

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	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Robert Dunaway Title: Senior Environmental Engineer
Signature:  Date: 1/12/23
email: rhodunaway@eprod.com Telephone: 575-628-6802

Incident ID	
District RP	
Facility ID	
Application ID	

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

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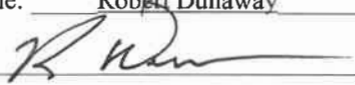
Closure

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- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

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Printed Name: Robert Dunaway Title: Senior Environmental Engineer
Signature:  Date: 1/12/23
email: rhunaway@eprod.com Telephone: 575-628-6802

Incident ID	NAPP2230627956
District RP	
Facility ID	
Application ID	

OCD Only

Received by: Robert Hamlet Date: 4/14/2023

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

Closure Approved by: Robert Hamlet Date: 4/14/2023

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced



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

January 11, 2023

#5E31002-BG27

NMOCD District 2
811 S. First St.
Artesia, New Mexico 88210

SUBJECT: Remediation Closure Report for the B-13 Lateral Pipeline Release (nAPP2230627956), Eddy County, New Mexico

1.0 Executive Summary

On behalf of Enterprise Field Services LLC (Enterprise), Souder, Miller & Associates (SMA) has prepared this Remediation Closure Report that describes the remediation of a natural gas and condensate release related to gas gathering activities at the B-13 Lateral Pipeline Release (NAPP2230627956). The release site is located in Unit F, Section 28, Township 21S, Range 27E, Eddy County, New Mexico, on privately-owned 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.

The gas portion of this release constitutes venting that occurred during an emergency or malfunction, as authorized by NMOCD regulations at NMAC 19.15.28.8.A and B(1). This release, therefore, is not prohibited by NMAC 19.15.29.8.A.

SMA recommends no further action and requests that the release associated with the B-13 Lateral Pipeline Release (NAPP2230627956) be closed.

Table 1: Release Information and Closure Criteria			
Name	B-13 Lateral Pipeline Release	Company	Enterprise Field Services LLC
API Number	N/A	Location	32.453419, -104.197412
Incident Number	nAPP2230627956	Date Release Discovered	October 27, 2022
Land Status	Private	Reported To	NMOCD District II
Source of Release	Leak on a gathering pipeline		
Nature and Volume of Release	2.0 bbl Condensate 125 Mcf Natural Gas	Volume Recovered	0 bbl Condensate 0 Mcf Natural Gas
NMOCD Closure Criteria	<50 feet per Table 1 of 19.15.29.12 NMAC		
SMA Response Dates	November 10, 11, and 21, 2022		

B-13 Lateral Release Closure Report January 11, 2023

Page 2 of 4

2.0 Background

On October 27, 2022, a natural gas and condensate release was discovered at the B-13 Lateral Pipeline release site. Initial response activities were conducted by Enterprise and included source elimination and site security, containment, and site stabilization activities. Figure 1 illustrates the vicinity and site location; Figure 2 illustrates the release location. The initial C-141 form is included in Appendix A.

3.0 Site Information and Closure Criteria

The B-13 Pipeline Release site is located approximately 2 miles northeast of Carlsbad, New Mexico on privately-owned land at an elevation of approximately 3,209 feet above mean sea level (amsl).

Depth to Groundwater and Wellhead Protection Area

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 reported four wells (C-01875, C-00925, C-01318, and C-02170) within a ½-mile of the site. The well record associated with NMOSE registered well C-01875 reports a static water level in the completed well of 40 feet below grade surface (bgs), however reports artesian conditions with water bearing strata reported at 165 feet bgs. Well C-01875 is located approximately 1,176 feet northwest of the release location at an interpreted elevation of 3,186 feet amsl. The well record associated with NMOSE registered well C-00925 reports a static water level in the completed well of 46 feet bgs, however reports artesian conditions with water bearing strata report at 100 feet bgs. Well C-00925 is located approximately 1,981 feet southwest of the release location at an interpreted elevation of 3,183 feet amsl. Lastly, the well record associated with NMOSE registered well C-02170 reports a static water level of 60 feet bgs, however reports a artesian conditions with water bearing strata reported at 249 feet bgs. Well C-02170 located approximately 2,575 feet south of the release location at an interpreted elevation of 3,162 feet amsl. Based on these records, it is anticipated that depth to groundwater is between 107 and 188 feet bgs at the release location. Water well documentation is included in Appendix B and registered wells in the vicinity are shown in Figure 1.

Distance to Nearest Significant Watercourse

The nearest significant watercourse is an unnamed tributary wash to the Pecos River, located approximately 2,420 feet to the northwest of the release location.

Closure Criteria

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.

Based on the information presented herein, the applicable NMOCD Closure Criteria for this site is for a groundwater depth of less than 50 feet bgs as the groundwater data available in the registered well records is greater than 25 years old.

4.0 Release Characterization and Remediation Activities

On November 21, 2022, following pipeline repair and excavation activities, SMA personnel performed closure confirmation sampling.

Six (6) 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 8021B; and total petroleum hydrocarbons (TPH) as motor, diesel, and gasoline range organics (MRO, DRO, and GRO) by USEPA Method 8015D. Excavation samples

B-13 Lateral Release Closure Report
January 11, 2023

Page 3 of 4

were composed of 5-point composites collected every 200 square feet or less per the sampling protocol in Appendix C. Field notes are included in Appendix D.

The main remediation excavation measured approximately 12 feet by 20 feet, with a depth of 6 feet.

Copies of confirmation sampling notifications are included in Appendix A. 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. The laboratory report is included in Appendix E.

5.0 Recommendations

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

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

SMA recommends no further action and requests closure of Incident Number nAPP2230627956.

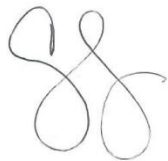
6.0 Scope and Limitations

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 Permian Basin in New Mexico.

If there are any questions regarding this report, please contact Heather Woods at (505) 716-2787.

Submitted by:
SOUDER, MILLER & ASSOCIATES

Reviewed by:



Georgeann Goodman
Environmental Tech II



Heather M. Woods, P.G.
Project Geoscientist

B-13 Lateral Release Closure Report
January 11, 2023

Page 4 of 4

REFERENCES:

New Mexico Office of the State Engineer (NMOSE) online water well database
https://gis.ose.state.nm.us/gisapps/ose_pod_locations/; accessed 1/3/2023

USGS National Water Information System: Web Interface online water well database
https://nwis.waterdata.usgs.gov/nwis/gwlevels?site_no=321205103544701&agency_cd=USGS&format=html; accessed 1/3/2023

ATTACHMENTS:

Figures:

Figure 1: Site Map
Figure 2: Aerial Site Map
Figure 3: Site and Sample Location Map

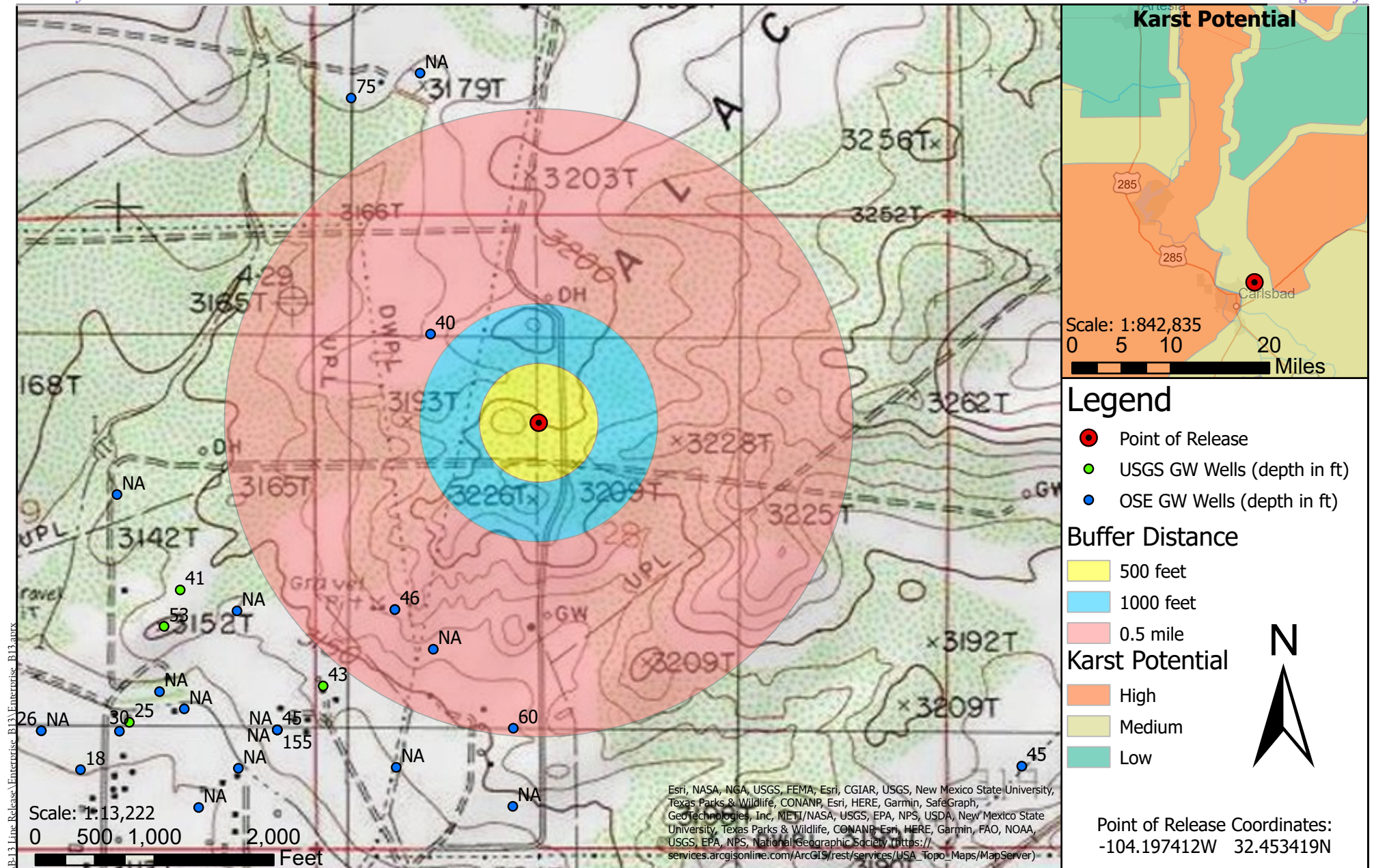
Tables:

Table 2: NMOCD Closure Criteria
Table 3: Summary of Laboratory Analytical Results

Appendices:

Appendix A: Form C-141 and Correspondence
Appendix B: Water Well Data
Appendix C: Sampling Protocol
Appendix D: Field Notes and Photo Log
Appendix E: Laboratory Analytical Report

FIGURES



Topographic Site Map

B-13 Lateral Pipeline Release - Enterprise Field Services, LLC

UL: F S: 28 T: 21S R: 27E, Eddy County, New Mexico

Figure 1

C:\Users\ss\Desktop\GIS\Enterprise B-13 Lateral Pipeline Release\Enterprise B-13.aprx
Date Saved: 11/16/2022

Revisions

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

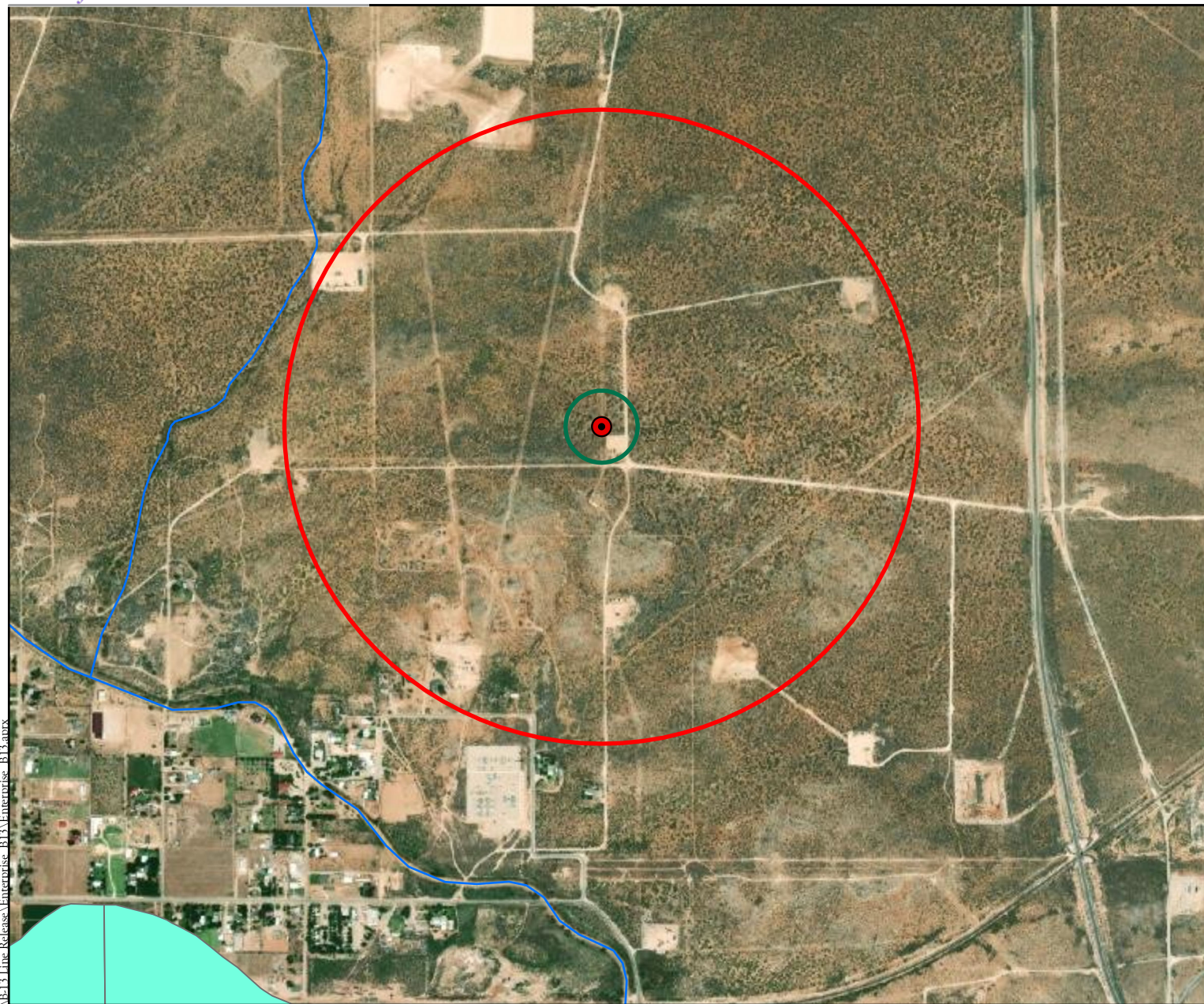
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Drawn
Date
Checked
Approved

Sarahmay Schlea
11/16/2022



201 South Halagueno Street
Carlsbad, New Mexico 88221
(575) 689-7040
Serving the Southwest & Rocky Mountains



Legend

- Point of Release
- Rivers/Streams/Canals/Flowlines
- FEMA Flood Zones
- 0.5 Mile Radius
- 300 Foot Radius

0 500 1,000 2,000

Feet

Scale: 1:15,131



Point of Release Coordinates:
-104.197412W 32.453419N

Aerial Site Map

B-13 Lateral Pipeline Release - Enterprise Field Services, LLC

UL: F S: 28 T: 21S R: 27E, Eddy County, New Mexico

Figure 2

Revisions

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

Drawn

Sarahmay Schlea

Date

11/16/2022

Checked

Approved



201 South Halagueno Street
Carlsbad, New Mexico 88221

(575) 689-7040

Serving the Southwest & Rocky Mountains

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TABLES

Table 2:
NMOCD Closure Criteria

Enterprise Field Services
B-13 Lateral Pipeline
nAPP2230627956

Site Information (19.15.29.11.A(2, 3, and 4) NMAC)		Source/Notes
Depth to Groundwater (feet bgs)	107 to 188	NMOSE and USGS Water Well Data
Horizontal Distance From All Water Sources Within 1/2 Mile	1,176 ft	NMOSE and USGS Water Well Data
Horizontal Distance to Nearest Significant Watercourse	2,420 ft	USGS 7.5-minute Quadrangle Map

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



Table 3:
Summary of Laboratory Analytical Results

Enterprise Field Services
B-13 Lateral Pipeline
nAPP2230627956

Sample ID	Sample Date	Depth of Sample (feet bgs)	Method 8021B		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	11/21/2022	0 to 6	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SW2	11/21/2022	0 to 6	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SW3	11/21/2022	0 to 6	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SW4	11/21/2022	0 to 6	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
BS01	11/21/2022	6	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
BS02	11/21/2022	6	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0

Notes:

NMOCD - New Mexico Oil Conservation Division

bgs - below grade surface

mg/kg - milligrams per kilogram

"--" indicates not analyzed or not applicable

BTEX - benzene, toluene, ethylbenzene, and xylenes

GRO - gasoline range organics

DRO - diesel range organics

MRO - motor oil range organics

TPH - total petroleum hydrocarbons



APPENDIX A

FORM C-141 AND

CORRESPONDENCE

State of New Mexico
Energy Minerals and Natural
Resources Department

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

Incident ID	NAPP2230627956
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	Enterprise Field Services LLC	OGRID	241602
Contact Name	Robert Dunaway	Contact Telephone	575-628-6802
Contact email	rhodunaway@eprod.com	Incident # (assigned by OCD)	nAPP2230627956
Contact mailing address	PO Box 4324, Houston, TX 77210		

Location of Release Source

Latitude 32.453419 Longitude -104.197412
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	B-13 Lateral	Site Type	Gathering Pipeline
Date Release Discovered	10/27/2022	API# (if applicable)	

Unit Letter	Section	Township	Range	County
F	28	21S	27E	Eddy

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: Estella Elizondo)

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input checked="" type="checkbox"/> Condensate	Volume Released (bbls) 2	Volume Recovered (bbls) -0-
<input checked="" type="checkbox"/> Natural Gas	Volume Released (Mcf) 125	Volume Recovered (Mcf) -0-
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)


Cause of Release

Found a leak on a gathering pipeline, cause is to be determined. The gas portion of this release constitutes venting that occurs during an emergency or malfunction, as authorized by NMOCD regulations at NMAC 19.15.28.8.A and B(1). This release therefore is not prohibited by NMAC 19.15.29.8.A.

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

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped.	
<input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Robert Dunaway</u>	Title: <u>Senior Environmental Engineer</u>
Signature: <u></u>	Date: <u>11/2/22</u>
email: <u>rhduaway@eprod.com</u>	Telephone: <u>575-628-6802</u>
<u>OCD Only</u>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>11/02/2022</u>

Enter data in shaded fields to calculate gas volumes

Hours of leak	1	
Diameter of hole (inches)	0.025	
Line Pressure at Leak	650	Hourly Bas
Volume of Gas Leaked	0.54	0.54

Calculations:

Volume of Gas Leaked (MSCF) = Diameter*Diameter*(Upstream Gauge Pressu

****Reference: Pipeline Rules of Thumb Handbook, 3rd Edition, McAllister. Page**

Footage of Pipe blowdown	5,280	
Initial line pressure	650	
Diameter of Pipe (inches)	6	
Volume of Gas Blown Down	124.34703	MSCF

Calculations:

Volume of Gas Blown Down (MSCF) = Volume at pipeline conditions (ft3)*(Gau
/(1000 scf/mscf)*Standard Pressure (14.7psi)*Temperature(F)*Z Factor

Volume at pipeline conditions (scf) = Diameter/12 (ft)*Diameter/12 (ft)*PI/4*Len

****Reference: Gas Pipeline Hydraulics, Menon (2005) Pages 132-134. Assuming**

Released to Imaging: 4/14/2023 1:37:06 PM

Total Gas Loss	124.88 MSCF
-----------------------	--------------------

Heather Woods

From: Sarahmay Schlea
Sent: Thursday, November 17, 2022 11:32 AM
To: Enviro, OCD, EMNRD
Cc: rhdunaway@eprod.com; Heather Woods; Georgeann Goodman
Subject: Confirmation Sampling Notification Enterprise B-13 Lateral (nAPP2230627956)

Good morning,

Souder, Miller and Associates will be onsite to collect confirmation samples at the Enterprise B-13 Lateral pipeline release (nAPP2230627956) located at 32.453419, -104.197412 on Monday, November 21st beginning at 12:30pm.

Thank you,
Sarahmay



Stronger Communities by Design



www.soudermiller.com

Sarahmay Schlea

Staff Scientist I

(she/her)

Direct/Mobile: 330-958-5689

Office: 575-449-2758

201 S Halagueno St
Carlsbad, NM 88220

Corporate Registrations: AZ Engineering/Geology/Surveying Firm (14070), FL Engineering Firm (34203), ID Engineering/Surveying Firm (C-3564), ND Engineering Firm (28545PE), OK Engineering Firm (8498), SD Surveying Firm (C-7436), TX Engineering Firm (8877), TX Geology Firm (50254), TX Surveying Firm (10162200), WY Engineering/Surveying Firm (S-1704)

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Statement on Viruses and Harmful Software: While the message and attachment(s) have been scanned with anti-virus software, SMA does not guarantee that this message or any attachment(s) is free of computer viruses or other harmful software. SMA does not accept liability for any damages caused by any computer virus or other harmful software transmitted herewith.

APPENDIX B

WATER WELL DATA



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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



























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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q Q Q						X	Y	Depth Well	Depth Water	Water Column	
				64	16	4	Sec	Tws	Rng						
C 00061	C	ED		1	2	4	21	21S	27E	576163	3592217*		150		
C 00064 A	CUB	ED		1	1	32	21S	27E	573461	3589670*		95	15	80	
C 00096	CUB	ED					29	21S	27E	574063	3590675*		91		
C 00106	CUB	ED		2	1	1	32	21S	27E	573560	3589769*		105		
C 00188	C	ED		3	3	28	21S	27E	575076	3590094*		280			
C 00197	C	ED					32	21S	27E	574067	3589068*		300		
C 00206	C	ED		2	4	21	21S	27E	576264	3592118*		150			
C 00222	CUB	ED		1	3	4	29	21S	27E	574167	3590182*		297		
C 00337	C	ED		1	1	2	32	21S	27E	574168	3589780*		318	40	278
C 00344	C	ED		3	3	32	21S	27E	573464	3588465*		180	17	163	
C 00552	C	ED		1	2	3	29	21S	27E	573759	3590579		240	24	216
C 00561	C	ED		2	3	1	32	21S	27E	573561	3589368*		250		
C 00566	C	ED		2	2	2	32	21S	27E	574773	3589785*		323	18	305
C 00606	C	ED		1	1	3	29	21S	27E	573355	3590573*		252	8	244
C 00632	CUB	ED		2	2	2	32	21S	27E	574773	3589785*		270	30	240
C 00634	CUB	ED		4	1	3	29	21S	27E	573555	3590373*		122	17	105
C 00652	CUB	ED		2	4	4	29	21S	27E	574771	3590188*		458		
C 00660	C	ED		2	1	2	32	21S	27E	574368	3589780*		325	14	311
C 00673	C	ED		2	3	4	29	21S	27E	574367	3590182*		309	30	279
C 00688	C	ED		2	2	3	29	21S	27E	573959	3590579*		90	31	59
C 00725	C	ED		4	3	1	29	21S	27E	573552	3590775*		222	22	200
C 00741	C	ED		3	3	1	29	21S	27E	573352	3590775*				
C 00749	C	ED		4	4	3	29	21S	27E	573963	3589977*				
C 00751	C	ED					32	21S	27E	574067	3589068*		325	15	310
C 00767	CUB	ED		1	3	4	29	21S	27E	574167	3590182*		150	26	124
C 00779	C	ED					29	21S	27E	574063	3590675*		247	18	229

*UTM location was derived from PLSS - see Help






























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

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

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

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD		Q Q Q							X	Y	Depth Well	Depth Water	Water Column	
	Sub-Code	basin	County	64	16	4	Sec	Tws	Rng						
C 00781	C	ED					29	21S	27E	574063	3590675*		302	29	273
C 00888	C	ED					29	21S	27E	574063	3590675*		270	12	258
C 00925	C	ED		1	3		28	21S	27E	575070	3590498*		300	46	254
C 00943	C	ED		2	4	3	29	21S	27E	573963	3590177*		280	27	253
C 01038	C	ED		3	4	3	29	21S	27E	573763	3589977*		293	14	279
C 01047	CUB	ED		3	1		29	21S	27E	573453	3590876*		288	256	32
C 01068	C	ED		3	1	3	29	21S	27E	573355	3590373*		350	20	330
C 01069	C	ED		3	3	1	29	21S	27E	573352	3590775*		355	20	335
C 01087	C	ED			1		29	21S	27E	573654	3591077*		310	16	294
C 01096	C	ED		3	4	3	29	21S	27E	573763	3589977*		306	17	289
C 01101	C	ED		3	4	3	29	21S	27E	573763	3589977*		315	17	298
C 01155	C	ED		1	3		29	21S	27E	573456	3590474*		290	22	268
C 01174	C	ED		1	3	1	29	21S	27E	573352	3590975*		280	27	253
C 01248	C	ED		3	3	1	29	21S	27E	573352	3590775*		240	19	221
C 01250	C	ED		3	3		27	21S	27E	576677	3590107*		250	45	205
C 01252	C	ED		1	1		32	21S	27E	573461	3589670*		260	17	243
C 01299	C	ED		1	3	1	29	21S	27E	573352	3590975*		284	23	261
C 01321	C	LE		2	3		29	21S	27E	573860	3590480*		270	60	210
C 01449	C	ED		1	3	3	21	21S	27E	574950	3591807*		108	75	33
C 01553	C	ED		3	1	1	29	21S	27E	573349	3591177*		84		
C 01581	C	ED		1	1	1	32	21S	27E	573360	3589769*				
C 01644	C	ED		1	1		29	21S	27E	573450	3591278*		66	35	31
C 01649	C	ED		3	1	1	29	21S	27E	573349	3591177*		88	25	63
C 01650	C	ED		4	4		29	21S	27E	574672	3590089*		45		
C 01653	C	ED		4	1		29	21S	27E	573856	3590882*		60	20	40
C 01662	C	ED		3	1		29	21S	27E	573453	3590876*		40		
C 01709	C	ED					29	21S	27E	574063	3590675*		42	15	27
C 01755	C	ED		2	3		29	21S	27E	573860	3590480*		320	17	303
C 01875	C	ED		4	1	1	28	21S	27E	575157	3591204*		170	40	130

*UTM location was derived from PLSS - see Help

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

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

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

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Sub- Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 01947	C	ED		3	4	29	21S	27E		574268	3590083*	43	18	25
C 02009	C	ED		3	3	32	21S	27E		573464	3588465*	50	32	18
C 02045	C	ED		2	3	29	21S	27E		573860	3590480*	80	29	51
C 02170	C	ED		1	4	3	28	21S	27E	575375	3590196*	253	60	193
C 02193	C	ED			4	32	21S	27E		574476	3588675*	55	15	40
C 02471	C	ED		1	3	3	29	21S	27E	573359	3590171*	120	50	70
C 02530	C	ED		3	1	3	29	21S	27E	573355	3590373*	30	17	13
C 02645	C	ED		2	4	4	29	21S	27E	574771	3590188*	195	45	150
C 02788	C	ED		1	1	1	32	21S	27E	573360	3589769*	30	15	15
C 02837	C	ED		2	4	4	29	21S	27E	574771	3590188*	179	155	24
C 03171	C	ED		3	2	3	29	21S	27E	573705	3590267	100	31	69
C 03335	C	ED		4	1	3	29	21S	27E	573636	3589020	225	31	194
C 03614 POD1	CUB	ED		1	2	3	29	21S	27E	573836	3590510	228	30	198
C 03706 POD1	C	ED		3	4	4	22	21S	27E	584939	3569812	200		
C 03903 POD1	CUB	ED		4	3	1	29	21S	27E	573540	3590712	165		
C 04251 POD1	CUB	ED		1	1	3	21	21S	27E	574907	3592282	160	100	60
C 04414 POD1	C	ED		1	2	2	20	21S	27E	574575	3593118	255	120	135
C 04443 POD1	C	ED		3	3	4	29	21S	27E	574180	3589974	120	55	65
C 04457 POD1	CUB	ED		2	3	1	32	21S	27E	573618	3589444	18	13	5
C 04457 POD2	CUB	ED		1	4	1	32	21S	27E	573743	3589466	12	7	5
C 04457 POD4	CUB	ED		1	3	1	33	21S	27E	574936	3589466	20	15	5
C 04544 POD1	C	ED		3	3	2	29	21S	27E	574096	3590774	97	40	57

*UTM location was derived from PLSS - see Help

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

Average Depth to Water: **35 feet**

Minimum Depth: **7 feet**

Maximum Depth: **256 feet**

Record Count: 77

PLSS Search:

Section(s): 20, 21, 22, 27, **Township:** 21S **Range:** 27E
28, 29, 32, 33,
34

Revised June 1972

STATE ENGINEER OFFICE
WELL RECORD

FIELD ENGR. LOG
444734

Section 1. GENERAL INFORMATION

(A) Owner of well P.O. Elizondo Owner's Well No. C-1875
Street or Post Office Address RT 2 Box 5-C
City and State Carlsbad New Mexico 88220

Well was drilled under Permit No. C-1875 and is located in the:
a. NW SW SW
SE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 28 Township 21N Range 27E N.M.P.M.
b. Tract No. _____ of Map No. _____ of the _____
c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in Eddy County.
d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in
the _____ Grant.

(B) Drilling Contractor Jack L. Ingram License No. WD 591
Address RT 1 Box 280 Carlsbad New Mexico
Drilling Began 4/21/82 Completed 6/8/83 Type tools Cable Size of hole 6 in.
Elevation of land surface or _____ at well is _____ ft. Total depth of well 170 ft.
Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well 70 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			
<u>165</u>	<u>170</u>	<u>5</u>	<u>Sand & Gravel w/ water</u>	<u>10</u>

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To
<u>6"</u>		<u>NONE</u>	<u>0</u>	<u>170</u>		<u>NONE</u>	<u>170</u>	<u>170</u>

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
From	To				
			<u>NONE</u>		

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by: _____
State Engineer Representative

No.	Depth in Feet		Cubic Feet of Cement
	Top	Bottom	
<u>1</u>			
<u>2</u>			
<u>3</u>			
<u>4</u>			

FOR USE OF STATE ENGINEER ONLY

Date Received June 16, 1983 Quad _____ FWL _____ FSL _____
File No. C-1875 Use Domestic Location No. 21.27.28.33111
Released to Imaging: 4/14/2023 1:37:06 PM

[illegible]

Section 7. REMARKS AND ADDITIONAL INFORMATION

JUN 16 8 49 AM '83

STATE ENGINEER,
ROSWELL, NM

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

Jack L. Gorman
Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1 and Section 2 need be completed.

Form WR-23

SANTA FE

STATE ENGINEER OFFICE

WELL RECORD

193154
461915

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1

(A) Owner of well P. O. ElizondoStreet and Number La Huerta, Route # 1, Box 7City Carlsbad State New MexicoWell was drilled under Permit No. C - 925 and is located in the
SW 1/4 NW 1/4 SW 1/4 of Section 28 Twp. 21 Rge. 27(B) Drilling Contractor Emmett Barron License No. WD 30Street and Number 307 South TenthCity Carlsbad State New MexicoDrilling was commenced June 8 19 60Drilling was completed July 8 19 60

(Plat of 640 acres)

Elevation at top of casing in feet above sea level _____ Total depth of well 300 feetState whether well is shallow or artesian Artesian Depth to water upon completion 46 feet

Section 2

PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1	100	110	10	Red Bed and Sand (Surface Water)
2	240	245	5	Red Bed and Broken Lime
3	245	260	15	Yellow and Brown Lime
4				
5				

Section 3

RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To
7 " OD	23	8	0	232	232	collar	none	none

Section 4

RECORD OF MUDDING AND CEMENTING

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				
		8 "		20	Denton Cementing Co.

Section 5

PLUGGING RECORD

Name of Plugging Contractor _____ License No. _____

Street and Number _____ City _____ State _____

Tons of Clay used _____ Tons of Roughage used _____ Type of roughage _____

Plugging method used _____ Date Plugged _____ 19 _____

Plugging approved by: _____

Cement Plugs were placed as follows:

Basin Supervisor _____

FOR USE OF STATE ENGINEER ONLY

Date Received 1960 AUG 29 AM 8:2

File No. C-925

No.	Depth of Plug		No. of Sacks Used
	From	To	

Use Don.Location No. 21 2728. 3/3

(D 179.5

LOG OF WELL

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

Emmett Barin
Well Driller

FIELD REPORT FOR CEMENTING OF

File No. C-925 Location No. 21.27.28.313

C-925

ROUTING SLIP

To: Field Supervisor (Basin) or (County) _____

From: _____ Applicant _____

Land Location _____

Field Check Requested For the Following Reasons Date: _____

- Proof of Completion of Works.....☐
- Proof of Beneficial Use.....☐
- Declaration.....☐
- Extension of Time.....☐
- Illegal Irrigation.....☐
- Supplemental Well.....☐
- Leakage Test.....☐
- Cementing (water-oil).....☐
- Reduction from Irr. or Dom.☐
- Pressure Test.....☐
- Inspect Casing.....☐
- Others _____☐

Sec. _____ T. _____ R. _____ Sec. _____ T. _____ R. _____

+	+	+	+	+	+	+
+	+	+	+	+	+	+
+	+	+	+	+	+	+
+	+	+	+	+	+	+
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+	+	+	+	+	+	+

+	+	+	+	+	+	+
+	+	+	+	+	+	+
+	+	+	+	+	+	+
+	+	+	+	+	+	+
+	+	+	+	+	+	+
+	+	+	+	+	+	+
+	+	+	+	+	+	+

Old Well (plugged-retained-reduced)

REMARKS: _____

Date: _____ By: _____

File No. _____ Location No. _____

Revised June 1972

STATE ENGINEER OFFICE
WELL RECORD

468950

Section 1. GENERAL INFORMATION

09 APR 12 AIO: 38

(A) Owner of well Jesse W. Laman, Sr. Owner's Well No. _____
Street or Post Office Address 1419 Eagle Avenue
City and State Carlsbad, New Mexico 88220

Well was drilled under Permit No. C-2170 and is located in the:

- a. W¹/₂ 1/₄ SW 1/₄ SE 1/₄ of Section 28 Township 21S Range 27E N.M.P.M.
- b. Tract No. _____ of Map No. _____ of the _____
- c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ Eddy County.
- d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor W.H. Taylor, Sr. License No. WD-604

Address 1401 W. Fox St., Carlsbad, New Mexico 88220

Drilling Began Nov. 28, 1988 Completed Dec. 30, 1988 Type tools Rotary Size of hole 8" in.

Elevation of land surface or _____ at well is _____ ft. Total depth of well 252' 10" ft.

Completed well is ☒ shallow ☐ artesian. Depth to water upon completion of well 60' ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			
249'	252'	3'	unknown washed it away	35 gal. minute
				1 Rose pump

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To
5 1/2			1'	252' 10"	253' 10"		232	252' 10"

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
From	To				

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by: _____
State Engineer Representative

No.	Depth in Feet		Cubic Feet of Cement
	Top	Bottom	
1			
2			
3			
4			

Date Received January 5, 1989

FOR USE OF STATE ENGINEER ONLY

Quad _____ FWL _____ FSL _____

File No. C2170

Domestic

Use _____ Location No. 21-27/28, 34133

Section 7. REMARKS AND ADDITIONAL INFORMATION

W. A. Taylor Sr.
Driller

Released to Imaging: 4/14/2023 1:37:06 PM

APPENDIX C

SAMPLING PROTOCOL



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. Samples collected for laboratory analysis were analyzed 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.

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 courier 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 AND PHOTO LOG



SAMPLING DATE: November 21, 2022

soil color: light, dark, tan, brown, yellow, red, olive, gray
soil type: gravel, rock, sand, silty, clay
moisture level: dry, moist, wet

Photograph Log
B-13 Lateral Pipeline Release
Enterprise Field Services



Photograph #1	
Client: Enterprise Field Services	
Site Name: B-13 Lateral Pipeline Release	
Date Photo Taken: November 21, 2022	
Release Location: N32.453419, W104.197412 S28-T21S-R27E Eddy County, New Mexico	
Photo Taken by: Sarahmay Schlea	Description: Facing north, view of confirmation samples BS01 (right), BS02 (left) and SW1.

Photograph Log
B-13 Lateral Pipeline Release
Enterprise Field Services



Photograph #2	
Client: Enterprise Field Services	
Site Name: B-13 Lateral Pipeline Release	
Date Photo Taken: November 21, 2022	
Release Location: N32.453419, W104.197412 S28-T21S-R27E Eddy County, New Mexico	
Photo Taken by: Sarahmay Schlea	Description: Facing northeast, view of confirmation sample SW2.

Photograph Log
B-13 Lateral Pipeline Release
Enterprise Field Services



Photograph #3	
Client: Enterprise Field Services	
Site Name: B-13 Lateral Pipeline Release	
Date Photo Taken: November 21, 2022	
Release Location: N32.453419, W104.197412 S28-T21S-R27E Eddy County, New Mexico	
Photo Taken by: Sarahmay Schlea	Description: Facing southeast, view of confirmation sample SW3.

Photograph Log
B-13 Lateral Pipeline Release
Enterprise Field Services



Photograph #4	
Client: Enterprise Field Services	
Site Name: B-13 Lateral Pipeline Release	
Date Photo Taken: November 21, 2022	
Release Location: N32.453419, W104.197412 S28-T21S-R27E Eddy County, New Mexico	
Photo Taken by: Sarahmay Schlea	Description: Facing southwest, view of confirmation sample SW4.

APPENDIX E

LABORATORY ANALYTICAL REPORT

Report to:
Heather Woods



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller Associates - Carlsbad

Project Name: B-13 Pipeline Release

Work Order: E211148

Job Number: 97057-0001

Received: 11/23/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/29/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 11/29/22



Heather Woods
201 S Halagueno St.
Carlsbad, NM 88220

Project Name: B-13 Pipeline Release
Workorder: E211148
Date Received: 11/23/2022 11:00:00AM

Heather Woods,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/23/2022 11:00:00AM, under the Project Name: B-13 Pipeline Release.

The analytical test results summarized in this report with the Project Name: B-13 Pipeline Release 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 regarding 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
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Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	B-13 Pipeline Release	Reported: 11/29/22 15:39
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BS01 @ 6'	E211148-01A	Soil	11/21/22	11/23/22	Glass Jar, 2 oz.
BS02 @ 6'	E211148-02A	Soil	11/21/22	11/23/22	Glass Jar, 2 oz.
SW1	E211148-03A	Soil	11/21/22	11/23/22	Glass Jar, 2 oz.
SW2	E211148-04A	Soil	11/21/22	11/23/22	Glass Jar, 2 oz.
SW3	E211148-05A	Soil	11/21/22	11/23/22	Glass Jar, 2 oz.
SW4	E211148-06A	Soil	11/21/22	11/23/22	Glass Jar, 2 oz.



Sample Data

Souder Miller Associates - Carlsbad	Project Name:	B-13 Pipeline Release	
201 S Halagueno St.	Project Number:	97057-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	11/29/2022 3:39:14PM

BS01 @ 6'

E211148-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2249004
Benzene	ND	0.0250	1	11/28/22	11/29/22	
Ethylbenzene	ND	0.0250	1	11/28/22	11/29/22	
Toluene	ND	0.0250	1	11/28/22	11/29/22	
o-Xylene	ND	0.0250	1	11/28/22	11/29/22	
p,m-Xylene	ND	0.0500	1	11/28/22	11/29/22	
Total Xylenes	ND	0.0250	1	11/28/22	11/29/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.4 %	70-130		11/28/22	11/29/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2249004
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/28/22	11/29/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	98.4 %	70-130		11/28/22	11/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2249005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/28/22	11/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/28/22	11/28/22	
<i>Surrogate: n-Nonane</i>	64.7 %	50-200		11/28/22	11/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2249001
Chloride	ND	20.0	1	11/28/22	11/28/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: B-13 Pipeline Release
Project Number: 97057-0001
Project Manager: Heather Woods

Reported:
11/29/2022 3:39:14PM

BS02 @ 6'

E211148-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2249004
Benzene	ND	0.0250	1	11/28/22	11/28/22	
Ethylbenzene	ND	0.0250	1	11/28/22	11/28/22	
Toluene	ND	0.0250	1	11/28/22	11/28/22	
o-Xylene	ND	0.0250	1	11/28/22	11/28/22	
p,m-Xylene	ND	0.0500	1	11/28/22	11/28/22	
Total Xylenes	ND	0.0250	1	11/28/22	11/28/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.8 %	70-130		11/28/22	11/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2249004
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/28/22	11/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.8 %	70-130		11/28/22	11/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2249005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/28/22	11/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/28/22	11/29/22	
<i>Surrogate: n-Nonane</i>						
	64.7 %	50-200		11/28/22	11/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2249001
Chloride	ND	20.0	1	11/28/22	11/28/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: B-13 Pipeline Release
Project Number: 97057-0001
Project Manager: Heather Woods

Reported:
11/29/2022 3:39:14PM

SW1

E211148-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2249004
Benzene	ND	0.0250	1	11/28/22	11/28/22	
Ethylbenzene	ND	0.0250	1	11/28/22	11/28/22	
Toluene	ND	0.0250	1	11/28/22	11/28/22	
o-Xylene	ND	0.0250	1	11/28/22	11/28/22	
p,m-Xylene	ND	0.0500	1	11/28/22	11/28/22	
Total Xylenes	ND	0.0250	1	11/28/22	11/28/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.2 %	70-130		11/28/22	11/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2249004
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/28/22	11/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.3 %	70-130		11/28/22	11/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2249005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/28/22	11/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/28/22	11/29/22	
<i>Surrogate: n-Nonane</i>						
	70.1 %	50-200		11/28/22	11/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2249001
Chloride	ND	20.0	1	11/28/22	11/28/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: B-13 Pipeline Release
Project Number: 97057-0001
Project Manager: Heather Woods

Reported:
11/29/2022 3:39:14PM

SW2

E211148-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2249004
Benzene	ND	0.0250	1	11/28/22	11/28/22	
Ethylbenzene	ND	0.0250	1	11/28/22	11/28/22	
Toluene	ND	0.0250	1	11/28/22	11/28/22	
o-Xylene	ND	0.0250	1	11/28/22	11/28/22	
p,m-Xylene	ND	0.0500	1	11/28/22	11/28/22	
Total Xylenes	ND	0.0250	1	11/28/22	11/28/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.7 %	70-130		11/28/22	11/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2249004
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/28/22	11/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.0 %	70-130		11/28/22	11/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2249005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/28/22	11/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/28/22	11/29/22	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		11/28/22	11/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2249001
Chloride	ND	20.0	1	11/28/22	11/28/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: B-13 Pipeline Release
Project Number: 97057-0001
Project Manager: Heather Woods

Reported:
11/29/2022 3:39:14PM

SW3

E211148-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2249004
Benzene	ND	0.0250	1	11/28/22	11/28/22	
Ethylbenzene	ND	0.0250	1	11/28/22	11/28/22	
Toluene	ND	0.0250	1	11/28/22	11/28/22	
o-Xylene	ND	0.0250	1	11/28/22	11/28/22	
p,m-Xylene	ND	0.0500	1	11/28/22	11/28/22	
Total Xylenes	ND	0.0250	1	11/28/22	11/28/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.5 %	70-130		11/28/22	11/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2249004
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/28/22	11/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.4 %	70-130		11/28/22	11/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2249005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/28/22	11/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/28/22	11/29/22	
<i>Surrogate: n-Nonane</i>						
	70.1 %	50-200		11/28/22	11/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2249003
Chloride	ND	20.0	1	11/28/22	11/29/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: B-13 Pipeline Release
Project Number: 97057-0001
Project Manager: Heather Woods

Reported:
11/29/2022 3:39:14PM

SW4

E211148-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2249004
Benzene	ND	0.0250	1	11/28/22	11/28/22	
Ethylbenzene	ND	0.0250	1	11/28/22	11/28/22	
Toluene	ND	0.0250	1	11/28/22	11/28/22	
o-Xylene	ND	0.0250	1	11/28/22	11/28/22	
p,m-Xylene	ND	0.0500	1	11/28/22	11/28/22	
Total Xylenes	ND	0.0250	1	11/28/22	11/28/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.5 %	70-130		11/28/22	11/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2249004
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/28/22	11/28/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.3 %	70-130		11/28/22	11/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2249005
Diesel Range Organics (C10-C28)	ND	25.0	1	11/28/22	11/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/28/22	11/29/22	
<i>Surrogate: n-Nonane</i>						
	70.0 %	50-200		11/28/22	11/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2249003
Chloride	ND	20.0	1	11/28/22	11/29/22	



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	B-13 Pipeline Release	Reported:
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	11/29/2022 3:39:14PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2249004-BLK1)

Prepared: 11/28/22 Analyzed: 11/28/22

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	7.95		8.00		99.3	70-130			

LCS (2249004-BS1)

Prepared: 11/28/22 Analyzed: 11/28/22

Benzene	4.34	0.0250	5.00		86.9	70-130			
Ethylbenzene	4.42	0.0250	5.00		88.3	70-130			
Toluene	4.51	0.0250	5.00		90.2	70-130			
o-Xylene	4.55	0.0250	5.00		91.0	70-130			
p,m-Xylene	8.97	0.0500	10.0		89.7	70-130			
Total Xylenes	13.5	0.0250	15.0		90.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.96		8.00		99.5	70-130			

Matrix Spike (2249004-MS1)

Source: E211148-02

Prepared: 11/28/22 Analyzed: 11/29/22

Benzene	4.28	0.0250	5.00	ND	85.6	54-133			
Ethylbenzene	4.43	0.0250	5.00	ND	88.5	61-133			
Toluene	4.57	0.0250	5.00	ND	91.3	61-130			
o-Xylene	4.61	0.0250	5.00	ND	92.2	63-131			
p,m-Xylene	8.97	0.0500	10.0	ND	89.7	63-131			
Total Xylenes	13.6	0.0250	15.0	ND	90.6	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.79		8.00		97.4	70-130			

Matrix Spike Dup (2249004-MSD1)

Source: E211148-02

Prepared: 11/28/22 Analyzed: 11/28/22

Benzene	4.60	0.0250	5.00	ND	92.1	54-133	7.31	20	
Ethylbenzene	4.71	0.0250	5.00	ND	94.1	61-133	6.17	20	
Toluene	4.80	0.0250	5.00	ND	95.9	61-130	4.91	20	
o-Xylene	4.86	0.0250	5.00	ND	97.3	63-131	5.30	20	
p,m-Xylene	9.57	0.0500	10.0	ND	95.7	63-131	6.40	20	
Total Xylenes	14.4	0.0250	15.0	ND	96.2	63-131	6.03	20	
Surrogate: 4-Bromochlorobenzene-PID	7.90		8.00		98.8	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	B-13 Pipeline Release	Reported:
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	11/29/2022 3:39:14PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2249004-BLK1)

Prepared: 11/28/22 Analyzed: 11/28/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.16		8.00		89.5	70-130			

LCS (2249004-BS2)

Prepared: 11/28/22 Analyzed: 11/28/22

Gasoline Range Organics (C6-C10)	43.7	20.0	50.0		87.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.8	70-130			

Matrix Spike (2249004-MS2)

Source: E211148-02

Prepared: 11/28/22 Analyzed: 11/28/22

Gasoline Range Organics (C6-C10)	39.0	20.0	50.0	ND	78.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.77		8.00		97.1	70-130			

Matrix Spike Dup (2249004-MSD2)

Source: E211148-02

Prepared: 11/28/22 Analyzed: 11/28/22

Gasoline Range Organics (C6-C10)	44.6	20.0	50.0	ND	89.2	70-130	13.4	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.98		8.00		99.8	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	B-13 Pipeline Release	Reported:
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	11/29/2022 3:39:14PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2249005-BLK1)

Prepared: 11/28/22 Analyzed: 11/28/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.4		50.0		90.7	50-200			

LCS (2249005-BS1)

Prepared: 11/28/22 Analyzed: 11/28/22

Diesel Range Organics (C10-C28)	255	25.0	250		102	38-132			
Surrogate: n-Nonane	34.2		50.0		68.3	50-200			

Matrix Spike (2249005-MS1)

Source: E211151-02

Prepared: 11/28/22 Analyzed: 11/28/22

Diesel Range Organics (C10-C28)	251	25.0	250	ND	100	38-132			
Surrogate: n-Nonane	35.5		50.0		70.9	50-200			

Matrix Spike Dup (2249005-MSD1)

Source: E211151-02

Prepared: 11/28/22 Analyzed: 11/28/22

Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	38-132	0.676	20	
Surrogate: n-Nonane	36.7		50.0		73.4	50-200			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	B-13 Pipeline Release	Reported:
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	11/29/2022 3:39:14PM

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 (2249001-BLK1)					Prepared: 11/28/22 Analyzed: 11/28/22				
Chloride	ND	20.0							
LCS (2249001-BS1)					Prepared: 11/28/22 Analyzed: 11/28/22				
Chloride	247	20.0	250		98.9	90-110			
Matrix Spike (2249001-MS1)					Source: E211146-01		Prepared: 11/28/22 Analyzed: 11/28/22		
Chloride	250	20.0	250	ND	99.9	80-120			
Matrix Spike Dup (2249001-MSD1)					Source: E211146-01		Prepared: 11/28/22 Analyzed: 11/28/22		
Chloride	254	20.0	250	ND	102	80-120	1.82	20	



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	B-13 Pipeline Release	Reported:
201 S Halagueno St.	Project Number:	97057-0001	
Carlsbad NM, 88220	Project Manager:	Heather Woods	11/29/2022 3:39:14PM

Anions by EPA 300.0/9056A

Analyst:

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2249003-BLK1)					Prepared: 11/28/22 Analyzed: 11/28/22				
Chloride	ND	20.0							
LCS (2249003-BS1)					Prepared: 11/28/22 Analyzed: 11/29/22				
Chloride	267	20.0	250		107	90-110			
Matrix Spike (2249003-MS1)					Source: E211145-01		Prepared: 11/28/22 Analyzed: 11/28/22		
Chloride	8760	400	250	3700	NR	80-120			M2
Matrix Spike Dup (2249003-MSD1)					Source: E211145-01		Prepared: 11/28/22 Analyzed: 11/28/22		
Chloride	7690	400	250	3700	NR	80-120	12.9	20	M2

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 - Carlsbad	Project Name:	B-13 Pipeline Release	
201 S Halagueno St.	Project Number:	97057-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	11/29/22 15:39

- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- 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.



Chain of Custody

Project Information

Client: Snyder Miller Associates
 Project: P-13 pipeline release
 Project Manager: Heather Woods
 Address: 201 S. Hualapai
 City, State, Zip: Chisbourn, NM 88220
 Phone: _____
 Email: _____
 Report due by: _____

Bill To
 Attention: Enterprise
 Address: _____
 City, State, Zip: _____
 Phone: _____
 Email: _____
PO 325484

Lab Use Only

Lab WO# PE211148 Job Number 917057-0001

Analysis and Method

TAT		EPA Program		
1D	3D	RCRA	CWA	SDWA
State				
NM	CO	UT	AZ	
TX	OK			
Remarks				

Analysis and Method

DRO/DRO by 8015	GRO/DRO by 8015	BTX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BODOC - NM	BODOC - TX
						X	
						X	
						X	
						X	
						X	
						X	
						X	

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number
1232	11/21/22	Soil	1	B501@G'	1
1237	11/24/22	Soil	1	B502@G'	2
1238	11/21/22	Soil	1	SW1	3
1239	11/21/22	Soil	1	SW2	4
1240	11/21/22	Soil	1	SW3	5
1241	11/21/22	Soil	1	SW4	6

Additional Instructions:

please send report to Sarahmarg Schlea, Georgann Goodman & Heather Woods

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<u>[Signature]</u>	11/21/22	1315	<u>[Signature]</u>	11-22-22	1100
<u>[Signature]</u>	11-22-22	1600	<u>[Signature]</u>	11/23/22	11:00
<u>[Signature]</u>			<u>[Signature]</u>		

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 5 °C on subsequent days

Lab Use Only

Received on ice: Y N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

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

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

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: 11/28/2022 12:08:01PM

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 - Carlsbad	Date Received:	11/23/22 11:00	Work Order ID:	E211148
Phone:	(575) 200-5443	Date Logged In:	11/22/22 17:17	Logged In By:	Caitlin Christian
Email:		Due Date:	11/29/22 17:00 (2 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: UPSComments/ResolutionSample 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 Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

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 filtration 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.

Chain of Custody

envirotech

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 175475

CONDITIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 175475
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2230627956 B-13 LATERAL, thank you. This closure is approved.	4/14/2023