Mexico Office of the State Engineer (NMOSE) online water well database
https://gis.ose.state.nm.us/gisapps/ose_pod_locations/; accessed 6/8/2022

FIGURES



Legend

- Point of Release

Buffer Distance

- 500 feet
- 1000 feet
- 0.5 mile

N

0 500 1,000 2,000

Feet

Scale: 1:14,209

Esri, NASA, NGA, USGS, FEMA, Esri, CGIAR, USGS, New Mexico State University, Texas Parks & Wildlife, CONANP, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, New Mexico State University, Texas Parks & Wildlife, CONANP, Esri, HERE, Garmin, FAO, NOAA, USGS, EPA, NPS, National Geographic Society (https://services.arcgisonline.com/ArcGIS/rest/services/USA_Topo_Maps/MapServer)

Coordinates:
-108.191226W 36.519112N

Site Map

Flush #001 - Mustang Resources LLC

UL: F S: 2 T: 26N R: 13W, San Juan County, New Mexico

Figure 1

C:\Users\ss\Desktop\GIS\Mustang\Mustang_Flush\Mustang_Flush.aprx
Date Saved: 6/8/2022

Revisions

By: _____ Date: _____ Descr: _____

By: _____ Date: _____ Descr: _____

Drawn Sarahmay Schlea

Date 6/8/2022

Checked _____

Approved _____

SMA
Souder, Miller & Associates
Engineering • Environmental
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Carlsbad, New Mexico 88221
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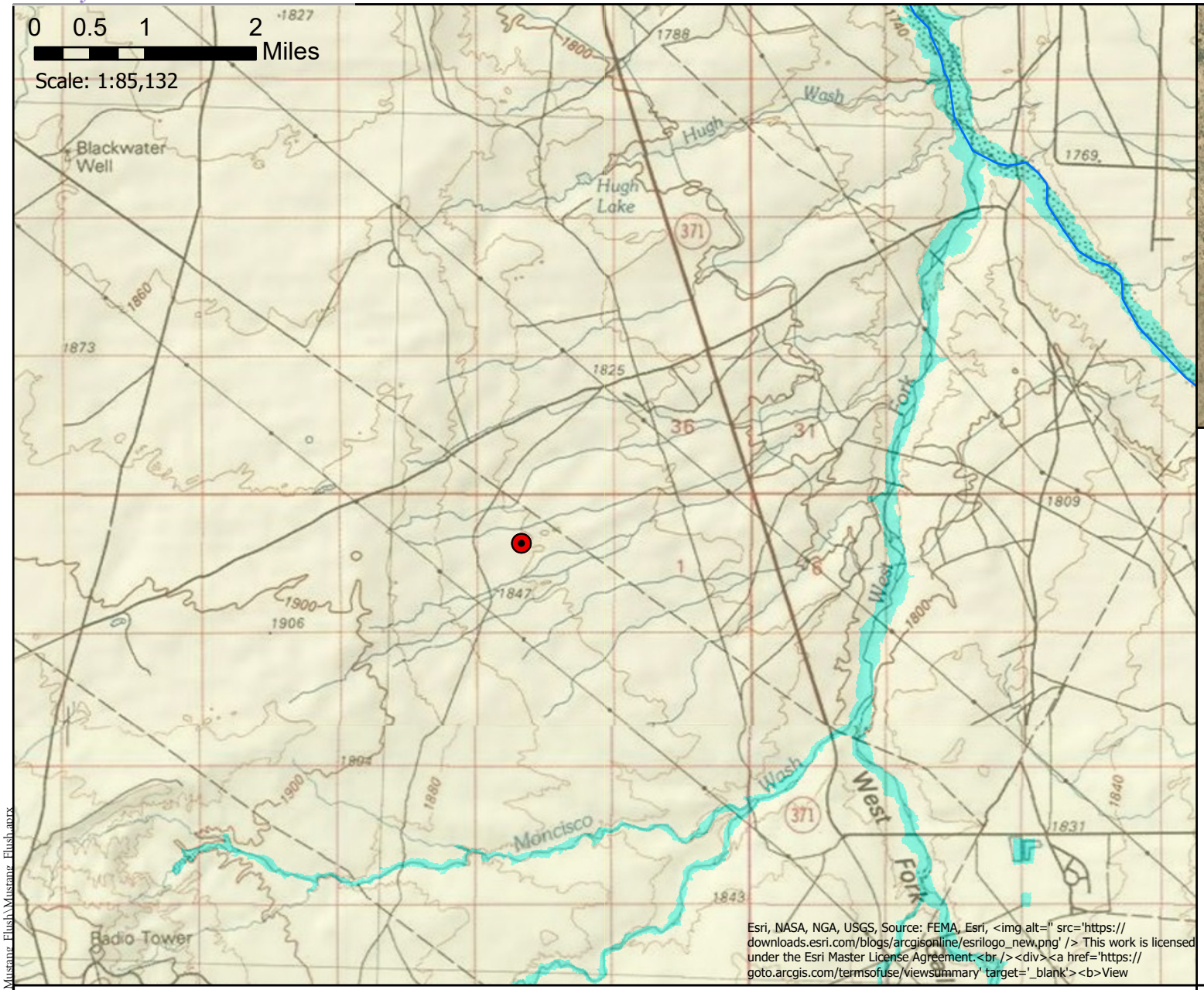

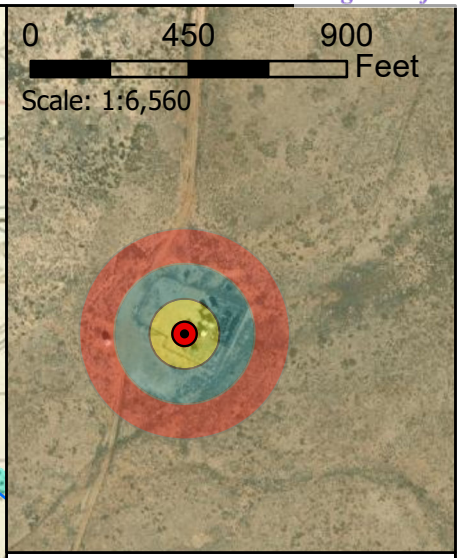

Legend

- Streams/Rivers/Canals
- Point of Release

Buffer Distance (ft)

- 100
- 200
- 300

FEMA Flood Zones

- 1% Chance Flood
- Area of Minimal Flood
- USA Topo Maps

N

Point of Release Coordinates:
-108.191226W 36.519112N

Surface Water Protection Map
Flush #001 - Mustang Resources LLC
UL: F S: 2 T: 26N R: 13W, San Juan County, New Mexico

Figure 2

C:\Users\ss\Desktop\GIS\Mustang\Mustang_Flush\Mustang_Flush.aprx
Date Saved: 6/7/2022

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

Drawn Sarahmay Schlea
Date 6/8/2022
Checked
Approved

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Legend

- Point of Release

Excavation Area

- B1
- B2
- B3
- RB4
- RB5

N

Point of Release Coordinates:
-108.191226W 36.519112N

Site and Sample Location Map
Flush #001 - Mustang Resources LLC
UL: F S: 2 T: 26N R: 13W, San Juan County, New Mexico

Figure 3

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Date Saved: 6/7/2022

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

Drawn Sarahmay Schlea
Date 6/8/2022
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Approved

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TABLES

Table 2:
NMOCD Closure Criteria

Mustang Resources, LLC
Flush #1
napp2205537428

Site Information (19.15.29.11.A(2, 3, and 4) NMAC)		Source/Notes
Depth to Groundwater (feet bgs)	>100	Below Grade Pit Permit
Hortizontal Distance From All Water Sources Within 1/2 Mile (mi)	>1/2	NMOSE and USGS Data
Hortizontal Distance to Nearest Significant Watercourse (ft)	313	United States Geological Survey 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		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:
Summary of Laboratory Analytical Results

Mustang Resources, LLC
Flush #1
napp2205537428

Sample ID	Sample Date	Depth of Sample (feet bgs)	Action Taken	Method 8021B or 8260B		Method 8015D				Method 300.0
				BTEX	Benzene	GRO	DRO	MRO	Total TPH	Chloride
				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
NMOCD Closure Criteria				50	10	--	--	--	100	600
SW1	4/7/2022	0-2	Excavated	<0.100	<0.0250	<20.0	**3200**	**1790**	**4990**	**63.9**
RSW1	4/21/2022	0-4.5	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SW2	4/7/2022	0-2	In-situ	<0.100	<0.0250	<20.0	**42.7**	<50.0	**42.7**	**69.6**
SW3	4/7/2022	0-3	Excavated	<0.100	<0.0250	<20.0	**152**	**226**	**378**	**70.8**
RSW3	4/21/2022	0-4	Excavated	<0.100	<0.0250	<20.0	**122**	**121**	**243**	**29.1**
RSW3 (2)	5/5/2022	0-4.5	Excavated	<0.100	<0.0250	<20.0	**334**	**418**	**752**	**62.8**
RSWS (3)	5/23/2022	0-4.5	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	**124**
SW4	4/7/2022	0-3	In-situ	<0.100	<0.0250	<20.0	**25.0**	<50.0	**25.0**	<20.0
B1	4/7/2022	2	In-situ	<0.100	<0.0250	<20.0	**35.9**	<50.0	**35.9**	**102**
B2	4/7/2022	2	In-situ	**0.037**	<0.0250	<20.0	**68.9**	<50.0	**68.9**	**150**
B3	4/7/2022	2	In-situ	**0.025**	<0.0250	<20.0	<25.0	<50.0	<95.0	**101**
B4	4/7/2022	4	Excavated	<0.100	<0.0250	<20.0	**250**	**210**	**460**	**20.5**
RB4	4/21/2022	4.5	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	**35.2**
B5	4/7/2022	3	Excavated	<0.100	<0.0250	<20.0	**269**	**244**	**513**	<20.0
RB5	4/21/2022	4.5	In-situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	**20.7**

NMOCD - New Mexico Oil Conservation Division
BTEX - total benzene, ethylbenzene, toluene, and xylenes
GRO - gasoline range organics
DRO - diesel range organics
MRO - motor oil range organics
TPH - total petroleum hydrocarbons
bgs - below grade surface
mg/kg - milligrams per kilogram

APPENDIX A

RELEASE NOTIFICATION

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

QUESTIONS

Operator: Mustang Resources LLC 1660 Lincoln Street Denver, CO 80264	OGRID: 373495
	Action Number: 83942
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source *Please answer all of the questions in this group.*	
Site Name	Flush #1 pad
Date Release Discovered	02/17/2022
Surface Owner	Indian

Incident Details *Please answer all of the questions in this group.*	
Incident Type	Other
Did this release result in a fire or is the result of a fire	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release *Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	*Not answered.*
Is the concentration of dissolved chloride in the produced water >10,000 mg/l	*Not answered.*
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	Cause: Other | Motor | Lube Oil | Released: 5 BBL | Recovered: 5 BBL | Lost: 0 BBL]
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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
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QUESTIONS (continued)

Operator: Mustang Resources LLC 1660 Lincoln Street Denver, CO 80264	OGRID: 373495
	Action Number: 83942
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**More volume information must be supplied to determine if this will be treated as a "gas only" report.**
Was this a major release as defined by 19.15.29.7(A) NMAC	**No, minor release.**
Reasons why this would be considered a submission for a notification of a major release	
If YES, was immediate notice given to the OCD, by whom	*Not answered.*
If YES, was immediate notice given to the OCD, to whom	*Not answered.*
If YES, was immediate notice given to the OCD, when	*Not answered.*
If YES, was immediate notice given to the OCD, by what means (phone, email, etc.)	*Not answered.*
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
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 prepare and attach a narrative of actions to date in the follow-up C-141 submission. 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 prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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Energy, Minerals and Natural Resources
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1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Operator: Mustang Resources LLC 1660 Lincoln Street Denver, CO 80264	OGRID: 373495
	Action Number: 83942
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

☑	I acknowledge that I am authorized to submit notification of a releases on behalf of my operator.
☑	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
☑	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
☑	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.
☑	I acknowledge the fact that 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.
☑	I acknowledge the fact that, 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.

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

CONDITIONS

Operator:	OGRID:
Mustang Resources LLC 1660 Lincoln Street Denver, CO 80264	373495
	Action Number: 83942
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
dlemon	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	2/24/2022

APPENDIX B

WATER WELL DATA

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

No records found.

PLSS Search:

Section(s): 34, 35, 36 **Township:** 27N **Range:** 13W

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

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

Form C-144
July 21, 2008

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office.
For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

1664

Pit, Closed-Loop System, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

Type of action: ☐ Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method
☐ Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method
☐ Modification to an existing permit
☐ Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method

Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.
Operator: **Merrion Oil & Gas Corporation** OGRID #: **14634**
Address: **610 Reilly Ave Farmington, NM 87401**
Facility or well name: **Flush #1**
API Number: **30-045-30271** OCD Permit Number: _____
U/L or Qtr/Qtr **F** Section **2** Township **26N** Range **13W** County: **San Juan**
Center of Proposed Design: Latitude **36.519253932 N** Longitude **-108.191492827 W** NAD: ☒1927 ☐ 1983
Surface Owner: ☐ Federal ☒ State ☐ Private ☐ Tribal Trust or Indian Allotment

2.
☐ **Pit:** Subsection F or G of 19.15.17.11 NMAC
Temporary: ☐ Drilling ☐ Workover
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A
☐ Lined ☐ Unlined Liner type: Thickness _____mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other _____
☐ String-Reinforced
Liner Seams: ☐ Welded ☐ Factory ☐ Other _____ Volume: _____bbl Dimensions: L_____ x W_____ x D_____

3.
☐ **Closed-loop System:** Subsection H of 19.15.17.11 NMAC
Type of Operation: ☐ P&A ☐ Drilling a new well ☐ Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent)
☐ Drying Pad ☐ Above Ground Steel Tanks ☐ Haul-off Bins ☐ Other _____
☐ Lined ☐ Unlined Liner type: Thickness _____mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other _____
Liner Seams: ☐ Welded ☐ Factory ☐ Other _____

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OIL CONS. DIV. DIST. 3

4.
☒ **Below-grade tank:** Subsection I of 19.15.17.11 NMAC
Volume: **400** bbl Type of fluid: Water
Tank Construction material: **Welded Metal**
☒ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other _____
Liner type: Thickness _____mil ☐ HDPE ☐ PVC ☐ Other _____

5.
☐ **Alternative Method:**
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

6.
Fencing: Subsection D of 19.15.17.11 NMAC *(Applies to permanent pits, temporary pits, and below-grade tanks)*

☐ Chain link, six feet in height, two strands of barbed wire at top *(Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)*

☒ Four foot height, four strands of barbed wire evenly spaced between one and four feet

☐ Alternate. Please specify_____

7.
Netting: Subsection E of 19.15.17.11 NMAC *(Applies to permanent pits and permanent open top tanks)*

☐ Screen ☐ Netting ☐ Other_____

☐ Monthly inspections (If netting or screening is not physically feasible)

8.
Signs: Subsection C of 19.15.17.11 NMAC

☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

☒ Signed in compliance with 19.15.3.103 NMAC

9.
Administrative Approvals and Exceptions:
Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.

Please check a box if one or more of the following is requested, if not leave blank:

☐ Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau office for consideration of approval.

☐ Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

10.
Siting Criteria (regarding permitting): 19.15.17.10 NMAC

Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. **Siting criteria does not apply to drying pads or above-grade tanks associated with a closed-loop system.**

Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☒ No
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. *(Applies to temporary, emergency, or cavitation pits and below-grade tanks)* - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☒ No ☐ NA
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. *(Applies to permanent pits)* - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No ☒ NA
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☒ No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☒ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☒ No
Within a 100-year floodplain. - FEMA map	☐ Yes ☒ No

11.
Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☒ Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
- ☐ Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC
- ☒ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☒ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☒ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☒ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

☐ Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____

12.
Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9
- ☐ Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

☐ Previously Approved Design (attach copy of design) API Number: _____

☐ Previously Approved Operating and Maintenance Plan API Number: _____ *(Applies only to closed-loop system that use above ground steel tanks or haul-off bins and propose to implement waste removal for closure)*

13.
Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC
- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Climatological Factors Assessment
- ☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Quality Control/Quality Assurance Construction and Installation Plan
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Nuisance or Hazardous Odors, including H_2S, Prevention Plan
- ☐ Emergency Response Plan
- ☐ Oil Field Waste Stream Characterization
- ☐ Monitoring and Inspection Plan
- ☐ Erosion Control Plan
- ☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

14.
Proposed Closure: 19.15.17.13 NMAC
Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.

Type: ☐ Drilling ☐ Workover ☐ Emergency ☐ Cavitation ☐ P&A ☐ Permanent Pit ☒ Below-grade Tank ☐ Closed-loop System ☐ Alternative

Proposed Closure Method: ☒ Waste Excavation and Removal
☐ Waste Removal (Closed-loop systems only)
☐ On-site Closure Method (Only for temporary pits and closed-loop systems)
☐ In-place Burial ☐ On-site Trench Burial
☐ Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)

15.
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***

- ☒ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☒ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
- ☒ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)
- ☒ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☒ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC
- ☒ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

16.
Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.D NMAC)
Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required.

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Will any of the proposed closed-loop system operations and associated activities occur on or in areas that *will not* be used for future service and operations?
☐ Yes (If yes, please provide the information below) ☐ No

Required for impacted areas which will not be used for future service and operations.
☐ Soil Backfill and Cover Design Specifications - - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC
☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

17.
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC
Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.

Ground water is less than 50 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No
Within a 100-year floodplain. - FEMA map	☐ Yes ☐ No

18.
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
☐ Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
☐ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
☐ Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)
☐ Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC
☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

19.
Operator Application Certification:

I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): **Philana Thompson** Title: **Regulatory Compliance Specialist**

Signature: Philana Thompson Date: 9/16/08

e-mail address: **pthompson@merrion.bz** Telephone: **505-324-5336**

20.
OCD Approval: ☒ Permit Application (including closure plan) ☐ Closure Plan (only) ☐ OCD Conditions (see attachment)

OCD Representative Signature: Jonathan D. Kelly **Approval Date:** 3/19/2012

Title: Compliance Officer **OCD Permit Number:**

21.
Closure Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 NMAC

Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.

☐ **Closure Completion Date:**

22.
Closure Method:

☐ Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-loop systems only)

☐ If different from approved plan, please explain.

23.
Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:

Instructions: Please indentify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.

Disposal Facility Name: Disposal Facility Permit Number:

Disposal Facility Name: Disposal Facility Permit Number:

Were the closed-loop system operations and associated activities performed on or in areas that *will not* be used for future service and operations?

☐ Yes (If yes, please demonstrate compliance to the items below) ☐ No

Required for impacted areas which will not be used for future service and operations:

☐ Site Reclamation (Photo Documentation)
☐ Soil Backfilling and Cover Installation
☐ Re-vegetation Application Rates and Seeding Technique

24.
Closure Report Attachment Checklist: ***Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.***

☐ Proof of Closure Notice (surface owner and division)
☐ Proof of Deed Notice (required for on-site closure)
☐ Plot Plan (for on-site closures and temporary pits)
☐ Confirmation Sampling Analytical Results (if applicable)
☐ Waste Material Sampling Analytical Results (required for on-site closure)
☐ Disposal Facility Name and Permit Number
☐ Soil Backfilling and Cover Installation
☐ Re-vegetation Application Rates and Seeding Technique
☐ Site Reclamation (Photo Documentation)

On-site Closure Location: Latitude Longitude NAD: ☐1927 ☐1983

25.
Operator Closure Certification:

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): Title:

Signature: Date:

e-mail address: Telephone:

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 27N Range: 13W Sections

NAD27 X Y Zone: Search Radius

County: Basin Number: Suffix:

Owner Name (First) (Last) ○ Non-Domestic ○ Domestic ◉ All

POD / Surface Data Report | Avg Depth to Water Report | Water Column Report

Clear Form | iWATERS Menu | Help

POD / SURFACE DATA REPORT 09/18/2008

(acre ft per annum) (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest) X Y are in Feet UTM are in Meters)

DB File Nbr	Use	Diversion	Owner	POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM Zone	Easting	Northing	Start Date	Finish Date	Depth Well	Depth (ir Water
RG 44629	DOM	3	DON B. PENNIVGTON	RG 44629	Shallow	27N	13W	33							13	211276	4047796	10/21/1985	10/24/1985	366	310

Record Count: 1

New Mexico Office of the State Engineer
POD Reports and Downloads

Township 27N Range 13W Sections:

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First): (Last): ○ Non-Domestic ○ Domestic ◉ All

POD / Surface Data Report | Avg Depth to Water Report | Water Column Report

Clear Form | iWATERS Menu | Help

POD / SURFACE DATA REPORT 09/18/2008

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are biggest to smallest) X Y are in Feet | UTM are in Meters)

DB File Nbr	Use	(acre ft per annum) Diversion	Owner	POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing	Start Date	Finish Date	Depth Well	Depth (ir Water
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Record Count: 1

State of New Mexico
Energy, Minerals & Mining Resources Department

Form C - 102

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-045-30271	96160	SWD; Mesa Verde

Property Code	Property Name	Well Number
26049	FLUSH	1

OGRID No.	Operator Name	Elevation
014634	MERRION OIL & GAS	6047'

Surface Location

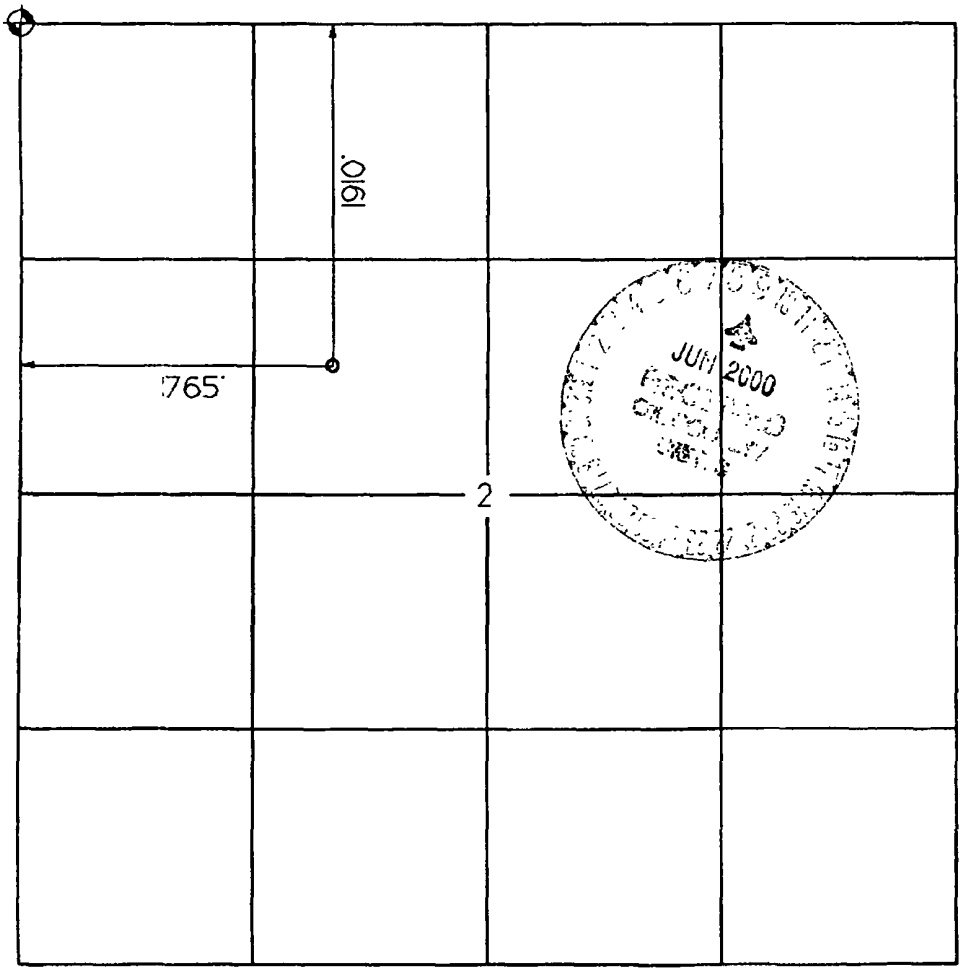
UL or Lot	Sec.	Twp.	Rge.	Lot Idn.	Feet from>	North/South	Feet from>	East/West	County
F	2	26 N.	13 W.	SENW	1910	NORTH	1765	WEST	SAN JUAN

Bottom Hole Location If Different From Surface

UL or Lot	Sec.	Twp.	Rge.	Lot Idn.	Feet from>	North/South	Feet from>	East/West	County

Dedication	Joint ?	Consolidation	Order No.

NO ALLOWABLE WILL ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature

Printed Name
Steven S. Dunn

Title
Drlg & Prod Manager

Date
6/07/00

SURVEYOR CERTIFICATION

I hereby certify that the well location on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

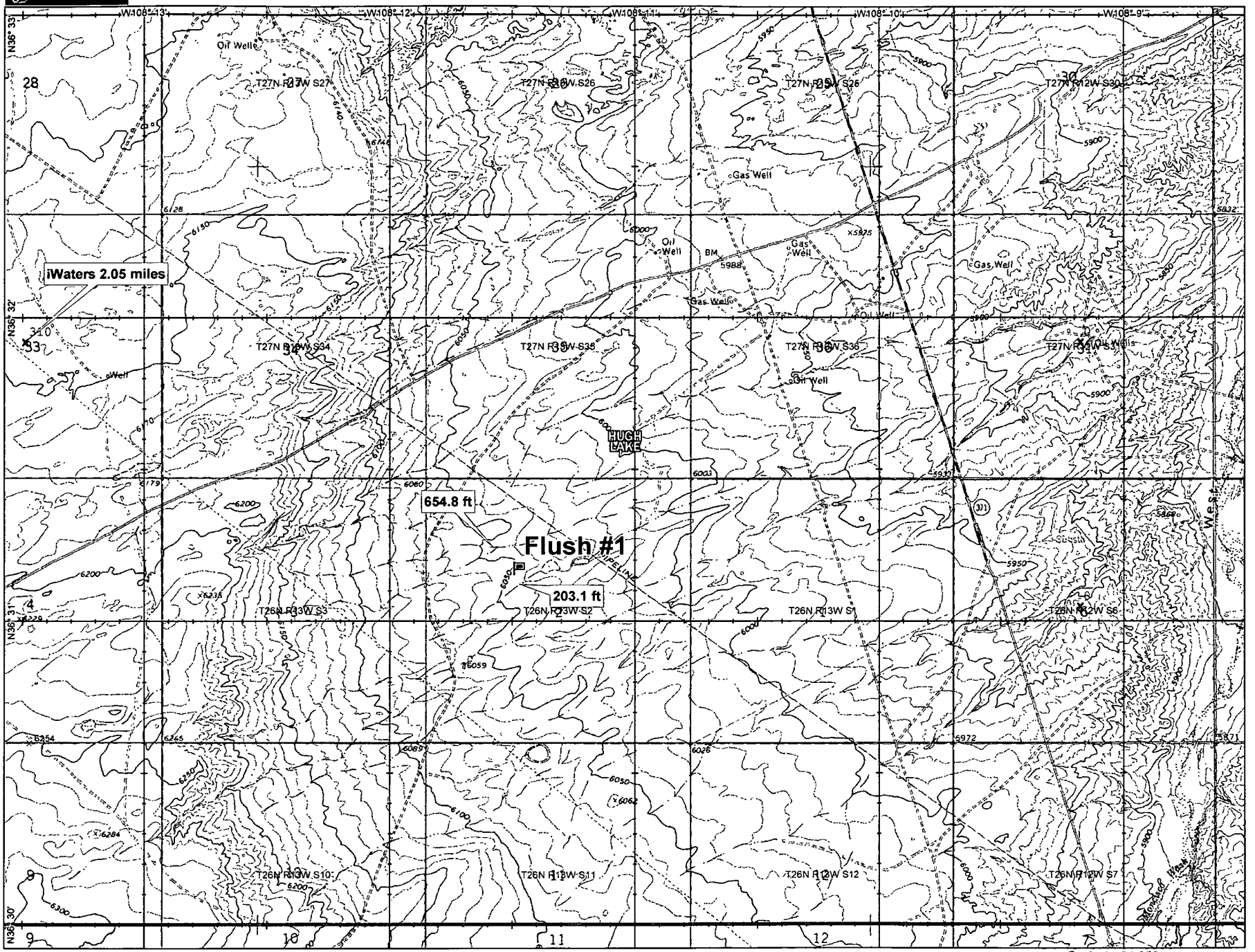
Date of Survey
18 MAY 2000

Signature and Seal of Professional Surveyor

GERALD HUDDLESTON
NEW MEXICO
6844
REGISTERED LAND SURVEYOR

DeLORME

XMap® 6



Data use subject to license

© DeLorme XMap® 6.

www delorme com

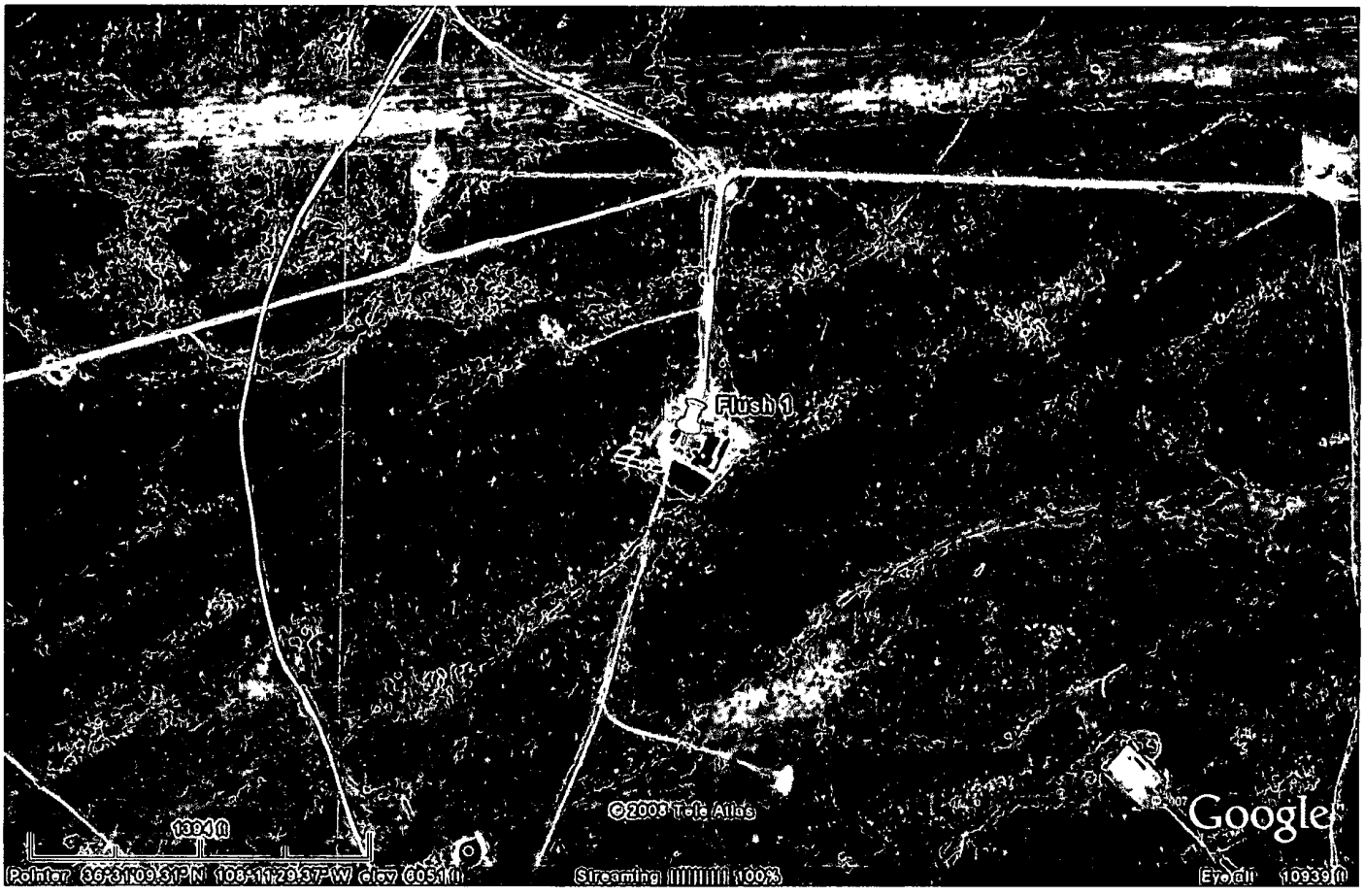
TN

MN (10 4°E)

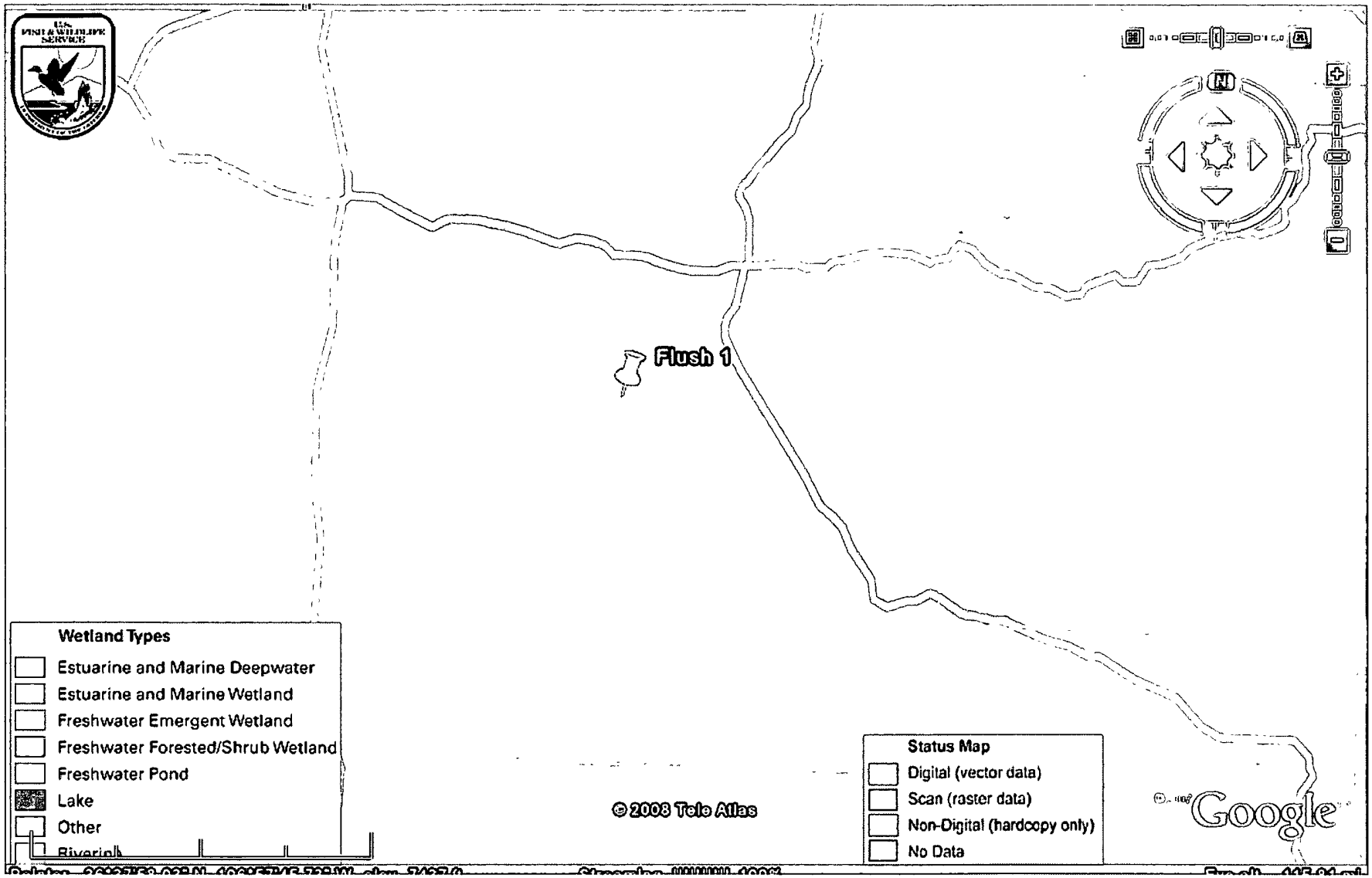
Scale 1 : 31,250

1" = 2,604 2 ft

Data Zoom 12-6

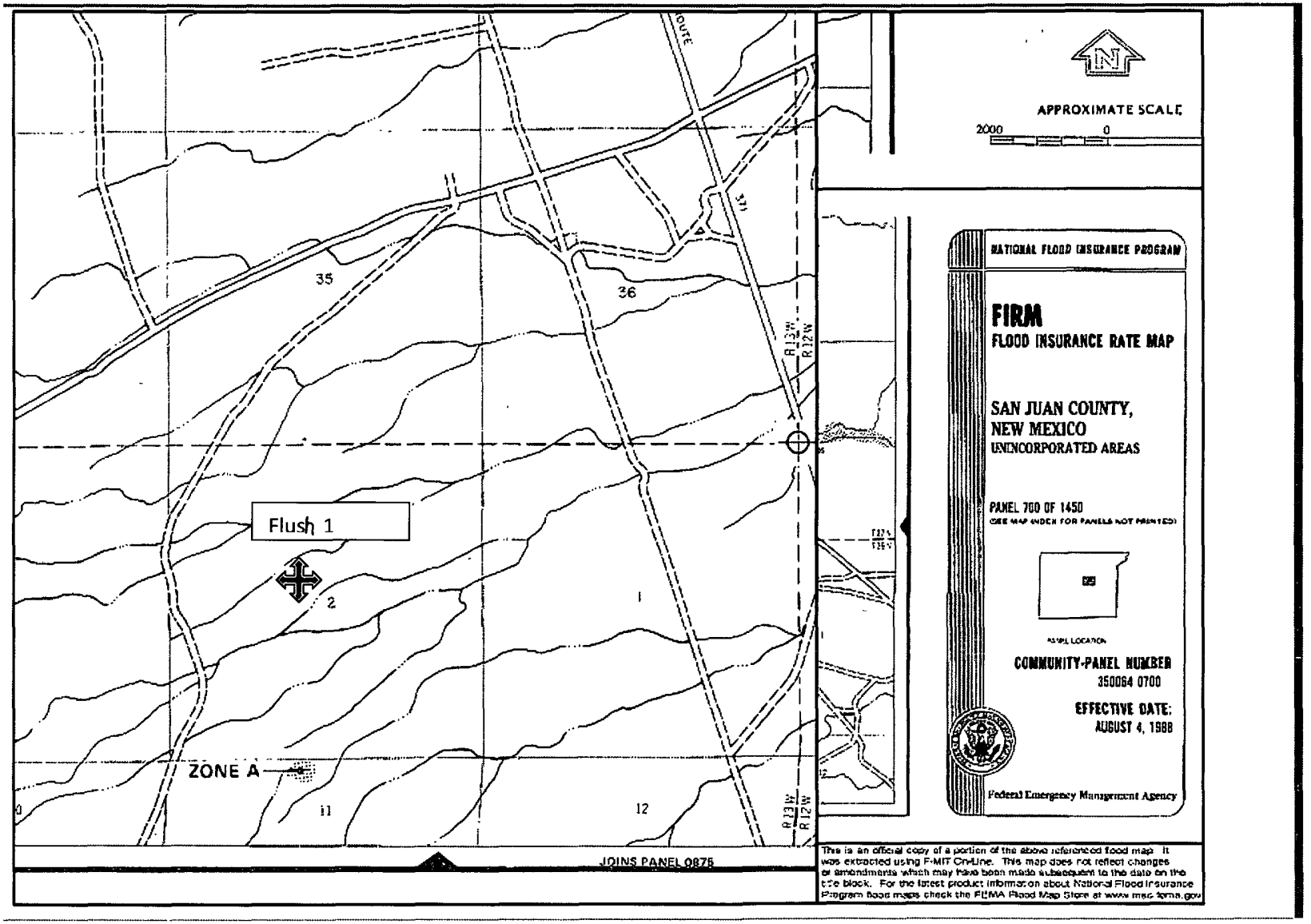

Flush 1
1394 ft
©2008 Tele Atlas
Google
Pointer 36°31'09.31" N 108°11'29.37" W elev 6051 ft
Streaming 100%
Eye alt 10939 ft

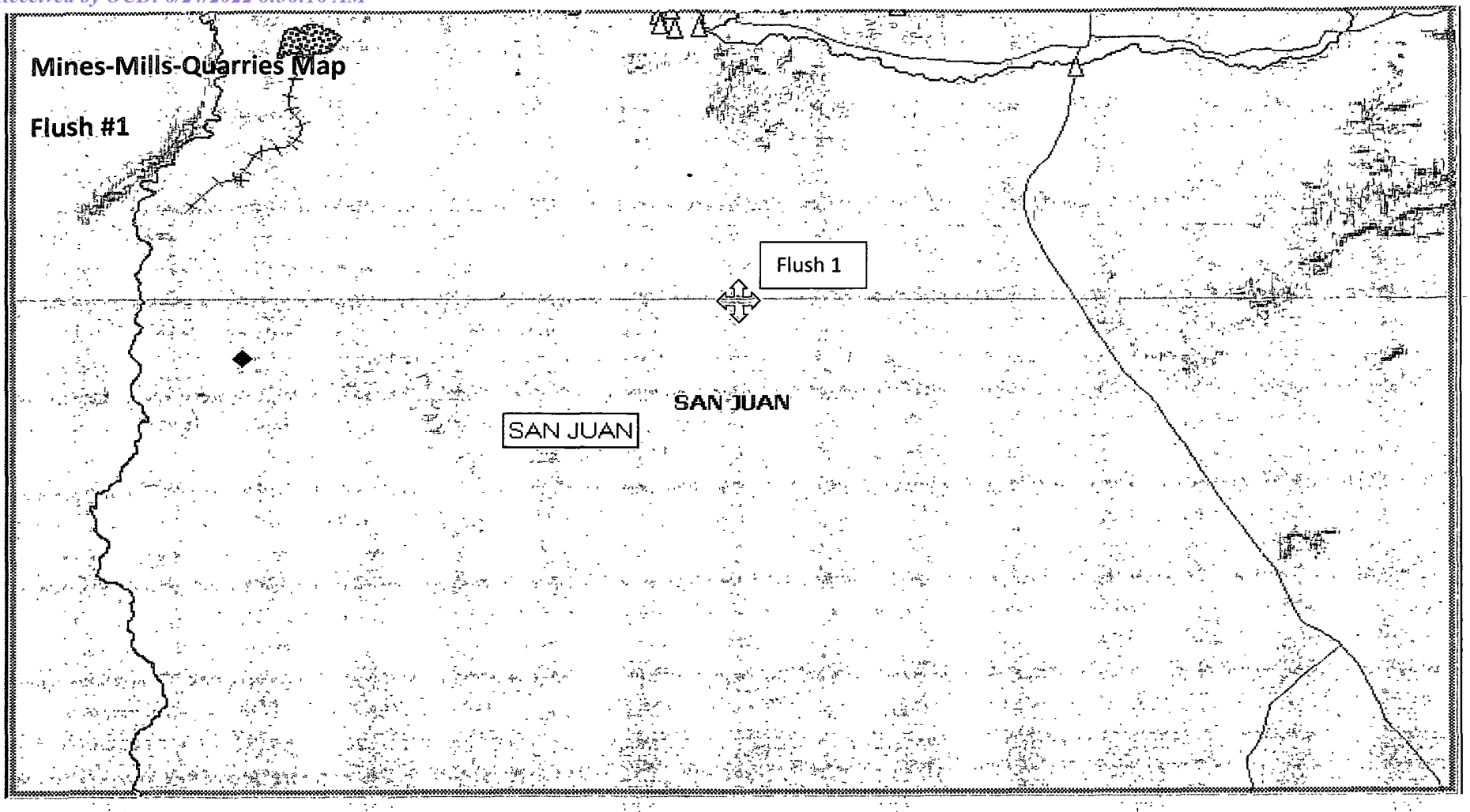
Wetland Information- Flush #1



Flush #1 API 30-045-30271

FEMA Flood Map- Flood Zone X

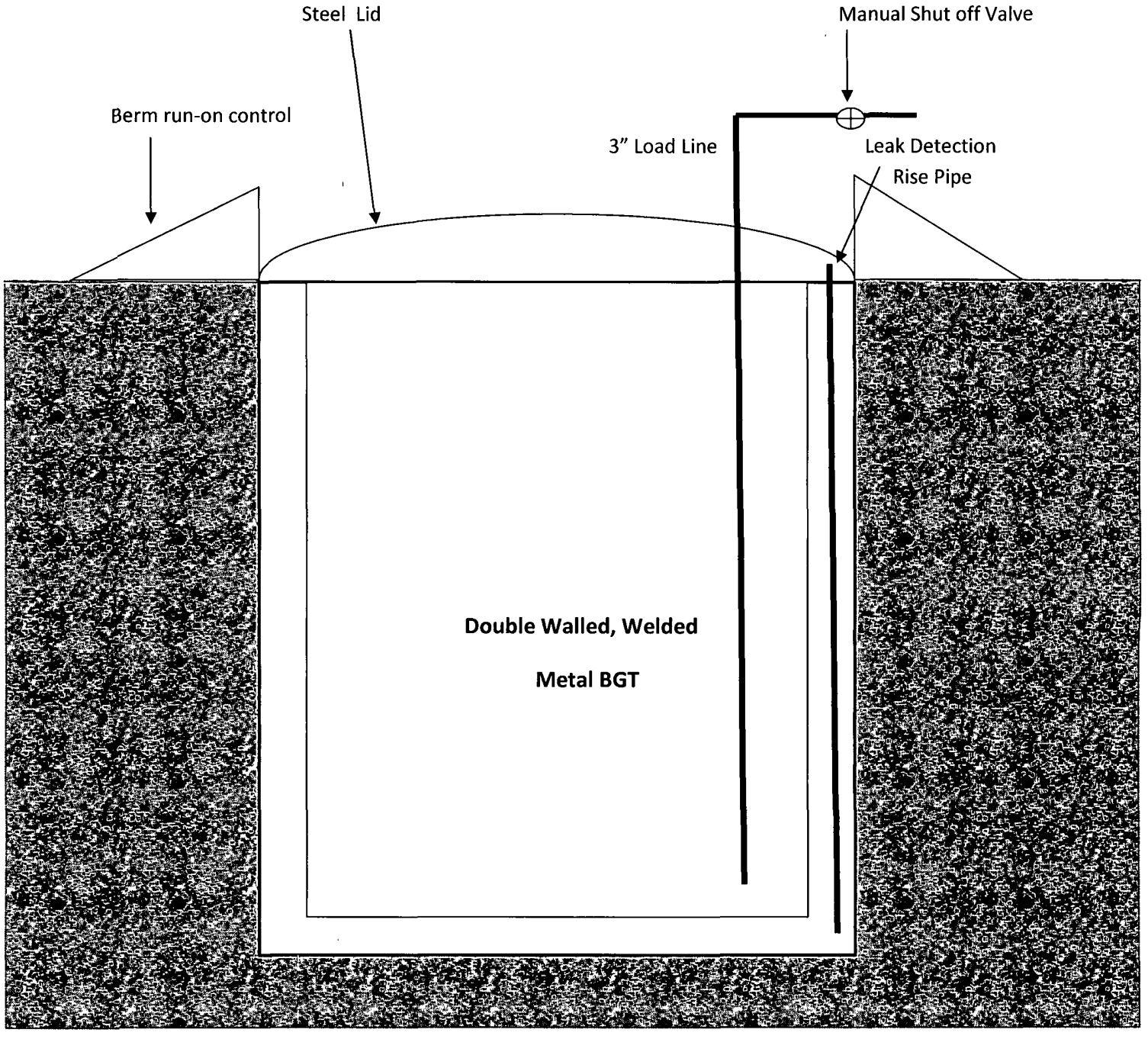




Mines, Mills & Quarries Commodity Groups

- Aggregate & Stone Mines
- Coal Mines
- Industrial Minerals Mines
- Industrial Minerals Mills
- Metal Mines and Mill Concentrate
- Potash Mines & Refineries
- Smelters & Refinery Ops.
- Uranium Mines
- Uranium Mills

http://www.emnrd.state.nm.us/MMD/MRRS/MinesMillsQuarriesWebMap.htm



Merrion Oil & Gas Standard Below Grade Tank design

Flush #1 Siting Criteria

1. Ground water is not less than 50 ft below the bottom of the BGT. Ground water is greater than 100 ft below the bottom of the BGT.

2. The BGT is not within 300 ft of a continuously flowing water course, or 200 ft of any other watercourse, lakebed, sinkhole, or playa lake (measured from ordinary high water mark). See attached topographic map.

3. The BGT is not within 300 ft from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. See the attached satellite image.

4. The BGT is not within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. See attached NM Office of the State Engineer iWaters database search.

5. The BGT is NOT within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended.

6. The BGT is not within 500 feet of a wetland. See attached satellite and wetland map.

7. The BGT is not within the area overlying a subsurface mine. See the attached Mine, Mills and Quarry map of New Mexico (New Mexico, EMND 2008) showing the location and area around the subject pit.

8. The BGT is not located within an unstable area. See the attached topographic map of the location and area around the subject BGT.

9. The BGT is not located within a 100-year floodplain area. See the attached FEMA map of the 100 year floodplain showing the location and area around the subject BGT.

Flush #1 S2, T26N, R13W Hydrogeologic Data

Flush #1 is located on State Lands in the San Juan structural basin in San Juan County, New Mexico. The region is a northwest-trending asymmetric structural depression. The basin merges gradually into adjacent depressions or uplifts. The structural boundaries principally consist of large, elongate domal uplifts; low marginal platforms; and abrupt monoclines.

A records search of the NM office of the State Engineer- iWaters database was conducted for the T27N-13W & T26N-13W, (iWaters report attached & also indicated on topo). The closest water wells are located in S33, T27N, R13W which is 2.05 miles from the current well location. The well was drilled to a depth of 366', the top of the water was reported at 310'. The water for this well is used for domestic purposes and no other information was available. iWaters has information regarding an Artesian source in S2, T26N- R13W. The depth of the well is 1774' with no water depth available.

GROUND WATER:

The **Menefee formation** is a source of water for domestic and livestock use in areas where water quality is suitable for these uses. Water wells generally are on or near the outcrop areas. The altitude of the potentiometric surface of water In the Menefee is at approximately 5,986' +. Water in the Menefee occurs under both water-table and artesian conditions. Water table conditions occur where sandstones crop out and artesian conditions occur in isolated channel sands enclosed in shale.

The **Cliff House** formation is a source of water for domestic and livestock use where water quality is suitable. The closest altitude of the potentiometric surface ground water to this location is 5821'. Water in the Cliff House formation occurs under both water-table and artesian conditions.

The ***Point Lookout*** formation is a source of water for domestic and livestock use where water quality is acceptable. The altitude of the potentiometric surface of water In the Point Lookout formation is at approximately 6,155' +. Water in the Pt Lookout formation occurs under both water-table and artesian conditions.

GEOLOGY

The ***Menefee*** formation crops out beyond the margins of the central basin. Erosion resistant sandstones in the Menefee commonly cap isolated buttes and hillocks. Topography formed on the Menefee is rolling to rough, broke and steep, and generally has badlands appearance. The upper part of the Menefee formation commonly fors steep slopes below mesas or buttes capped by erosion resistant Cliff House Sandstone. In general the Menefee Formation consists of interbedded and repetitive sequences of differing thicknesses of sandstone, siltstone, shale and claystone, carbonaceous shale, and coal beds of differing thickness. Typically the sandstones are lenticular light brown to gray thick to very thick bedded and fine to medium grained with clay matrix and various types of cement. The siltstones commonly are tabular gray and thin to thick bedded; shales and claystones typically are light brownish gray and thick to very thick bedded.

The ***Cliff House*** formation crops out around the margins of the central basin and typically caps mesas and forms erosion resistant dip slopes and hogbacks. The Cliff House Sandstones conformably overlain by and intertongues with the Lewis Shale, both of these units conformably and unconformably overlie the Menefee Formation with which they locally intertongue. In some areas where Cliff House tongues pinch out the Lewis Shale may directly overlie the Menefee Formation. In the western part of the basin near the confluence of Coyote Wash and the Chaco River the Cliff House merges with the Pictured Cliffs Sandstone wedging out the Lewis Shale. The Cliff House Sandstone strata consist of several thick sandstone tongues that represent marine shorezone deposits of an overall transgressing shallow sea. Molenaar noted that these sandstone bodies actually are off lap or regressive deposits formed during siltstands and minor regressions of the shore line.

The ***Point Lookout*** formation outcrops typically form cliffs, cap mesas and buttes, or form erosion resistant dip slopes and hogbacks. It conformably overlies the Manocs Shale throughout the basin; the contact is characterized by a distinct offshore marine transistion zone consisting of interbedded thin sandstones, siltstones, and shales. The Pt lookout sandstone generally consists of a sequence of light-gray, thick to very thick bedded, very fine to medium grained, locally crossbedded sandstone. Thin interbeds of dark marine shale also occur, especially in the lower part of the unit.

Reference:

HA-720E **Hydrogeology of the Cliff House Sandstone in the San Juan structural basin, New Mexico, Colorado, Arizona, and Utah**, Thorn, C. R.; Levings, G. W.; Craigg, S. D.; Dam, W. L.; Kernodle, J. M., 1990, USGS, atlas format. (*1,000,000 and 2,000,000 scale*)

HA-720F **Hydrogeology of the Menefee Formation, San Juan structural basin, New Mexico, Colorado, Arizona, and Utah**, Levings, G. W.; Craigg, S. D.; Dam, W. L.; Kernodle, J. M., 1990, USGS, atlas format. (*1,000,000 and 2,000,000 scale*)

HA-720G **Hydrogeology of the Point Lookout Sandstone in the San Juan Basin, Colorado, Arizona, and Utah**, Craigg, S. D.; Dam, W. L.; Kernodle, J. M.; Thorn, C. R.; Levings, G. W., 1990, USGS, atlas format. (*1,000,000 and 2,000,000 scale*)

Flush #1
BGT
Design & Construction Plan

1. Below Grade Tank was designed and constructed to contain liquids and solids and would prevent contamination of fresh water and protect the public health and environment. (see attached BGT design).

2. MOG posted a well sign on location that lists the following: the operator on record as the operator; the location of the well site by UL, S, T, R; and emergency telephone numbers. The location was signed in accordance with rule 19.15.3.103 Sign on wells.

3. MOG fenced the location with a four foot fence that has at least four strands of barbed wire evenly spaced in the interval between one foot and four feet above ground level.

4. The BGT was covered with a steel lid on top of the tank.

5. The BGT was constructed to ensure the confinement of liquids and prevent unauthorized releases.

6. The BGT was constructed of materials resistant to the tank's particular contents and resistant to damage from sunlight.

7. The BGT was constructed with a level base free of rocks, debris, sharp edges or irregularities to prevent puncture, cracks or indentations of the tank bottom.

8. The BGT was constructed to prevent overflow and the collection of surface water run on/ run off (see attached BGT design).

9. The BGT is constructed of double walled- double bottom, welded metal (see attached BGT design).

10. The BGT is equipped with a 3' load line with a manual shut off valve (see attached BGT design).

11. The BGT is equipped with a leak detection rise pipe (see attached BGT design).

12. The BGT has diversionary berms, ditches or sloping that prevents overflow and the collection of surface water entrapment (see attached BGT design).

Flush #1
BGT
Operation Requirements

1. The BGT will be maintained and operated to contain liquids and solids and maintain integrity of the tank so as to prevent contamination of fresh water and protect public health and environment.

2. All fluids will be recycled, reused, reclaimed or disposed of in a manner approved by division rules.

3. MOG will not discharge into or store any hazardous waste in the BGT.

4. If the BGT develops a leak, or if any penetration occurs below the liquid's surface, MOG shall remove all liquid above the damage or leak line within 48 hours and notify the NMOCD within 48 hours of discovery and repair the damage or replace the BGT.

5. MOG will not allow the BGT to overflow or allow surface water run-on to enter the BGT.

6. MOG shall remove any visible or measurable layer of oil from the fluid surface of the BGT.

7. MOG will inspect the BGT monthly and will maintain records of each inspection for 5 years.

8. MOG shall maintain adequate freeboard to prevent overtopping of the BGT.

Flush #1
BGT
Closure Requirements

1. The BGT of the Flush #1 meets the requirements of Paragraphs 1 through 4 of Subs. I of 19.15.17.11. In the event that the integrity fails on the following BGT, MOG will replace or repair to maintain compliance.

2. All fluids will be removed at the start of the BGT closure process from the BGT and disposed of in a division approved facility or recycle, reuse or reclaim the liquids in a manner that the appropriate division district office approves.

3. All solids or sludge from the BGT will be removed and transported to either Envirotech or IEI.

4. MOG will remove the BGT and dispose of it in a division approved facility or recycle, reuse or reclaim it in a manner that the appropriate district office approves.

5. Any on-site equipment that is associated with the following BGT will be removed, unless the equipment is required for some other purposes.

6. MOG will not allow the BGT to overflow or allow surface water run-on to enter the BGT.

7. MOG shall remove any visible or measurable layer of oil from the fluid surface of the BGT.

8. MOG will inspect the BGT monthly and will maintain records of each inspection for 5 years.

9. MOG shall maintain adequate freeboard to prevent overtopping of the BGT.

10. A five point composite sample will be taken from the soils beneath the BGT pursuant to 19.15.17.13 (E)(4) in order to assure there has not been any type of contamination.

Components	Test Method	Limit (mg/Kg)
Benzene	EPA SW-846 8021B or 8260B	0.2
BTEX	EPA SW-846 8021B or 8260B	50
TPH	EPA SW-846 418.1	100
GRO/DRO	EPA SW-846 8015M	500
Chlorides	EPA 300.1	250 or background

11. The NMOCD shall be notified of testing results on form C-141.

12. If it is determined that a release has occurred, rule 19.15.3.116 NMAC and 19.15.1.19 NMAC will be complied with as required.

13. If the BGT has met all closure requirements as outlined in paragraph 4 of subs. E of 19.15.17.13 NMAC, then MOG shall backfill the excavated site with compacted, non-waste containing, earthen material; construct a division-prescribed soil cover; re-contour and re-vegetate the site as required by Subs G, H and I of 19.15.17.13 NMAC, and per BLM Conditions of approval. MOG shall see the disturbed areas the first growing season after the MOG closes the BGT. Seeding will be accomplished via drilling on the contour whenever practical or by other division approved methods. BLM or Forest Service stipulated seed mixes will be used on federal lands. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintain that cover through two successive growing seasons. Repeat seeding or planting will be continued until successful vegetative growth occurs.

Type	Variety or Cultivator	PLS/A
Western Wheatgrass	Arriba	3.0
Indian Ricegrass	Paloma or rimrock	3.0
Slender Wheatgrass	San Luis	2.0
Crested Wheatgrass	Hy-crest	3.0
Bottlebrush Squirreltail	Unknown	2.0
Four-wing Saltbrus	Delar	.25

Species shall be planted in pounds of pure live seed per acre: Present Pure Live Seed (PLS)= Purity X Germination/100. Two lost of seed can be compared on the basis of PLS as follows:

Source No. One (poor quality)
Purity 50 percent
Germination 40 percent
Percent PLS 20 percent
5lb. bulk seed required to make
1lb. PLS

Source No. two (better quality)
Purity 80 percent
Germination 63 percent
Percent PLS 50 percent
2lb. bulk seed required to make
1lb. PLS

14. The NMOCD shall be notified within 60 days of closure of the BGT. The closure report will be filed on form C144 and will document all closure activities, sampling results, a plot plan, and details on backfilling and capping where applicable.

15. The NMOCD will be notified once successful re-vegetation has occurred.

APPENDIX C

SAMPLING PROTOCOL

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

Sampling Protocol

The soil samples were collected in laboratory supplied containers in accordance with this sampling protocol, immediately placed on ice and sent under standard chain-of-custody protocols to Envirotech Laboratory in Farmington, New Mexico for analysis. A total of fifteen (15) samples 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 or 8260B.

Sampling Analysis Field Quality Assurance Procedures

A unique sample numbering was used to identify each sample collected and designated for on-site and off-site laboratory analysis. The purpose of this numbering scheme was to provide a tracking system for the retrieval of analytical and field data on each sample. Sample identification numbers were recorded on sample labels or tags, field notes, chain-of-custody records (COC) and all other applicable documentation used during the project. Sample labels were affixed to all sample containers during sampling activities. Information was recorded on each sample container label at the time of sample collection. The information recorded on the labels were as follows: sample identification number; sample type (discrete or composite); site name and area/location number; analysis to be performed; type of chemical preservative present in container; date and time of sample collection; and sample collector's name and initials. All samples were packed in ice in an approved rigid body container, custody sealed signed and shipped to the appropriate laboratory via insured currier service.

COC procedures implemented for the project provided documentation of the handling of each sample from the time of collection until completion of laboratory analysis. A COC form serves as a legal record of possession of the sample. A sample is considered to be under custody if one or more of the following criteria are met: the sample is in the sampler's possession; the sample is in the sampler's view after being in possession; the sample was in the sampler's possession and then was placed into a locked area to prevent tampering; and/or the sample is in a designated secure area. Custody was documented throughout the project field sampling activities by a chain-of custody form initiated each day during which samples are collected. Container custody seals placed on either individual samples or on the rigid body container were used to ensure that no sample tampering occurs between the time the samples are placed into the containers and the time the containers are opened for analysis at the laboratory. Container custody seals were signed and dated by the individual responsible for completing the COC form contained within the container.

APPENDIX D

FIELD NOTES

&

PHOTO LOG

Field Screening Form

Location Name: Flush #1

Date: 4/7/2022

Location Name	Description	Depth (Feet BGS)	Time Collected	PID Reading (ppm)	Time Screened	PetroFLAG Reading	Time Screened
SW1	N	0-2	13:29	8.2	13:42		
SW2	E	0-2	13:28	8.8	13:42		
SW3	S	0-3	12:02	13.9	12:13		
SW4	W	0-3	11:42	17.3	11:58		
B1 Base	Base	2	13:59	2.8	14:19		
B2 Base	Base	2	14:01	2.2	14:19		
EG	west wal	0-3	11-12	39	11:23		
EG	west wall	0-3	4:31	6.2	11:42		
EG	East wall/Base	2	12 42	3.3	12.50		
B3 Base	Base	2	14:02	9.6	14:20		
B4 Base	Base	4	14:04	3:0	14:17		
B5 Base	Base	3	14:12	0.9	14:22		

Notes: 36.51925 Lelo -108.1915207 Excavation & sampling Onsite 9:20

*EG - Excavation Grab

SMA

Field Screening Form

Location Name: Flush #1

Date: 4/21/22

	Location Name	Description	Depth (Feet BGS)	Time Collected	PID Reading (ppm)	Time Screened	PetroFLAG Reading	Time Screened
	RSW3	SW3	0-4	9:23			274	
	RB4	B4	4.5	9:24			1500	
*	RB5	B5	4.5	9:26			40	
	RSW1	SW1	0-2	9:28			181	
*	RB4	B4	4.5	10:18			247	
243 ppm Lab *	RSW3	SW3	4.5	10:23			0	
*	RSW1	SW1	4.5	10:21			42	
		5/5/22		closure	sampling			
	RSW3(1)	SW3	0-4.5	9:00	0	[redacted]		

Notes: Onsite 8:05 4/21/2022

onsite 8:50 5/5/2022 offsite 9:12

SMA

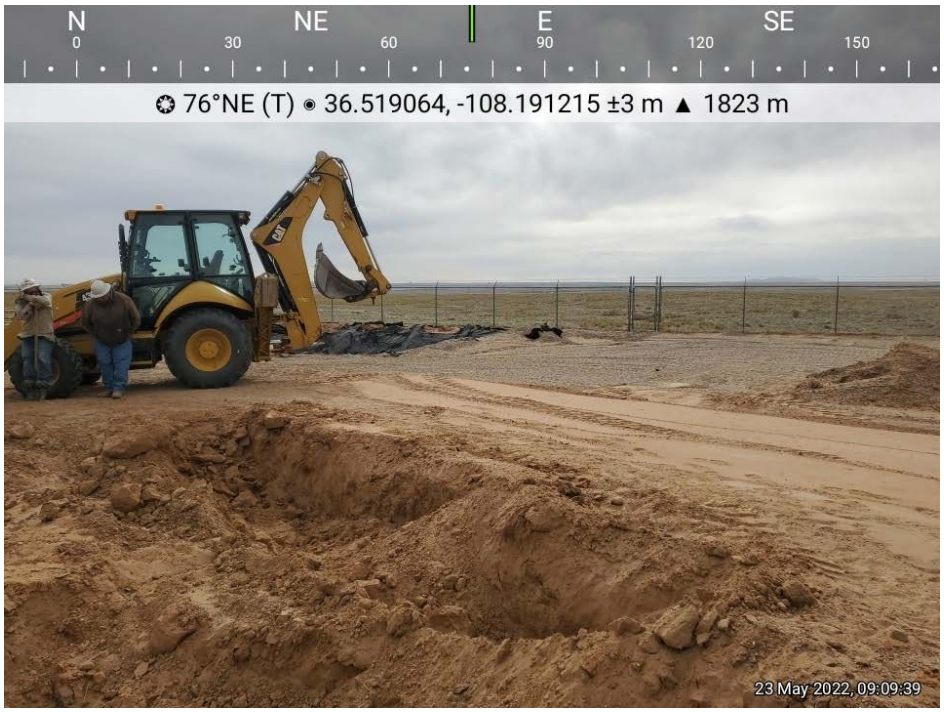

NW
N
300
330
0
30
336°NW (T) 36.519063, -108.191151 ±3 m ▲ 1810 m
07 Apr 2022, 14:25:50


E
SE
60
90
120
150
111°E (T) 36.519176, -108.191315 ±3 m ▲ 1816 m
07 Apr 2022, 14:24:56


NE
E
SE
60
90
120
150
104°E (T) 36.519115, -108.191263 ±3 m 1824 m
07 Apr 2022, 09:33:46


N
NE
330
0
30
60
18°N (T) 36.519068, -108.191254 ±3 m 1823 m
21 Apr 2022, 08:57:42


N
NE
E
SE
0
30
60
90
120
150
87°E (T) • 36.519072, -108.191236 ±3 m ▲ 1823 m
05 May 2022, 09:13:19

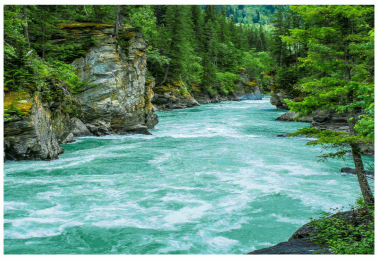

N
NE
E
SE
0
30
60
90
120
150
76°NE (T) • 36.519064, -108.191215 ±3 m ▲ 1823 m
23 May 2022, 09:09:39

APPENDIX E

LABORATORY ANALYTICAL REPORTS

Report to:

Ashley Maxwell



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller & Associates

Project Name:	Flush #1
Work Order:	E204041
Job Number:	03117-0014
Received:	4/7/2022

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/21/22

Date Reported: 4/21/22

Ashley Maxwell
401 W. Broadway
Farmington, NM 87401

Project Name: Flush #1
Workorder: E204041
Date Received: 4/7/2022 3:18:00PM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/7/2022 3:18:00PM, under the Project Name: Flush #1.

The analytical test results summarized in this report with the Project Name: Flush #1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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Table of Contents

Sample Summary

Souder Miller & Associates	Project Name:	Flush #1	**Reported:**
401 W. Broadway	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Ashley Maxwell	04/21/22 16:52

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW1	E204041-01A	Soil	04/07/22	04/07/22	Glass Jar, 4 oz.
SW2	E204041-02A	Soil	04/07/22	04/07/22	Glass Jar, 4 oz.
SW3	E204041-03A	Soil	04/07/22	04/07/22	Glass Jar, 4 oz.
SW4	E204041-04A	Soil	04/07/22	04/07/22	Glass Jar, 4 oz.
B1	E204041-05A	Soil	04/07/22	04/07/22	Glass Jar, 4 oz.
B2	E204041-06A	Soil	04/07/22	04/07/22	Glass Jar, 4 oz.
B3	E204041-07A	Soil	04/07/22	04/07/22	Glass Jar, 4 oz.
B4	E204041-08A	Soil	04/07/22	04/07/22	Glass Jar, 4 oz.
B5	E204041-09A	Soil	04/07/22	04/07/22	Glass Jar, 4 oz.

Sample Data

Souder Miller & Associates	Project Name:	Flush #1	
401 W. Broadway	Project Number:	03117-0014	**Reported:**
Farmington NM, 87401	Project Manager:	Ashley Maxwell	4/21/2022 4:52:35PM

SW1

E204041-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2216008
Benzene	ND	0.0250	1	04/11/22	04/11/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/11/22	
Toluene	ND	0.0250	1	04/11/22	04/11/22	
o-Xylene	ND	0.0250	1	04/11/22	04/11/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/11/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/11/22	
Surrogate: Bromofluorobenzene		*88.7 %*	*70-130*	*04/11/22*	*04/11/22*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*04/11/22*	*04/11/22*	
Surrogate: Toluene-d8		*97.3 %*	*70-130*	*04/11/22*	*04/11/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2216008
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/11/22	
Surrogate: Bromofluorobenzene		*88.7 %*	*70-130*	*04/11/22*	*04/11/22*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*04/11/22*	*04/11/22*	
Surrogate: Toluene-d8		*97.3 %*	*70-130*	*04/11/22*	*04/11/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2216036
Diesel Range Organics (C10-C28)	**3200**	50.0	2	04/12/22	04/13/22	
Oil Range Organics (C28-C36)	**1790**	100	2	04/12/22	04/13/22	
Surrogate: n-Nonane		*103 %*	*50-200*	*04/12/22*	*04/13/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2216016
Chloride	**63.9**	20.0	1	04/11/22	04/11/22	

Sample Data

Souder Miller & Associates	Project Name:	Flush #1	
401 W. Broadway	Project Number:	03117-0014	**Reported:**
Farmington NM, 87401	Project Manager:	Ashley Maxwell	4/21/2022 4:52:35PM

SW2

E204041-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2216008
Benzene	ND	0.0250	1	04/11/22	04/11/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/11/22	
Toluene	ND	0.0250	1	04/11/22	04/11/22	
o-Xylene	ND	0.0250	1	04/11/22	04/11/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/11/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/11/22	
Surrogate: Bromofluorobenzene		*89.9 %*	*70-130*	*04/11/22*	*04/11/22*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*04/11/22*	*04/11/22*	
Surrogate: Toluene-d8		*96.9 %*	*70-130*	*04/11/22*	*04/11/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2216008
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/11/22	
Surrogate: Bromofluorobenzene		*89.9 %*	*70-130*	*04/11/22*	*04/11/22*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*04/11/22*	*04/11/22*	
Surrogate: Toluene-d8		*96.9 %*	*70-130*	*04/11/22*	*04/11/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2216036
Diesel Range Organics (C10-C28)	**42.7**	25.0	1	04/12/22	04/13/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/12/22	04/13/22	
Surrogate: n-Nonane		*103 %*	*50-200*	*04/12/22*	*04/13/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2216016
Chloride	**69.6**	20.0	1	04/11/22	04/11/22	

Sample Data

Souder Miller & Associates	Project Name:	Flush #1	
401 W. Broadway	Project Number:	03117-0014	**Reported:**
Farmington NM, 87401	Project Manager:	Ashley Maxwell	4/21/2022 4:52:35PM

SW3

E204041-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2216008
Benzene	ND	0.0250	1	04/11/22	04/11/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/11/22	
Toluene	ND	0.0250	1	04/11/22	04/11/22	
o-Xylene	ND	0.0250	1	04/11/22	04/11/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/11/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/11/22	
Surrogate: Bromofluorobenzene		*88.8 %*	*70-130*	*04/11/22*	*04/11/22*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*04/11/22*	*04/11/22*	
Surrogate: Toluene-d8		*96.8 %*	*70-130*	*04/11/22*	*04/11/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2216008
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/11/22	
Surrogate: Bromofluorobenzene		*88.8 %*	*70-130*	*04/11/22*	*04/11/22*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*04/11/22*	*04/11/22*	
Surrogate: Toluene-d8		*96.8 %*	*70-130*	*04/11/22*	*04/11/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2216036
Diesel Range Organics (C10-C28)	**152**	25.0	1	04/12/22	04/12/22	
Oil Range Organics (C28-C36)	**226**	50.0	1	04/12/22	04/12/22	
Surrogate: n-Nonane		*106 %*	*50-200*	*04/12/22*	*04/12/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2216016
Chloride	**70.8**	20.0	1	04/11/22	04/11/22	

Sample Data

Souder Miller & Associates	Project Name:	Flush #1	
401 W. Broadway	Project Number:	03117-0014	**Reported:**
Farmington NM, 87401	Project Manager:	Ashley Maxwell	4/21/2022 4:52:35PM

SW4

E204041-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2216008
Benzene	ND	0.0250	1	04/11/22	04/11/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/11/22	
Toluene	ND	0.0250	1	04/11/22	04/11/22	
o-Xylene	ND	0.0250	1	04/11/22	04/11/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/11/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/11/22	
Surrogate: Bromofluorobenzene		*89.4 %*	*70-130*	*04/11/22*	*04/11/22*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*04/11/22*	*04/11/22*	
Surrogate: Toluene-d8		*96.7 %*	*70-130*	*04/11/22*	*04/11/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2216008
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/11/22	
Surrogate: Bromofluorobenzene		*89.4 %*	*70-130*	*04/11/22*	*04/11/22*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*04/11/22*	*04/11/22*	
Surrogate: Toluene-d8		*96.7 %*	*70-130*	*04/11/22*	*04/11/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2216036
Diesel Range Organics (C10-C28)	**25.0**	25.0	1	04/12/22	04/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/12/22	04/12/22	
Surrogate: n-Nonane		*98.7 %*	*50-200*	*04/12/22*	*04/12/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2216016
Chloride	ND	20.0	1	04/11/22	04/11/22	

Sample Data

Souder Miller & Associates	Project Name:	Flush #1	
401 W. Broadway	Project Number:	03117-0014	**Reported:**
Farmington NM, 87401	Project Manager:	Ashley Maxwell	4/21/2022 4:52:35PM

B1

E204041-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2216008
Benzene	ND	0.0250	1	04/11/22	04/20/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/20/22	
Toluene	ND	0.0250	1	04/11/22	04/20/22	
o-Xylene	ND	0.0250	1	04/11/22	04/20/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/20/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/20/22	
Surrogate: Bromofluorobenzene		*88.9 %*	*70-130*	*04/11/22*	*04/20/22*	
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*70-130*	*04/11/22*	*04/20/22*	
Surrogate: Toluene-d8		*96.5 %*	*70-130*	*04/11/22*	*04/20/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2216008
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/12/22	
Surrogate: Bromofluorobenzene		*92.1 %*	*70-130*	*04/11/22*	*04/12/22*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*04/11/22*	*04/12/22*	
Surrogate: Toluene-d8		*97.5 %*	*70-130*	*04/11/22*	*04/12/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2216036
Diesel Range Organics (C10-C28)	**35.9**	25.0	1	04/12/22	04/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/12/22	04/12/22	
Surrogate: n-Nonane		*102 %*	*50-200*	*04/12/22*	*04/12/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2216016
Chloride	**102**	20.0	1	04/11/22	04/11/22	

Sample Data

Souder Miller & Associates	Project Name:	Flush #1	
401 W. Broadway	Project Number:	03117-0014	**Reported:**
Farmington NM, 87401	Project Manager:	Ashley Maxwell	4/21/2022 4:52:35PM

B2

E204041-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2216008
Benzene	ND	0.0250	1	04/11/22	04/12/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/12/22	
Toluene	**0.0370**	0.0250	1	04/11/22	04/12/22	
o-Xylene	ND	0.0250	1	04/11/22	04/12/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/12/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/12/22	
Surrogate: Bromofluorobenzene		*90.4 %*	*70-130*	*04/11/22*	*04/12/22*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*04/11/22*	*04/12/22*	
Surrogate: Toluene-d8		*97.7 %*	*70-130*	*04/11/22*	*04/12/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2216008
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/12/22	
Surrogate: Bromofluorobenzene		*90.4 %*	*70-130*	*04/11/22*	*04/12/22*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*04/11/22*	*04/12/22*	
Surrogate: Toluene-d8		*97.7 %*	*70-130*	*04/11/22*	*04/12/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2216036
Diesel Range Organics (C10-C28)	**68.9**	25.0	1	04/12/22	04/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/12/22	04/12/22	
Surrogate: n-Nonane		*103 %*	*50-200*	*04/12/22*	*04/12/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2216016
Chloride	**150**	20.0	1	04/11/22	04/12/22	

Sample Data

Souder Miller & Associates	Project Name:	Flush #1	
401 W. Broadway	Project Number:	03117-0014	**Reported:**
Farmington NM, 87401	Project Manager:	Ashley Maxwell	4/21/2022 4:52:35PM

B3

E204041-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2216008
Benzene	ND	0.0250	1	04/11/22	04/12/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/12/22	
Toluene	**0.0250**	0.0250	1	04/11/22	04/12/22	
o-Xylene	ND	0.0250	1	04/11/22	04/12/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/12/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/12/22	
Surrogate: Bromofluorobenzene		*91.1 %*	*70-130*	*04/11/22*	*04/12/22*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*04/11/22*	*04/12/22*	
Surrogate: Toluene-d8		*96.6 %*	*70-130*	*04/11/22*	*04/12/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2216008
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/12/22	
Surrogate: Bromofluorobenzene		*91.1 %*	*70-130*	*04/11/22*	*04/12/22*	
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*70-130*	*04/11/22*	*04/12/22*	
Surrogate: Toluene-d8		*96.6 %*	*70-130*	*04/11/22*	*04/12/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2216036
Diesel Range Organics (C10-C28)	ND	25.0	1	04/12/22	04/12/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/12/22	04/12/22	
Surrogate: n-Nonane		*104 %*	*50-200*	*04/12/22*	*04/12/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2216016
Chloride	**101**	20.0	1	04/11/22	04/12/22	

Sample Data

Souder Miller & Associates	Project Name:	Flush #1	
401 W. Broadway	Project Number:	03117-0014	**Reported:**
Farmington NM, 87401	Project Manager:	Ashley Maxwell	4/21/2022 4:52:35PM

B4

E204041-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2216008
Benzene	ND	0.0250	1	04/11/22	04/12/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/12/22	
Toluene	ND	0.0250	1	04/11/22	04/12/22	
o-Xylene	ND	0.0250	1	04/11/22	04/12/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/12/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/12/22	
Surrogate: Bromofluorobenzene		*89.8 %*	*70-130*	*04/11/22*	*04/12/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.6 %*	*70-130*	*04/11/22*	*04/12/22*	
Surrogate: Toluene-d8		*96.6 %*	*70-130*	*04/11/22*	*04/12/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2216008
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/12/22	
Surrogate: Bromofluorobenzene		*89.8 %*	*70-130*	*04/11/22*	*04/12/22*	
Surrogate: 1,2-Dichloroethane-d4		*99.6 %*	*70-130*	*04/11/22*	*04/12/22*	
Surrogate: Toluene-d8		*96.6 %*	*70-130*	*04/11/22*	*04/12/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2216036
Diesel Range Organics (C10-C28)	**250**	25.0	1	04/12/22	04/12/22	
Oil Range Organics (C28-C36)	**210**	50.0	1	04/12/22	04/12/22	
Surrogate: n-Nonane		*106 %*	*50-200*	*04/12/22*	*04/12/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2216016
Chloride	**20.5**	20.0	1	04/11/22	04/12/22	

Sample Data

Souder Miller & Associates	Project Name:	Flush #1	
401 W. Broadway	Project Number:	03117-0014	**Reported:**
Farmington NM, 87401	Project Manager:	Ashley Maxwell	4/21/2022 4:52:35PM

B5

E204041-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY			Batch: 2216008
Benzene	ND	0.0250	1	04/11/22	04/12/22	
Ethylbenzene	ND	0.0250	1	04/11/22	04/12/22	
Toluene	ND	0.0250	1	04/11/22	04/12/22	
o-Xylene	ND	0.0250	1	04/11/22	04/12/22	
p,m-Xylene	ND	0.0500	1	04/11/22	04/12/22	
Total Xylenes	ND	0.0250	1	04/11/22	04/12/22	
Surrogate: Bromofluorobenzene		*90.0 %*	*70-130*	*04/11/22*	*04/12/22*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*04/11/22*	*04/12/22*	
Surrogate: Toluene-d8		*96.3 %*	*70-130*	*04/11/22*	*04/12/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2216008
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/22	04/12/22	
Surrogate: Bromofluorobenzene		*90.0 %*	*70-130*	*04/11/22*	*04/12/22*	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*70-130*	*04/11/22*	*04/12/22*	
Surrogate: Toluene-d8		*96.3 %*	*70-130*	*04/11/22*	*04/12/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2216036
Diesel Range Organics (C10-C28)	**269**	25.0	1	04/12/22	04/12/22	
Oil Range Organics (C28-C36)	**244**	50.0	1	04/12/22	04/12/22	
Surrogate: n-Nonane		*104 %*	*50-200*	*04/12/22*	*04/12/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2216016
Chloride	ND	20.0	1	04/11/22	04/12/22	

QC Summary Data

Souder Miller & Associates	Project Name:	Flush #1	**Reported:**
401 W. Broadway	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Ashley Maxwell	4/21/2022 4:52:35PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2216008-BLK1)									Prepared: 04/11/22 Analyzed: 04/12/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.436*		*0.500*		*87.1*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.522*		*0.500*		*104*	*70-130*			
Surrogate: Toluene-d8	*0.485*		*0.500*		*96.9*	*70-130*			
LCS (2216008-BS1)									Prepared: 04/11/22 Analyzed: 04/12/22
Benzene	2.48	0.0250	2.50		99.3	70-130			
Ethylbenzene	2.56	0.0250	2.50		102	70-130			
Toluene	2.54	0.0250	2.50		101	70-130			
o-Xylene	2.48	0.0250	2.50		99.1	70-130			
p,m-Xylene	4.97	0.0500	5.00		99.4	70-130			
Total Xylenes	7.45	0.0250	7.50		99.3	70-130			
Surrogate: Bromofluorobenzene	*0.485*		*0.500*		*96.9*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.503*		*0.500*		*101*	*70-130*			
Surrogate: Toluene-d8	*0.517*		*0.500*		*103*	*70-130*			
LCS Dup (2216008-BSD1)									Prepared: 04/11/22 Analyzed: 04/12/22
Benzene	2.44	0.0250	2.50		97.7	70-130	1.64	23	
Ethylbenzene	2.51	0.0250	2.50		100	70-130	1.85	27	
Toluene	2.51	0.0250	2.50		100	70-130	1.05	24	
o-Xylene	2.43	0.0250	2.50		97.2	70-130	1.89	27	
p,m-Xylene	4.89	0.0500	5.00		97.8	70-130	1.59	27	
Total Xylenes	7.32	0.0250	7.50		97.6	70-130	1.69	27	
Surrogate: Bromofluorobenzene	*0.476*		*0.500*		*95.2*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.523*		*0.500*		*105*	*70-130*			
Surrogate: Toluene-d8	*0.514*		*0.500*		*103*	*70-130*			

QC Summary Data

Souder Miller & Associates	Project Name:	Flush #1	**Reported:**
401 W. Broadway	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Ashley Maxwell	4/21/2022 4:52:35PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2216008-BLK1)									Prepared: 04/11/22 Analyzed: 04/12/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.436*		*0.500*		*87.1*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.522*		*0.500*		*104*	*70-130*			
Surrogate: Toluene-d8	*0.485*		*0.500*		*96.9*	*70-130*			
LCS (2216008-BS2)									Prepared: 04/11/22 Analyzed: 04/12/22
Gasoline Range Organics (C6-C10)	51.7	20.0	50.0		103	70-130			
Surrogate: Bromofluorobenzene	*0.454*		*0.500*		*90.8*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.497*		*0.500*		*99.4*	*70-130*			
Surrogate: Toluene-d8	*0.507*		*0.500*		*101*	*70-130*			
LCS Dup (2216008-BSD2)									Prepared: 04/11/22 Analyzed: 04/12/22
Gasoline Range Organics (C6-C10)	55.3	20.0	50.0		111	70-130	6.63	20	
Surrogate: Bromofluorobenzene	*0.462*		*0.500*		*92.4*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.484*		*0.500*		*96.8*	*70-130*			
Surrogate: Toluene-d8	*0.514*		*0.500*		*103*	*70-130*			

QC Summary Data

Souder Miller & Associates	Project Name:	Flush #1	**Reported:**
401 W. Broadway	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Ashley Maxwell	4/21/2022 4:52:35PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2216036-BLK1)									Prepared: 04/12/22 Analyzed: 04/12/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*50.7*		*50.0*		*101*	*50-200*			
LCS (2216036-BS1)									Prepared: 04/12/22 Analyzed: 04/12/22
Diesel Range Organics (C10-C28)	490	25.0	500		97.9	38-132			
Surrogate: n-Nonane	*52.3*		*50.0*		*105*	*50-200*			
LCS Dup (2216036-BSD1)									Prepared: 04/12/22 Analyzed: 04/12/22
Diesel Range Organics (C10-C28)	481	25.0	500		96.1	38-132	1.84	20	
Surrogate: n-Nonane	*51.4*		*50.0*		*103*	*50-200*			

QC Summary Data

Souder Miller & Associates	Project Name:	Flush #1	**Reported:**
401 W. Broadway	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Ashley Maxwell	4/21/2022 4:52:35PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2216016-BLK1)									Prepared: 04/11/22 Analyzed: 04/11/22
Chloride	ND	20.0							
LCS (2216016-BS1)									Prepared: 04/11/22 Analyzed: 04/11/22
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2216016-MS1)				**Source: E204059-01**					Prepared: 04/11/22 Analyzed: 04/11/22
Chloride	577	400	250	ND	231	80-120			M2, M6
Matrix Spike Dup (2216016-MSD1)				**Source: E204059-01**					Prepared: 04/11/22 Analyzed: 04/11/22
Chloride	587	400	250	ND	235	80-120	1.86	20	M2, M6

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Souder Miller & Associates	Project Name:	Flush #1	
401 W. Broadway	Project Number:	03117-0014	**Reported:**
Farmington NM, 87401	Project Manager:	Ashley Maxwell	04/21/22 16:52

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
M6	Matrix spike recovery has a high bias. The native sample results were below the RL, but appears to have contributed to high MS recoveries.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information

Chain of Custody

Page 1 of 1

204041 3/8/22 cc

Client:	Souder Miller
Project:	Flush #1
Project Manager:	Ashley Maxwell
Address:	401 W Broadway
City, State, Zip	Farmington NM 87401
Phone:	505 320 8975
Email:	ashley.maxwell@soudermiller.com
Report due by:	

Bill To

Attention:	SMA
Address:	
City, State, Zip	
Phone:	
Email:	

Lab Use Only

Lab WO#	Job Number
E ~~20204~~1	03117-0014

TAT

1D	2D	3D	Standard
			X

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
X					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	Remarks
13:29	4/7/22	Soil	1	SW1	1	X	X				X	
13:28			1	SW2	2							
12:02			1	SW3	3							
11:42			1	SW4	4							
13:59			1	B1	5							
14:01			1	B2	6							
14:02			1	B3	7							
14:04			1	B4	8							
14:12			1	B5	9							

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Ashley Maxwell

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4/7/22	15:17	Caitlin Christian	4/7/22	15:18
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only

Received on ice: (Y) N

T1 T2 T3

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 4/8/2022 8:24:43AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Souder Miller & Associates	Date Received:	04/07/22 15:18	Work Order ID:	E204041
Phone:	(505) 325-7535	Date Logged In:	04/08/22 08:18	Logged In By:	Caitlin Christian
Email:	ashley.maxwelll@soudermiller.com	Due Date:	04/14/22 17:00 (5 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Ashley Maxwell
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Project Information

Chain of Custody

Page 1 of 1

204041 3/8/22 CC

Client:	Souder Miller
Project:	Rush #1
Project Manager:	Ashley Maxwell
Address:	401 W Broadway
City, State, Zip	Farmington NM 87401
Phone:	505 320 8975
Email:	ashley.maxwell@soudermiller.com
Report due by:	

Bill To

Attention:	SMA
Address:	
City, State, Zip	
Phone:	
Email:	

Lab Use Only

Lab WO#	Job Number
E ~~202041~~	03117-0014

TAT

1D	2D	3D	Standard
			X

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
X					

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	Remarks
13:29	4/7/22	Soil	1	SW1	1	X	X	X			X	Added BTEX per Ashley. 4/20/22 CC
13:28			1	SW2	2			X				
12:02			1	SW3	3			X				
11:42			1	SW4	4			X				
13:59			1	B1	5			X				
14:01			1	B2	6			X				
14:02			1	B3	7			X				
14:04			1	B4	8			X				
14:12			1	B5	9			X				

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Ashley Maxwell

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4/7/22	15:17	Cartha Clinton	4/7/22	15:18
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only

Received on ice: (Y) N

T1 T2 T3

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

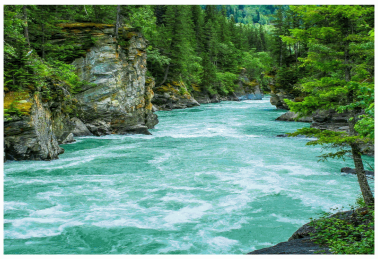
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Report to:

Ashley Maxwell



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller & Associates

Project Name:	Flush #1
Work Order:	E204114
Job Number:	03117-0014
Received:	4/21/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/28/22

Date Reported: 4/28/22

Ashley Maxwell
401 W. Broadway
Farmington, NM 87401

Project Name: Flush #1
Workorder: E204114
Date Received: 4/21/2022 12:19:00PM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/21/2022 12:19:00PM, under the Project Name: Flush #1.

The analytical test results summarized in this report with the Project Name: Flush #1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Souder Miller & Associates	Project Name:	Flush #1	**Reported:**
401 W. Broadway	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Ashley Maxwell	04/28/22 10:04

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
RB5	E204114-01A	Soil	04/21/22	04/21/22	Glass Jar, 4 oz.
RB4	E204114-02A	Soil	04/21/22	04/21/22	Glass Jar, 4 oz.
RSW1	E204114-03A	Soil	04/21/22	04/21/22	Glass Jar, 4 oz.
RSW3	E204114-04A	Soil	04/21/22	04/21/22	Glass Jar, 4 oz.

Sample Data

Souder Miller & Associates	Project Name:	Flush #1	
401 W. Broadway	Project Number:	03117-0014	**Reported:**
Farmington NM, 87401	Project Manager:	Ashley Maxwell	4/28/2022 10:04:06AM

RB5

E204114-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2218008
Benzene	ND	0.0250	1	04/25/22	04/26/22	
Ethylbenzene	ND	0.0250	1	04/25/22	04/26/22	
Toluene	ND	0.0250	1	04/25/22	04/26/22	
o-Xylene	ND	0.0250	1	04/25/22	04/26/22	
p,m-Xylene	ND	0.0500	1	04/25/22	04/26/22	
Total Xylenes	ND	0.0250	1	04/25/22	04/26/22	
Surrogate: 4-Bromochlorobenzene-PID		*96.5 %*	*70-130*	*04/25/22*	*04/26/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2218008
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/25/22	04/26/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.5 %*	*70-130*	*04/25/22*	*04/26/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AK			Batch: 2218027
Diesel Range Organics (C10-C28)	ND	25.0	1	04/26/22	04/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/26/22	04/26/22	
Surrogate: n-Nonane		*109 %*	*50-200*	*04/26/22*	*04/26/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2218011
Chloride	**20.7**	20.0	1	04/25/22	04/26/22	

Sample Data

Souder Miller & Associates	Project Name:	Flush #1	
401 W. Broadway	Project Number:	03117-0014	**Reported:**
Farmington NM, 87401	Project Manager:	Ashley Maxwell	4/28/2022 10:04:06AM

RB4

E204114-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2218008
Benzene	ND	0.0250	1	04/25/22	04/26/22	
Ethylbenzene	ND	0.0250	1	04/25/22	04/26/22	
Toluene	ND	0.0250	1	04/25/22	04/26/22	
o-Xylene	ND	0.0250	1	04/25/22	04/26/22	
p,m-Xylene	ND	0.0500	1	04/25/22	04/26/22	
Total Xylenes	ND	0.0250	1	04/25/22	04/26/22	
Surrogate: 4-Bromochlorobenzene-PID		*95.6 %*	*70-130*	*04/25/22*	*04/26/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2218008
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/25/22	04/26/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.8 %*	*70-130*	*04/25/22*	*04/26/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AK			Batch: 2218027
Diesel Range Organics (C10-C28)	ND	25.0	1	04/26/22	04/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/26/22	04/26/22	
Surrogate: n-Nonane		*98.0 %*	*50-200*	*04/26/22*	*04/26/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2218011
Chloride	**35.2**	20.0	1	04/25/22	04/26/22	

Sample Data

Souder Miller & Associates	Project Name:	Flush #1	
401 W. Broadway	Project Number:	03117-0014	**Reported:**
Farmington NM, 87401	Project Manager:	Ashley Maxwell	4/28/2022 10:04:06AM

RSW1

E204114-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2218008
Benzene	ND	0.0250	1	04/25/22	04/26/22	
Ethylbenzene	ND	0.0250	1	04/25/22	04/26/22	
Toluene	ND	0.0250	1	04/25/22	04/26/22	
o-Xylene	ND	0.0250	1	04/25/22	04/26/22	
p,m-Xylene	ND	0.0500	1	04/25/22	04/26/22	
Total Xylenes	ND	0.0250	1	04/25/22	04/26/22	
Surrogate: 4-Bromochlorobenzene-PID		*94.7 %*	*70-130*	*04/25/22*	*04/26/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2218008
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/25/22	04/26/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.0 %*	*70-130*	*04/25/22*	*04/26/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AK			Batch: 2218027
Diesel Range Organics (C10-C28)	ND	25.0	1	04/26/22	04/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/26/22	04/26/22	
Surrogate: n-Nonane		*103 %*	*50-200*	*04/26/22*	*04/26/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2218011
Chloride	ND	20.0	1	04/25/22	04/26/22	

Sample Data

Souder Miller & Associates	Project Name:	Flush #1	
401 W. Broadway	Project Number:	03117-0014	**Reported:**
Farmington NM, 87401	Project Manager:	Ashley Maxwell	4/28/2022 10:04:06AM

RSW3

E204114-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2218008
Benzene	ND	0.0250	1	04/25/22	04/26/22	
Ethylbenzene	ND	0.0250	1	04/25/22	04/26/22	
Toluene	ND	0.0250	1	04/25/22	04/26/22	
o-Xylene	ND	0.0250	1	04/25/22	04/26/22	
p,m-Xylene	ND	0.0500	1	04/25/22	04/26/22	
Total Xylenes	ND	0.0250	1	04/25/22	04/26/22	
Surrogate: 4-Bromochlorobenzene-PID		*95.3 %*	*70-130*	*04/25/22*	*04/26/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2218008
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/25/22	04/26/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.3 %*	*70-130*	*04/25/22*	*04/26/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AK			Batch: 2218027
Diesel Range Organics (C10-C28)	**122**	25.0	1	04/26/22	04/26/22	
Oil Range Organics (C28-C36)	**121**	50.0	1	04/26/22	04/26/22	
Surrogate: n-Nonane		*103 %*	*50-200*	*04/26/22*	*04/26/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2218011
Chloride	**29.1**	20.0	1	04/25/22	04/26/22	

QC Summary Data

Souder Miller & Associates	Project Name:	Flush #1	**Reported:**
401 W. Broadway	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Ashley Maxwell	4/28/2022 10:04:06AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2218008-BLK1)									Prepared: 04/25/22 Analyzed: 04/26/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.79*		*8.00*		*97.4*	*70-130*			
LCS (2218008-BS1)									Prepared: 04/25/22 Analyzed: 04/26/22
Benzene	5.48	0.0250	5.00		110	70-130			
Ethylbenzene	5.48	0.0250	5.00		110	70-130			
Toluene	5.78	0.0250	5.00		116	70-130			
o-Xylene	5.40	0.0250	5.00		108	70-130			
p,m-Xylene	11.1	0.0500	10.0		111	70-130			
Total Xylenes	16.5	0.0250	15.0		110	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.90*		*8.00*		*98.7*	*70-130*			
Matrix Spike (2218008-MS1)				**Source: E204114-01**					Prepared: 04/25/22 Analyzed: 04/26/22
Benzene	5.29	0.0250	5.00	ND	106	54-133			
Ethylbenzene	5.27	0.0250	5.00	ND	105	61-133			
Toluene	5.54	0.0250	5.00	ND	111	61-130			
o-Xylene	5.20	0.0250	5.00	ND	104	63-131			
p,m-Xylene	10.7	0.0500	10.0	ND	107	63-131			
Total Xylenes	15.9	0.0250	15.0	ND	106	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.71*		*8.00*		*96.3*	*70-130*			
Matrix Spike Dup (2218008-MSD1)				**Source: E204114-01**					Prepared: 04/25/22 Analyzed: 04/26/22
Benzene	5.64	0.0250	5.00	ND	113	54-133	6.36	20	
Ethylbenzene	5.63	0.0250	5.00	ND	113	61-133	6.73	20	
Toluene	5.95	0.0250	5.00	ND	119	61-130	7.07	20	
o-Xylene	5.57	0.0250	5.00	ND	111	63-131	6.90	20	
p,m-Xylene	11.4	0.0500	10.0	ND	114	63-131	6.63	20	
Total Xylenes	17.0	0.0250	15.0	ND	113	63-131	6.72	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.71*		*8.00*		*96.4*	*70-130*			

QC Summary Data

Souder Miller & Associates	Project Name:	Flush #1	**Reported:**
401 W. Broadway	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Ashley Maxwell	4/28/2022 10:04:06AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2218008-BLK1)									Prepared: 04/25/22 Analyzed: 04/26/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.09*		*8.00*		*88.6*	*70-130*			
LCS (2218008-BS2)									Prepared: 04/25/22 Analyzed: 04/26/22
Gasoline Range Organics (C6-C10)	46.3	20.0	50.0		92.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.18*		*8.00*		*89.8*	*70-130*			
Matrix Spike (2218008-MS2)				**Source: E204114-01**					Prepared: 04/25/22 Analyzed: 04/26/22
Gasoline Range Organics (C6-C10)	45.8	20.0	50.0	ND	91.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.26*		*8.00*		*90.8*	*70-130*			
Matrix Spike Dup (2218008-MSD2)				**Source: E204114-01**					Prepared: 04/25/22 Analyzed: 04/26/22
Gasoline Range Organics (C6-C10)	48.5	20.0	50.0	ND	96.9	70-130	5.73	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.09*		*8.00*		*88.7*	*70-130*			

QC Summary Data

Souder Miller & Associates	Project Name:	Flush #1	**Reported:**
401 W. Broadway	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Ashley Maxwell	4/28/2022 10:04:06AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AK

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2218027-BLK1)									Prepared: 04/26/22 Analyzed: 04/26/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*49.8*		*50.0*		*99.6*	*50-200*			
LCS (2218027-BS1)									Prepared: 04/26/22 Analyzed: 04/26/22
Diesel Range Organics (C10-C28)	498	25.0	500		99.6	38-132			
Surrogate: n-Nonane	*49.3*		*50.0*		*98.7*	*50-200*			
Matrix Spike (2218027-MS1)				**Source: E204114-04**					Prepared: 04/26/22 Analyzed: 04/26/22
Diesel Range Organics (C10-C28)	552	25.0	500	122	86.1	38-132			
Surrogate: n-Nonane	*49.8*		*50.0*		*99.6*	*50-200*			
Matrix Spike Dup (2218027-MSD1)				**Source: E204114-04**					Prepared: 04/26/22 Analyzed: 04/26/22
Diesel Range Organics (C10-C28)	556	25.0	500	122	86.9	38-132	0.747	20	
Surrogate: n-Nonane	*51.0*		*50.0*		*102*	*50-200*			

QC Summary Data

Souder Miller & Associates	Project Name:	Flush #1	**Reported:**
401 W. Broadway	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Ashley Maxwell	4/28/2022 10:04:06AM

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2218011-BLK1)									Prepared: 04/25/22 Analyzed: 04/26/22
Chloride	ND	20.0							
LCS (2218011-BS1)									Prepared: 04/25/22 Analyzed: 04/26/22
Chloride	250	20.0	250		99.8	90-110			
Matrix Spike (2218011-MS1)				**Source: E204125-01**					Prepared: 04/25/22 Analyzed: 04/26/22
Chloride	376	20.0	250	127	99.8	80-120			
Matrix Spike Dup (2218011-MSD1)				**Source: E204125-01**					Prepared: 04/25/22 Analyzed: 04/26/22
Chloride	370	20.0	250	127	97.3	80-120	1.64	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Souder Miller & Associates	Project Name:	Flush #1	
401 W. Broadway	Project Number:	03117-0014	**Reported:**
Farmington NM, 87401	Project Manager:	Ashley Maxwell	04/28/22 10:04

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information

Chain of Custody

Page 1 of 1

Client:	SMA
Project:	Flush #1
Project Manager:	Ashley Maxwell
Address:	401 W Broadway
City, State, Zip	Farmington, NM
Phone:	505 320 8975
Email:	
Report due by:	

Bill To

Attention:	SMA
Address:	
City, State, Zip	
Phone:	
Email:	

Lab Use Only

Lab WO#	Job Number
E204114	03117-0014

TAT: 1D | 2D | 3D | Standard (X)

EPA Program: CWA | SDWA | RCRA

State: NM | CO | UT | AZ | TX

Analysis and Method

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	Remarks
	~~RBS~~	Soil			X	~~X~~	~~X~~	~~X~~			X	
9:26	4/21/22		1	RB5	1	X	X	X			X	
10:18	4/21/22		1	RB4	2	X	X	X			X	
10:21	4/21/22		1	RSW1	3	X	X	X			X	
10:23	4/21/22	↓	1	RSW3	4	X	X	X			X	

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Ashley Maxwell

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4/21/22	12:17		4/21/22	12:19
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 4/21/2022 2:10:59PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Souder Miller & Associates	Date Received:	04/21/22 12:19	Work Order ID:	E204114
Phone:	(505) 325-7535	Date Logged In:	04/21/22 13:51	Logged In By:	Caitlin Christian
Email:	ashley.maxwelll@soudermiller.com	Due Date:	04/28/22 17:00 (5 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Ashley Maxwell
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: na

Client Instruction

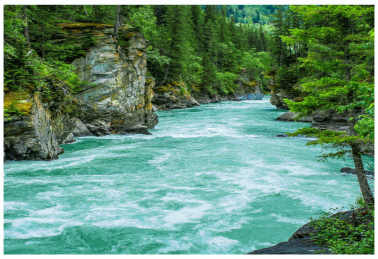
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Maxwell



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller & Associates

Project Name: Flush #1

Work Order: E205013

Job Number: 03117-0014

Received: 5/5/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/12/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 5/12/22

Ashley Maxwell
401 W. Broadway
Farmington, NM 87401

Project Name: Flush #1
Workorder: E205013
Date Received: 5/5/2022 9:51:00AM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/5/2022 9:51:00AM, under the Project Name: Flush #1.

The analytical test results summarized in this report with the Project Name: Flush #1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Alexa Michaels
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Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
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ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Souder Miller & Associates	Project Name:	Flush #1	**Reported:**
401 W. Broadway	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Ashley Maxwell	05/12/22 08:41

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
RSW3 (2)	E205013-01A	Soil	05/05/22	05/05/22	Glass Jar, 4 oz.

Sample Data

Souder Miller & Associates	Project Name:	Flush #1	
401 W. Broadway	Project Number:	03117-0014	**Reported:**
Farmington NM, 87401	Project Manager:	Ashley Maxwell	5/12/2022 8:41:57AM

RSW3 (2)

E205013-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2220014
Benzene	ND	0.0250	1	05/10/22	05/10/22	
Ethylbenzene	ND	0.0250	1	05/10/22	05/10/22	
Toluene	ND	0.0250	1	05/10/22	05/10/22	
o-Xylene	ND	0.0250	1	05/10/22	05/10/22	
p,m-Xylene	ND	0.0500	1	05/10/22	05/10/22	
Total Xylenes	ND	0.0250	1	05/10/22	05/10/22	
Surrogate: 4-Bromochlorobenzene-PID		*89.8 %*	*70-130*	*05/10/22*	*05/10/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2220014
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/22	05/10/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.9 %*	*70-130*	*05/10/22*	*05/10/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2220015
Diesel Range Organics (C10-C28)	**334**	25.0	1	05/10/22	05/10/22	
Oil Range Organics (C28-C36)	**418**	50.0	1	05/10/22	05/10/22	
Surrogate: n-Nonane		*104 %*	*50-200*	*05/10/22*	*05/10/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2220018
Chloride	**62.8**	20.0	1	05/10/22	05/10/22	

QC Summary Data

Souder Miller & Associates	Project Name:	Flush #1	**Reported:**
401 W. Broadway	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Ashley Maxwell	5/12/2022 8:41:57AM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2220014-BLK1)									Prepared: 05/10/22 Analyzed: 05/10/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.00*		*8.00*		*100*	*70-130*			
LCS (2220014-BS1)									Prepared: 05/10/22 Analyzed: 05/10/22
Benzene	4.80	0.0250	5.00		96.1	70-130			
Ethylbenzene	4.50	0.0250	5.00		90.0	70-130			
Toluene	4.71	0.0250	5.00		94.3	70-130			
o-Xylene	4.67	0.0250	5.00		93.4	70-130			
p,m-Xylene	9.27	0.0500	10.0		92.7	70-130			
Total Xylenes	13.9	0.0250	15.0		93.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.04*		*8.00*		*101*	*70-130*			
LCS Dup (2220014-BSD1)									Prepared: 05/10/22 Analyzed: 05/10/22
Benzene	4.99	0.0250	5.00		99.8	70-130	3.80	20	
Ethylbenzene	4.69	0.0250	5.00		93.8	70-130	4.15	20	
Toluene	4.90	0.0250	5.00		98.0	70-130	3.90	20	
o-Xylene	4.87	0.0250	5.00		97.3	70-130	4.08	20	
p,m-Xylene	9.67	0.0500	10.0		96.7	70-130	4.20	20	
Total Xylenes	14.5	0.0250	15.0		96.9	70-130	4.16	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.84*		*8.00*		*98.0*	*70-130*			

QC Summary Data

Souder Miller & Associates	Project Name:	Flush #1	**Reported:**
401 W. Broadway	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Ashley Maxwell	5/12/2022 8:41:57AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2220014-BLK1)									Prepared: 05/10/22 Analyzed: 05/10/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.27*		*8.00*		*90.8*	*70-130*			
LCS (2220014-BS2)									Prepared: 05/10/22 Analyzed: 05/10/22
Gasoline Range Organics (C6-C10)	48.9	20.0	50.0		97.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.46*		*8.00*		*93.2*	*70-130*			
LCS Dup (2220014-BSD2)									Prepared: 05/10/22 Analyzed: 05/10/22
Gasoline Range Organics (C6-C10)	53.5	20.0	50.0		107	70-130	9.06	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.35*		*8.00*		*91.9*	*70-130*			

QC Summary Data

Souder Miller & Associates	Project Name:	Flush #1	**Reported:**
401 W. Broadway	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Ashley Maxwell	5/12/2022 8:41:57AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2220015-BLK1)									Prepared: 05/10/22 Analyzed: 05/10/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.1*		*50.0*		*96.3*	*50-200*			
LCS (2220015-BS1)									Prepared: 05/10/22 Analyzed: 05/10/22
Diesel Range Organics (C10-C28)	494	25.0	500		98.7	38-132			
Surrogate: n-Nonane	*47.4*		*50.0*		*94.9*	*50-200*			
Matrix Spike (2220015-MS1)				**Source: E205039-10**					Prepared: 05/10/22 Analyzed: 05/10/22
Diesel Range Organics (C10-C28)	494	25.0	500	ND	98.7	38-132			
Surrogate: n-Nonane	*48.6*		*50.0*		*97.1*	*50-200*			
Matrix Spike Dup (2220015-MSD1)				**Source: E205039-10**					Prepared: 05/10/22 Analyzed: 05/10/22
Diesel Range Organics (C10-C28)	472	25.0	500	ND	94.5	38-132	4.38	20	
Surrogate: n-Nonane	*51.4*		*50.0*		*103*	*50-200*			

QC Summary Data

Souder Miller & Associates	Project Name:	Flush #1	**Reported:**
401 W. Broadway	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Ashley Maxwell	5/12/2022 8:41:57AM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2220018-BLK1)									Prepared: 05/10/22 Analyzed: 05/10/22
Chloride	ND	20.0							
LCS (2220018-BS1)									Prepared: 05/10/22 Analyzed: 05/10/22
Chloride	246	20.0	250		98.3	90-110			
Matrix Spike (2220018-MS1)				**Source: E205039-01**					Prepared: 05/10/22 Analyzed: 05/11/22
Chloride	635	200	250	369	106	80-120			
Matrix Spike Dup (2220018-MSD1)				**Source: E205039-01**					Prepared: 05/10/22 Analyzed: 05/10/22
Chloride	631	200	250	369	105	80-120	0.727	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Souder Miller & Associates	Project Name:	Flush #1	
401 W. Broadway	Project Number:	03117-0014	**Reported:**
Farmington NM, 87401	Project Manager:	Ashley Maxwell	05/12/22 08:41

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information

Chain of Custody

Page 1 of 1

Client: SMA	
Project: Flush #1	
Project Manager: Ashley Maxwell	
Address: 401 W Broadway	
City, State, Zip Farmington, NM	
Phone: 505 320 6975	
Email: Ashley.maxwell	
Report due by:	

Bill To

Attention: SMA	
Address: Flush #1	
City, State, Zip	
Phone:	
Email:	

Lab Use Only

Lab WO#	Job Number
E205013	03117-0014

TAT

1D	2D	3D	Standard
			X

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	Remarks
9:00	5/5/22	Soil	1	~~Flush #1~~ AM PSW3 (2)	1	X	X	X			X	HOLD

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Ashley Maxwell

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	5/5/22	9:51		5/6/22	9:51
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days

Lab Use Only

Received on ice: (Y) N

T1 T2 T3

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 5/5/2022 10:24:15AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Souder Miller & Associates	Date Received:	05/05/22 09:51	Work Order ID:	E205013
Phone:	(505) 325-7535	Date Logged In:	05/05/22 10:17	Logged In By:	Caitlin Christian
Email:	ashley.maxwelll@soudermiller.com	Due Date:	05/12/22 17:00 (5 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Ashey Maxwell
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	No	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: na

Client Instruction

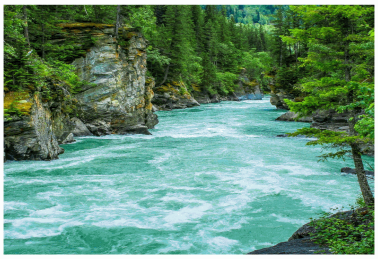
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Maxwell



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller & Associates

Project Name:	Flush #1
Work Order:	E205119
Job Number:	03117-0014
Received:	5/23/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/1/22

Date Reported: 6/1/22

Ashley Maxwell
401 W. Broadway
Farmington, NM 87401

Project Name: Flush #1
Workorder: E205119
Date Received: 5/23/2022 5:24:00PM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/23/2022 5:24:00PM, under the Project Name: Flush #1.

The analytical test results summarized in this report with the Project Name: Flush #1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

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Technical Representative/Client Services
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Cell: 505-320-4759
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West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Souder Miller & Associates	Project Name:	Flush #1	**Reported:**
401 W. Broadway	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Ashley Maxwell	06/01/22 14:35

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
RSW3 (3)	E205119-01A	Soil	05/23/22	05/23/22	Glass Jar, 4 oz.

Sample Data

Souder Miller & Associates	Project Name:	Flush #1	
401 W. Broadway	Project Number:	03117-0014	**Reported:**
Farmington NM, 87401	Project Manager:	Ashley Maxwell	6/1/2022 2:35:35PM

RSW3 (3)

E205119-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2222052
Benzene	ND	0.0250	1	05/26/22	05/31/22	
Ethylbenzene	ND	0.0250	1	05/26/22	05/31/22	
Toluene	ND	0.0250	1	05/26/22	05/31/22	
o-Xylene	ND	0.0250	1	05/26/22	05/31/22	
p,m-Xylene	ND	0.0500	1	05/26/22	05/31/22	
Total Xylenes	ND	0.0250	1	05/26/22	05/31/22	
Surrogate: 4-Bromochlorobenzene-PID		*93.4 %*	*70-130*	*05/26/22*	*05/31/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2222052
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/26/22	05/31/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.4 %*	*70-130*	*05/26/22*	*05/31/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2222083
Diesel Range Organics (C10-C28)	ND	25.0	1	05/27/22	05/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/27/22	05/31/22	
Surrogate: n-Nonane		*102 %*	*50-200*	*05/27/22*	*05/31/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2222062
Chloride	**124**	20.0	1	05/26/22	05/31/22	

QC Summary Data

Souder Miller & Associates	Project Name:	Flush #1	**Reported:**
401 W. Broadway	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Ashley Maxwell	6/1/2022 2:35:35PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2222052-BLK1)									Prepared: 05/26/22 Analyzed: 05/26/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.14*		*8.00*		*89.2*	*70-130*			
LCS (2222052-BS1)									Prepared: 05/26/22 Analyzed: 05/26/22
Benzene	5.47	0.0250	5.00		109	70-130			
Ethylbenzene	5.35	0.0250	5.00		107	70-130			
Toluene	5.75	0.0250	5.00		115	70-130			
o-Xylene	5.25	0.0250	5.00		105	70-130			
p,m-Xylene	10.8	0.0500	10.0		108	70-130			
Total Xylenes	16.1	0.0250	15.0		107	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.11*		*8.00*		*88.9*	*70-130*			
Matrix Spike (2222052-MS1)				**Source: E205112-02**					Prepared: 05/26/22 Analyzed: 05/26/22
Benzene	5.69	0.0250	5.00	ND	114	54-133			
Ethylbenzene	5.53	0.0250	5.00	ND	111	61-133			
Toluene	5.93	0.0250	5.00	ND	119	61-130			
o-Xylene	5.41	0.0250	5.00	ND	108	63-131			
p,m-Xylene	11.2	0.0500	10.0	ND	112	63-131			
Total Xylenes	16.6	0.0250	15.0	ND	111	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*6.87*		*8.00*		*85.8*	*70-130*			
Matrix Spike Dup (2222052-MSD1)				**Source: E205112-02**					Prepared: 05/26/22 Analyzed: 05/26/22
Benzene	5.69	0.0250	5.00	ND	114	54-133	0.0334	20	
Ethylbenzene	5.54	0.0250	5.00	ND	111	61-133	0.0443	20	
Toluene	5.93	0.0250	5.00	ND	119	61-130	0.0152	20	
o-Xylene	5.41	0.0250	5.00	ND	108	63-131	0.0536	20	
p,m-Xylene	11.2	0.0500	10.0	ND	112	63-131	0.0715	20	
Total Xylenes	16.6	0.0250	15.0	ND	111	63-131	0.0307	20	
Surrogate: 4-Bromochlorobenzene-PID	*6.84*		*8.00*		*85.4*	*70-130*			

QC Summary Data

Souder Miller & Associates	Project Name:	Flush #1	**Reported:**
401 W. Broadway	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Ashley Maxwell	6/1/2022 2:35:35PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2222052-BLK1)									Prepared: 05/26/22 Analyzed: 05/26/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.72*		*8.00*		*84.0*	*70-130*			
LCS (2222052-BS2)									Prepared: 05/26/22 Analyzed: 05/26/22
Gasoline Range Organics (C6-C10)	40.4	20.0	50.0		80.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.75*		*8.00*		*84.3*	*70-130*			
Matrix Spike (2222052-MS2)				**Source: E205112-02**					Prepared: 05/26/22 Analyzed: 05/26/22
Gasoline Range Organics (C6-C10)	41.9	20.0	50.0	ND	83.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.78*		*8.00*		*84.8*	*70-130*			
Matrix Spike Dup (2222052-MSD2)				**Source: E205112-02**					Prepared: 05/26/22 Analyzed: 05/26/22
Gasoline Range Organics (C6-C10)	44.0	20.0	50.0	ND	88.0	70-130	5.00	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.83*		*8.00*		*85.4*	*70-130*			

QC Summary Data

Souder Miller & Associates	Project Name:	Flush #1	**Reported:**
401 W. Broadway	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Ashley Maxwell	6/1/2022 2:35:35PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2222083-BLK1)									Prepared: 05/27/22 Analyzed: 05/31/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*52.8*		*50.0*		*106*	*50-200*			
LCS (2222083-BS1)									Prepared: 05/27/22 Analyzed: 05/31/22
Diesel Range Organics (C10-C28)	488	25.0	500		97.5	38-132			
Surrogate: n-Nonane	*52.1*		*50.0*		*104*	*50-200*			
Matrix Spike (2222083-MS1)				**Source: E205117-03**					Prepared: 05/27/22 Analyzed: 05/31/22
Diesel Range Organics (C10-C28)	490	25.0	500	ND	98.0	38-132			
Surrogate: n-Nonane	*48.5*		*50.0*		*97.1*	*50-200*			
Matrix Spike Dup (2222083-MSD1)				**Source: E205117-03**					Prepared: 05/27/22 Analyzed: 05/31/22
Diesel Range Organics (C10-C28)	487	25.0	500	ND	97.3	38-132	0.646	20	
Surrogate: n-Nonane	*52.2*		*50.0*		*104*	*50-200*			

QC Summary Data

Souder Miller & Associates	Project Name:	Flush #1	**Reported:**
401 W. Broadway	Project Number:	03117-0014	
Farmington NM, 87401	Project Manager:	Ashley Maxwell	6/1/2022 2:35:35PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2222062-BLK1)									Prepared: 05/26/22 Analyzed: 05/28/22
Chloride	ND	20.0							
LCS (2222062-BS1)									Prepared: 05/26/22 Analyzed: 05/28/22
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2222062-MS1)				**Source: E205112-01**					Prepared: 05/26/22 Analyzed: 05/28/22
Chloride	385	20.0	250	149	94.5	80-120			
Matrix Spike Dup (2222062-MSD1)				**Source: E205112-01**					Prepared: 05/26/22 Analyzed: 05/28/22
Chloride	403	20.0	250	149	102	80-120	4.65	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Souder Miller & Associates	Project Name:	Flush #1	
401 W. Broadway	Project Number:	03117-0014	**Reported:**
Farmington NM, 87401	Project Manager:	Ashley Maxwell	06/01/22 14:35

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information | Chain of Custody | Page 1 of 1

5day

Client: SMA	Bill To
Project: Flush #1	Attention: SMA
Project Manager: Ashley Maxwell	Address:
Address: 401 W Broadway	City, State, Zip
City, State, Zip Farmington, NM	Phone:
Phone: 505 320 8975	Email:
Email:	
Report due by:	

Lab Use Only		TAT		EPA Program		
Lab WO#	Job Number	1D	3D	RCRA	CWA	SDWA
205119	03117-0014					

State			
NM	CO	UT	AZ
TX	OK		

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			Remarks
8:42	5/23/2022	Soil	1	RSW3 (3)	1									X				

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Ashley Maxwell

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	5/23/2022	1430	Heath M Wo	5/23/22	1430
Heath M. Wo	5/23/22	1718		5/23/22	1724

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 5/24/2022 1:19:25PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Souder Miller & Associates	Date Received:	05/23/22 17:24	Work Order ID:	E205119
Phone:	(505) 325-7535	Date Logged In:	05/24/22 11:02	Logged In By:	Caitlin Christian
Email:	ashley.maxwelll@soudermiller.com	Due Date:	05/31/22 17:00 (5 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Heather Woods
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

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 120231

CONDITIONS

Operator:	OGRID:
Mustang Resources LLC 1660 Lincoln Street Denver, CO 80264	373495
	Action Number: 120231
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	7/7/2022