

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	

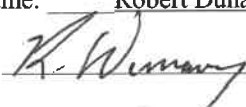
## Closure

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: 8/25/22  
email: rhunaway@eprod.com Telephone: 575-628-6802

Incident ID	<i>Page 2 of 54</i>
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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Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

Incident ID	NAPP2215229801
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.

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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: 8/25/22  
email: rhunaway@eprod.com Telephone: 575-628-6802

Incident ID	NAPP2215229801
District RP	
Facility ID	
Application ID	

**OCD Only**

Received by: Robert Hamlet Date: 11/29/2022

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: 11/29/2022

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced



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

August 25, 2022

#5E31002-BG13

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

SUBJECT: Remediation Closure Report for the B-6 360 Pipeline Release (nAPP2215229801), 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 oil and gas gathering activities at the B-6 360 Pipeline Release (nAPP2215229801). The release site is located in Unit M, Section 29, Township 20S, Range 27E, Eddy County, New Mexico, on public land administered by the Bureau of Land Management (BLM). 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 releases associated with the B-6 360 Pipeline Release (nAPP2215229801).**

**Table 1: Release Information and Closure Criteria**

Name	B-6 360	Company	Enterprise Field Services LLC
API Number	N/A	Location	32.539452, -104.310777
Incident Number	nAPP2215229801	Date Release Discovered	May 31, 2022
Land Status	Federal (BLM)	Reported To	NMOCD District II
Source of Release	Leak on a gathering pipeline		
Nature and Volume of Release	<1.0 bbl Condensate 165 Mcf Natural Gas	Volume Recovered	0 bbl Condensate 0 Mcf Natural Gas
NMOCD Closure Criteria	<50 feet		
SMA Response Dates	June 7 and 10, 2022		

## B-6 360 Release Closure Report August 25, 2022

Page 2 of 4

### **2.0 Background**

On May 31, 2022, a natural gas and condensate release was discovered at the B-6 360 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-6 360 Pipeline Release site is located approximately 8.5 miles northwest of Carlsbad, New Mexico on public land administered by the BLM land at an elevation of approximately 3,206 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). Thus, depth to groundwater is considered to be less than 50 feet below grade surface (bgs) for Closure Criteria determinations.

#### **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. Registered wells in the vicinity are shown on Figure 1.

#### **Distance to Nearest Significant Watercourse**

The nearest significant watercourse is a tributary to Dagger Draw, located approximately 380 feet to the north.

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.

### **4.0 Release Characterization and Remediation Activities**

On June 10, 2022, following pipeline repair and excavation activities, SMA personnel performed closure confirmation sampling. A copy of the confirmation sampling notification is included in Appendix A.

Eight (8) 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 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 chloride using an electrical conductivity (EC) meter and for hydrocarbon impacts using a calibrated MiniRAE 3000 photoionization detector (PID) equipped with a 10.6 eV lamp. Field notes are included in Appendix D.

The main remediation excavation measured approximately 16 feet by 8.5 feet with depths ranging from 8 to 9 feet. The adjacent surface remediation area measured approximately 39 feet by 15 feet with a maximum depth of 0.5 feet.

**B-6 360 Release Closure Report**  
**August 25, 2022**

Page 3 of 4

Excavation extents and closure confirmation sample locations are depicted on 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 NAPP2215229801.

**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:



Sarahmay Schlea  
Staff Scientist



Heather M. Woods, P.G.  
Project Geoscientist



**B-6 360 Release Closure Report**  
**August 25, 2022**

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/](https://gis.ose.state.nm.us/gisapps/ose_pod_locations/); accessed 8/24/2022

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](https://nwis.waterdata.usgs.gov/nwis/gwlevels?site_no=321205103544701&agency_cd=USGS&format=html); accessed 8/24/2022

**ATTACHMENTS:**

**Figures:**

Figure 1: Site Map  
Figure 2: Surface Water Protection 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

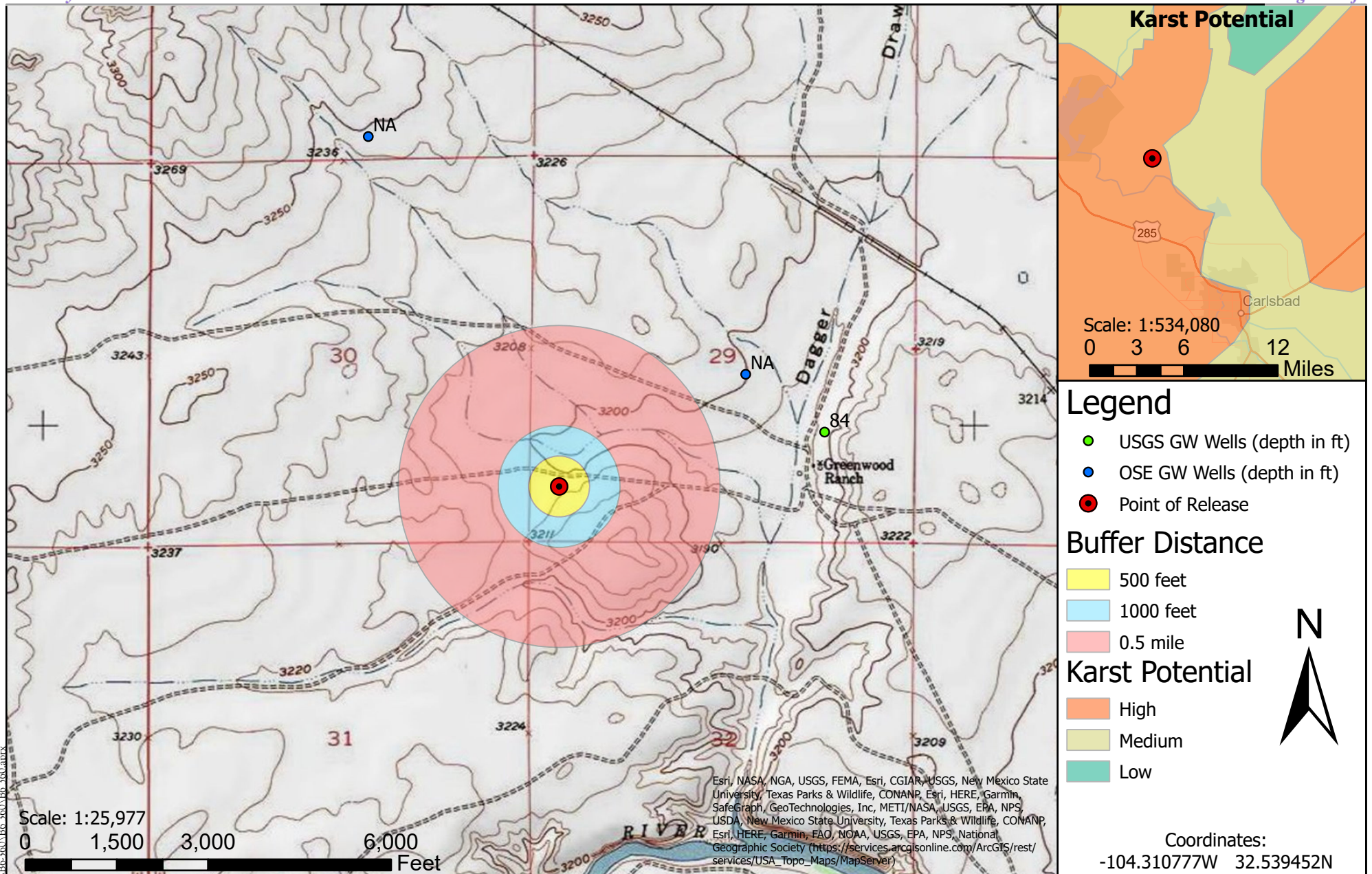


Figure 1

Revisions

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

Drawn  
Date  
Checked  
Approved

Sarahmay Schlea  
8/22/2022



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

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## 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: 1:13,854



Coordinates:  
 -104.310777W 32.539452N

Aerial Site Map  
 B-6 360 - Enterprise Field Services LLC  
 S: 29 T: 20S R: 27E, Eddy County, New Mexico

Figure 2

### Revisions

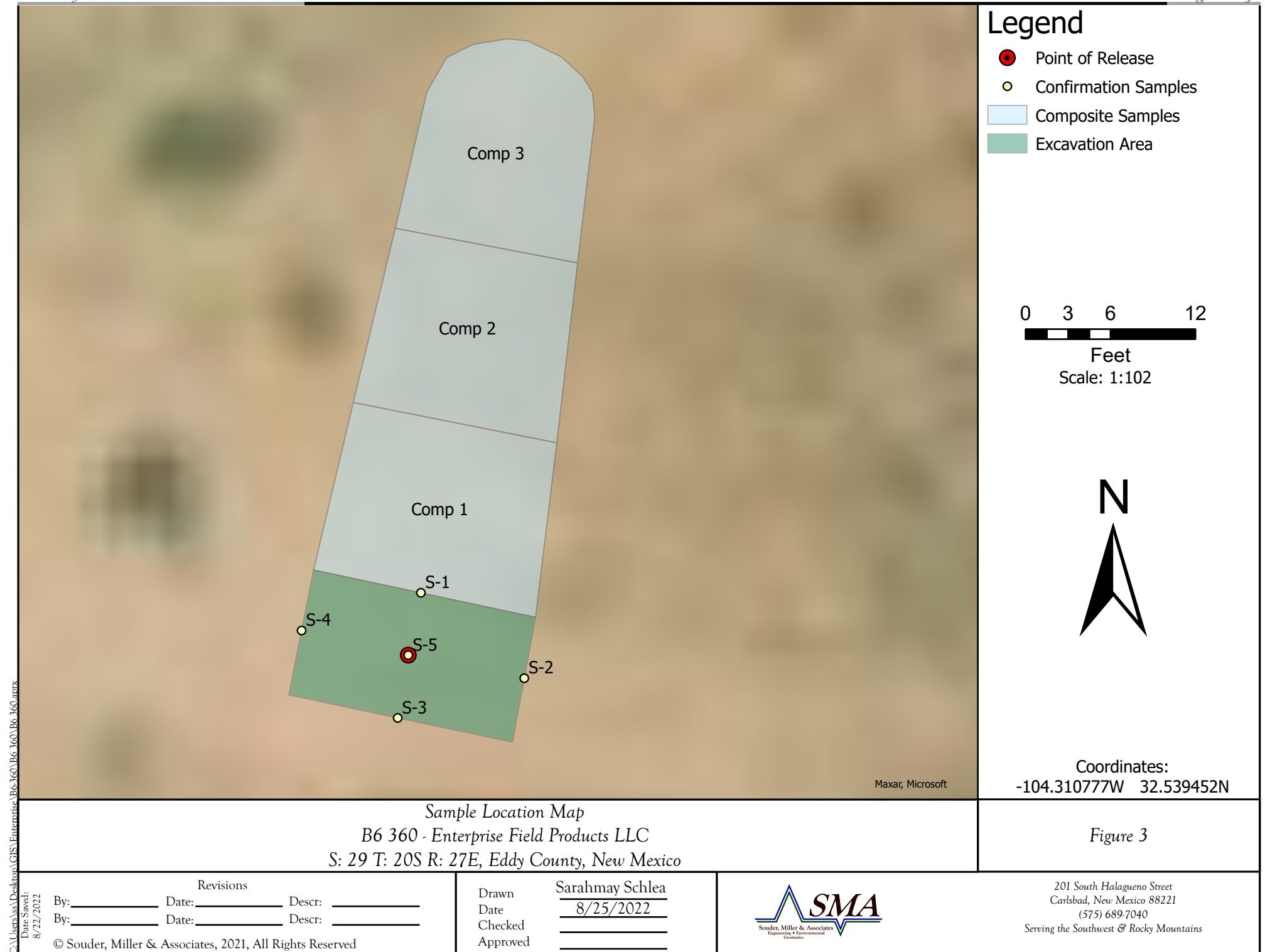
By: _____	Date: _____	Descr: _____
By: _____	Date: _____	Descr: _____

Drawn	Sarahmay Schlea
Date	6/24/2022
Checked	_____
Approved	_____



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# TABLES

Table 2:  
NMOCD Closure Criteria

Enterprise Field Services LLC  
B-6 360 Pipeline Release

Site Information (19.15.29.11.A(2, 3, and 4) NMAC)		Source/Notes
Depth to Groundwater (feet bgs)	<50	United States Geological Survey
Horizontal Distance From All Water Sources Within 1/2 Mile (ft)	NA	New Mexico Office of the State Engineer
Horizontal Distance to Nearest Significant Watercourse (ft)	380	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	X	600	100		50	10
51' to 100'		10000	2500	1000	50	10
>100'		20000	2500	1000	50	10
Surface Water	yes or no	if yes, then				
<300' from continuously flowing watercourse or other significant watercourse?	No	600	100		50	10
<200' from lakebed, sinkhole or playa lake?	No					
Water Well or Water Source						
<500 feet from spring or a private, domestic fresh water well used by less than 5 households for domestic or stock watering purposes?	No					
<1000' from fresh water well or spring?	No					
Human and Other Areas						
<300' from an occupied permanent residence, school, hospital, institution or church?	No					
within incorporated municipal boundaries or within a defined municipal fresh water well field?	No					
<100' from wetland?	No					
within area overlying a subsurface mine	No					
within an unstable area?	No					
within a 100-year floodplain?	No					



Table 3:  
Summary of Laboratory Analytical Results

Enterprise Field Services LLC  
B-6 360 Pipeline Release

Sample ID	Sample Date	Depth of Sample (feet bgs)	Method 8021B		Method 8015D				Method 300.0
			Benzene	BTEX	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			100	600
S-1	6/10/2022	0 to 8	<0.0250	<0.100	<20.0	<25.0	<50.0	<95.0	52.3
S-2	6/10/2022	0 to 9	<0.0250	<0.100	<20.0	<25.0	<50.0	<95.0	94.5
S-3	6/10/2022	0 to 9	<0.0250	<0.100	<20.0	<25.0	<50.0	<95.0	<20.0
S-4	6/10/2022	0 to 9	<0.0250	<0.100	<20.0	<25.0	<50.0	<95.0	<20.0
S-5	6/10/2022	8 to 9	<0.0250	<0.100	<20.0	<25.0	<50.0	<95.0	<20.0
Comp 1	6/10/2022	0 to 0.5	<0.0250	<0.100	<20.0	<25.0	<50.0	<95.0	<20.0
Comp 2	6/10/2022	0 to 0.5	<0.0250	<0.100	<20.0	<25.0	<50.0	<95.0	<20.0
Comp 3	6/10/2022	0 to 0.5	<0.0250	<0.100	<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  
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

District I  
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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  
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Santa Fe, NM 87505

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

Incident ID	NAPP2215229801
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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)	nAPP2215229801
Contact mailing address	PO Box 4324, Houston, TX 77210		

### Location of Release Source

Latitude 32.539452 Longitude -104.310777  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	B-6 360	Site Type	Gathering Pipeline
Date Release Discovered	05/31/2022	API# (if applicable)	

Unit Letter	Section	Township	Range	County
M	29	20S	27E	Eddy

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)

<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) 1	Volume Recovered (bbls) -0-
<input checked="" type="checkbox"/> Natural Gas	Volume Released (Mcf) 165	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.

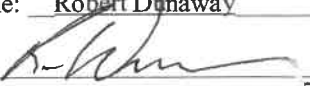
## Oil Conservation Division

Incident ID	NAPP2215229801
District RP	
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Was this a major release as defined by 19.15.29.7(A) NMAC?  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?  
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?  	

**Initial Response**

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

<input checked="" type="checkbox"/> The source of the release has been stopped.	
<input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:  	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Robert Dunaway</u>	Title: <u>Senior Environmental Engineer</u>
Signature: <u></u>	Date: <u>6/1/22</u>
email: <u>rhunaway@eprod.com</u>	Telephone: <u>575-628-6802</u>
<b>OCD Only</b>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>06/01/2022</u>

Enter data in shaded fields to calculate gas volume

Hours of leak	1	
Diameter of hole (inches)	0.025	
Line Pressure at Leak	744	Hourly B
<b>Volume of Gas Leaked</b>	<b>0.47</b>	0.4

Calculations:

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

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

Footage of Pipe blowdown	13,992	
Initial line pressure	744	
Diameter of Pipe (inches)	6	
<b>Volume of Gas Blown Down</b>	<b>164.29068</b>	MSCF

Calculations:

**District I**

1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**

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**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 112558

**CONDITIONS**

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 112558
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
jharimon	None	6/1/2022

## Heather Woods

---

**From:** Heather Woods  
**Sent:** Tuesday, June 7, 2022 11:49 AM  
**To:** ocd.enviro@state.nm.us  
**Cc:** Ashley Maxwell; Dunaway, Robert  
**Subject:** Confirmation Sampling Notification - nAPP2215229801 Enterprise B6 360

Good Afternoon,

Souder, Miller and Associates will be on location Friday, June 10th, 2022, beginning at 7:30am to conduct confirmation sampling at the Enterprise B6 360 (nAPP2215229801) release site located at 32.539452, -104.310777. Please contact me with any questions.



Heather Woods, P.G.

*Project Geoscientist*

Personal Registrations: UT Professional Geologist

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 PST CAPM (CS-0000051), TX Surveying Firm ([10162200](#)), WY Engineering/Surveying Firm (S-1704)

## Souder, Miller & Associates

Engineering  Environmental  Geomatics

[401 West Broadway](#)

[Farmington, NM 87401](#)

[\(505\) 716-2787](#) (mobile)

[\(505\) 325-7535](#) (office)

[www.soudermiller.com](http://www.soudermiller.com)

# APPENDIX B

## WATER WELL DATA





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

## National Water Information System: Web Interface

USGS Water Resources

Data Category:


Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- Attention current WaterAlert users: NextGen WaterAlert is replacing Legacy WaterAlert. You must take action before 9/30/2022 to retain your alerts. [Read more.](#)
- [Full News](#) 

Groundwater levels for the Nation

 Important: [Next Generation Monitoring Location Page](#)

### Search Results -- 1 sites found

Agency code = usgs

site\_no list =

- 323229104175401

Minimum number of levels = 1

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

### USGS 323229104175401 20S.27E.29.441131

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°32'29", Longitude 104°17'54" NAD27

Land-surface elevation 3,199 feet above NAVD88

The depth of the well is 125 feet below land surface.

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

This well is completed in the Rustler Formation (312RSLR) local aquifer.

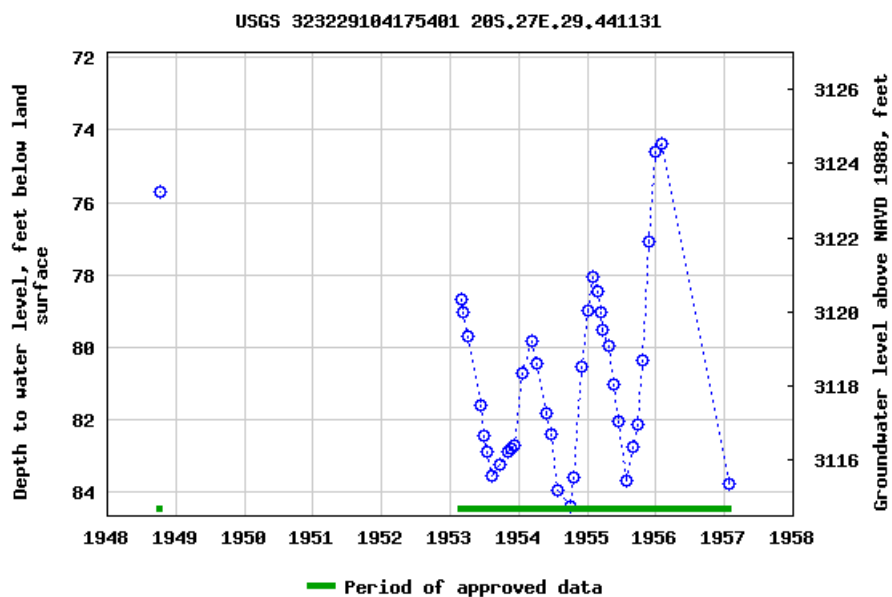
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Breaks in the plot represent a gap of at least one year between field measurements.

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**Title: Groundwater for USA: Water Levels**

**URL: [https://nwis.waterdata.usgs.gov/nwis/gwlevels?](https://nwis.waterdata.usgs.gov/nwis/gwlevels?site_no=323229104175401&agency_cd=USGS&format=gif)**

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

Page Last Modified: 2022-08-24 19:47:50 EDT

0.53 0.47 nadww01



# 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 Inc. laboratory in Farmington, New Mexico for analysis. A total of eight 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.

## Sampling Analysis Field Quality Assurance Procedures

A unique sample numbering was used to identify each sample collected and designated for on-site field screening 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



## Field Screening

Location Name: Enterprise Blc 360

Date: June 7, 2022

Sample Name:	Collection Time:	EC (mS)	Temp (°C)	PID Reading /PF	Soil Color	Primary Soil Type	Moisture Level	Other Remarks/Notes:	
Base - west - south	1054	0.26	27.8	236.1	Light Tan Gray Yellow	Dark Brown Olive Red	Gravel <Rock> Sand Silt Clay	Dry Moist Wet	37 TPH (7)
Base - west - north	1130			83.0	Light Tan Gray Yellow	Dark Brown Olive Red	Gravel <Rock> Sand Silt Clay	Dry Moist Wet	
Base - east - north	1240			231.0	Light Tan Gray Yellow	Dark Brown Olive Red	Gravel <Rock> Sand Silt Clay	Dry Moist Wet	44 TPH
Base - east - south	1254			164.0	Light Tan Gray Yellow	Dark Brown Olive Red	Gravel <Rock> Sand Silt Clay	Dry Moist Wet	
South wall	1360			83.1	Light Tan Gray Yellow	Dark Brown Olive Red	Gravel <Rock> Sand Silt Clay	Dry Moist Wet	
					Light Tan Gray Yellow	Dark Brown Olive Red	Gravel <Rock> Sand Silt Clay	Dry Moist Wet	
					Light Tan Gray Yellow	Dark Brown Olive Red	Gravel <Rock> Sand Silt Clay	Dry Moist Wet	
					Light Tan Gray Yellow	Dark Brown Olive Red	Gravel <Rock> Sand Silt Clay	Dry Moist Wet	
					Light Tan Gray Yellow	Dark Brown Olive Red	Gravel <Rock> Sand Silt Clay	Dry Moist Wet	



## Field Screening

Location Name: Enterprise Ble 360

Date: 6/10/22

Sample Name:	Collection Time:	EC (mS)	Temp (°C)	PID Reading /PF	Soil Color	Primary Soil Type	Moisture Level	Other Remarks/Notes:	
Base	0824				Light Tan Gray Yellow	Dark Brown Olive Red	Gravel Sand Rock Silt Clay	Dry Moist Wet	S-5
North Wall	0810				Light Tan Gray Yellow	Dark Brown Olive Red	Gravel Sand Rock Silt Clay	Dry Moist Wet	S-1
South Wall	0817				Light Tan Gray Yellow	Dark Brown Olive Red	Gravel Sand Rock Silt Clay	Dry Moist Wet	S-3
West wall	0820				Light Tan Gray Yellow	Dark Brown Olive Red	Gravel Sand Rock Silt Clay	Dry Moist Wet	S-4
East Wall	0813				Light Tan Gray Yellow	Dark Brown Olive Red	Gravel Sand Rock Silt Clay	Dry Moist Wet	S-2
Comp 1	0830				Light Tan Gray Yellow	Dark Brown Olive Red	Gravel Sand Rock Silt Clay	Dry Moist Wet	Comp 1
Comp 2	0832				Light Tan Gray Yellow	Dark Brown Olive Red	Gravel Sand Rock Silt Clay	Dry Moist Wet	Comp 2
Comp 3	0834				Light Tan Gray Yellow	Dark Brown Olive Red	Gravel Sand Rock Silt Clay	Dry Moist Wet	Comp 3
					Light Tan Gray Yellow	Dark Brown Olive Red	Gravel Sand Rock Silt Clay	Dry Moist Wet	



**Photograph Log**  
**B-6 360 Pipeline Release**  
**Enterprise Field Services**



Photograph #1	
Client: Enterprise Field Services	
Site Name:  B-6 360 Pipeline Release	
Date Photo Taken: June 10, 2022	
Release Location: N32.539452, W104.310777  M-S29-T20S-R27E Eddy County, New Mexico	
Photo Taken by: Heather Woods	Description: Facing southeast, view of the shallow surface excavation in the foreground and pipeline repair excavation in the background.

**Photograph Log**  
**B-6 360 Pipeline Release**  
**Enterprise Field Services**



Photograph #2	
Client: Enterprise Field Services	
Site Name:  B6 360	
Date Photo Taken: June 10, 2022	
Release Location: N32.539452, W104.310777  M-S29-T20S-R27E Eddy County, New Mexico	
Photo Taken by: Heather Woods	Description: Facing southwest, view of the shallow surface excavation in the foreground and pipeline repair excavation in the background.



**Photograph Log**  
**B-6 360 Pipeline Release**  
**Enterprise Field Services**



Photograph #3	
Client: Enterprise Field Services	
Site Name:  B6 360	
Date Photo Taken: June 10, 2022	
Release Location: N32.539452, W104.310777  M-S29-T20S-R27E Eddy County, New Mexico	
Photo Taken by: Heather Woods	Description: Facing east, view of the pipeline excavation.

**Photograph Log**  
**B-6 360 Pipeline Release**  
**Enterprise Field Services**



Photograph #4	
Client: Enterprise Field Services	
Site Name:  B6 360	
Date Photo Taken: June 10, 2022	
Release Location: N32.539452, W104.310777  M-S29-T20S-R27E Eddy County, New Mexico	
Photo Taken by: Heather Woods	Description: Facing west, view of the pipeline excavation.

# APPENDIX E

## LABORATORY ANALYTICAL REPORT



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 - Carlsbad

Project Name: Enterprise B6 360

Work Order: E206140

Job Number: 97057-0352

Received: 6/17/2022

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
6/27/22

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: 6/27/22

Ashley Maxwell  
201 S Halagueno St.  
Carlsbad, NM 88220



Project Name: Enterprise B6 360  
Workorder: E206140  
Date Received: 6/17/2022 3:15:00PM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/17/2022 3:15:00PM, under the Project Name: Enterprise B6 360.

The analytical test results summarized in this report with the Project Name: Enterprise B6 360 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  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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Sample Custody Officer  
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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](http://www.envirotech-inc.com)



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## Sample Summary

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Enterprise B6 360 Project Number: 97057-0352 Project Manager: Ashley Maxwell	Reported: 06/27/22 12:59
--	--	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S-1	E206140-01A	Soil	06/10/22	06/17/22	Glass Jar, 4 oz.
S-2	E206140-02A	Soil	06/10/22	06/17/22	Glass Jar, 4 oz.
S-3	E206140-03A	Soil	06/10/22	06/17/22	Glass Jar, 4 oz.
S-4	E206140-04A	Soil	06/10/22	06/17/22	Glass Jar, 4 oz.
S-5	E206140-05A	Soil	06/10/22	06/17/22	Glass Jar, 4 oz.
Comp 1	E206140-06A	Soil	06/10/22	06/17/22	Glass Jar, 4 oz.
Comp 2	E206140-07A	Soil	06/10/22	06/17/22	Glass Jar, 4 oz.
Comp 3	E206140-08A	Soil	06/10/22	06/17/22	Glass Jar, 4 oz.



## Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Enterprise B6 360	
201 S Halagueno St.	Project Number:	97057-0352	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	6/27/2022 12:59:08PM

## S-1

## E206140-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY			Batch: 2226039
Benzene	ND	0.0250	1	06/21/22	06/23/22	
Ethylbenzene	ND	0.0250	1	06/21/22	06/23/22	
Toluene	ND	0.0250	1	06/21/22	06/23/22	
o-Xylene	ND	0.0250	1	06/21/22	06/23/22	
p,m-Xylene	ND	0.0500	1	06/21/22	06/23/22	
Total Xylenes	ND	0.0250	1	06/21/22	06/23/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	90.0 %	70-130		06/21/22	06/23/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY			Batch: 2226039
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/22	06/23/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	88.7 %	70-130		06/21/22	06/23/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL			Batch: 2226083
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/22	06/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/22	06/24/22	
<i>Surrogate: n-Nonane</i>	112 %	50-200		06/23/22	06/24/22	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: KL			Batch: 2226034
Chloride	52.3	20.0	1	06/21/22	06/24/22	



## Sample Data

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

Project Name: Enterprise B6 360  
Project Number: 97057-0352  
Project Manager: Ashley Maxwell

**Reported:**  
6/27/2022 12:59:08PM

S-2

E206140-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2226039	
Benzene	ND	0.0250	1	06/21/22	06/23/22	
Ethylbenzene	ND	0.0250	1	06/21/22	06/23/22	
Toluene	ND	0.0250	1	06/21/22	06/23/22	
o-Xylene	ND	0.0250	1	06/21/22	06/23/22	
p,m-Xylene	ND	0.0500	1	06/21/22	06/23/22	
Total Xylenes	ND	0.0250	1	06/21/22	06/23/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.3 %	70-130		06/21/22	06/23/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2226039	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/22	06/23/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.5 %	70-130		06/21/22	06/23/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2226083	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/22	06/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/22	06/24/22	
<i>Surrogate: n-Nonane</i>						
	114 %	50-200		06/23/22	06/24/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: KL		Batch: 2226034	
Chloride	94.5	20.0	1	06/21/22	06/25/22	



## Sample Data

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

Project Name: Enterprise B6 360  
Project Number: 97057-0352  
Project Manager: Ashley Maxwell

**Reported:**  
6/27/2022 12:59:08PM

S-3

E206140-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2226039	
Benzene	ND	0.0250	1	06/21/22	06/24/22	
Ethylbenzene	ND	0.0250	1	06/21/22	06/24/22	
Toluene	ND	0.0250	1	06/21/22	06/24/22	
o-Xylene	ND	0.0250	1	06/21/22	06/24/22	
p,m-Xylene	ND	0.0500	1	06/21/22	06/24/22	
Total Xylenes	ND	0.0250	1	06/21/22	06/24/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.6 %	70-130		06/21/22	06/24/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2226039	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/22	06/24/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.1 %	70-130		06/21/22	06/24/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2226083	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/22	06/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/22	06/24/22	
<i>Surrogate: n-Nonane</i>						
	112 %	50-200		06/23/22	06/24/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: KL		Batch: 2226034	
Chloride	ND	20.0	1	06/21/22	06/25/22	





## Sample Data

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

Project Name: Enterprise B6 360  
Project Number: 97057-0352  
Project Manager: Ashley Maxwell

**Reported:**  
6/27/2022 12:59:08PM

S-4

E206140-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2226039	
Benzene	ND	0.0250	1	06/21/22	06/24/22	
Ethylbenzene	ND	0.0250	1	06/21/22	06/24/22	
Toluene	ND	0.0250	1	06/21/22	06/24/22	
o-Xylene	ND	0.0250	1	06/21/22	06/24/22	
p,m-Xylene	ND	0.0500	1	06/21/22	06/24/22	
Total Xylenes	ND	0.0250	1	06/21/22	06/24/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.1 %	70-130		06/21/22	06/24/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2226039	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/22	06/24/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.4 %	70-130		06/21/22	06/24/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2226083	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/22	06/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/22	06/24/22	
<i>Surrogate: n-Nonane</i>						
	115 %	50-200		06/23/22	06/24/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: KL		Batch: 2226034	
Chloride	ND	20.0	1	06/21/22	06/25/22	



## Sample Data

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

Project Name: Enterprise B6 360  
Project Number: 97057-0352  
Project Manager: Ashley Maxwell

**Reported:**  
6/27/2022 12:59:08PM

S-5

E206140-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2226039	
Benzene	ND	0.0250	1	06/21/22	06/24/22	
Ethylbenzene	ND	0.0250	1	06/21/22	06/24/22	
Toluene	ND	0.0250	1	06/21/22	06/24/22	
o-Xylene	ND	0.0250	1	06/21/22	06/24/22	
p,m-Xylene	ND	0.0500	1	06/21/22	06/24/22	
Total Xylenes	ND	0.0250	1	06/21/22	06/24/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.4 %	70-130		06/21/22	06/24/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2226039	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/22	06/24/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.1 %	70-130		06/21/22	06/24/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2226083	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/22	06/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/22	06/24/22	
<i>Surrogate: n-Nonane</i>						
	123 %	50-200		06/23/22	06/24/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: KL		Batch: 2226034	
Chloride	ND	20.0	1	06/21/22	06/25/22	



## Sample Data

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

Project Name: Enterprise B6 360  
Project Number: 97057-0352  
Project Manager: Ashley Maxwell

**Reported:**  
6/27/2022 12:59:08PM

## Comp 1

E206140-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2226039
Benzene	ND	0.0250	1	06/21/22	06/24/22	
Ethylbenzene	ND	0.0250	1	06/21/22	06/24/22	
Toluene	ND	0.0250	1	06/21/22	06/24/22	
o-Xylene	ND	0.0250	1	06/21/22	06/24/22	
p,m-Xylene	ND	0.0500	1	06/21/22	06/24/22	
Total Xylenes	ND	0.0250	1	06/21/22	06/24/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		92.5 %	70-130	06/21/22	06/24/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2226039
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/22	06/24/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.2 %	70-130	06/21/22	06/24/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2226083
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/22	06/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/22	06/24/22	
<i>Surrogate: n-Nonane</i>						
		105 %	50-200	06/23/22	06/24/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2226034
Chloride	ND	20.0	1	06/21/22	06/25/22	



## Sample Data

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

Project Name: Enterprise B6 360  
Project Number: 97057-0352  
Project Manager: Ashley Maxwell

**Reported:**  
6/27/2022 12:59:08PM

## Comp 2

E206140-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2226039	
Benzene	ND	0.0250	1	06/21/22	06/24/22	
Ethylbenzene	ND	0.0250	1	06/21/22	06/24/22	
Toluene	ND	0.0250	1	06/21/22	06/24/22	
o-Xylene	ND	0.0250	1	06/21/22	06/24/22	
p,m-Xylene	ND	0.0500	1	06/21/22	06/24/22	
Total Xylenes	ND	0.0250	1	06/21/22	06/24/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.0 %	70-130		06/21/22	06/24/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2226039	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/22	06/24/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.5 %	70-130		06/21/22	06/24/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2226083	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/22	06/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/22	06/24/22	
<i>Surrogate: n-Nonane</i>						
	128 %	50-200		06/23/22	06/24/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: KL		Batch: 2226034	
Chloride	ND	20.0	1	06/21/22	06/25/22	



## Sample Data

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

Project Name: Enterprise B6 360  
Project Number: 97057-0352  
Project Manager: Ashley Maxwell

**Reported:**  
6/27/2022 12:59:08PM

## Comp 3

E206140-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2226039
Benzene	ND	0.0250	1	06/21/22	06/24/22	
Ethylbenzene	ND	0.0250	1	06/21/22	06/24/22	
Toluene	ND	0.0250	1	06/21/22	06/24/22	
o-Xylene	ND	0.0250	1	06/21/22	06/24/22	
p,m-Xylene	ND	0.0500	1	06/21/22	06/24/22	
Total Xylenes	ND	0.0250	1	06/21/22	06/24/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		92.7 %	70-130	06/21/22	06/24/22	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2226039
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/22	06/24/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.4 %	70-130	06/21/22	06/24/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2226083
Diesel Range Organics (C10-C28)	ND	25.0	1	06/23/22	06/24/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/23/22	06/24/22	
<i>Surrogate: n-Nonane</i>						
		117 %	50-200	06/23/22	06/24/22	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: KL		Batch: 2226034
Chloride	ND	20.0	1	06/21/22	06/25/22	





## QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Enterprise B6 360	<b>Reported:</b>  6/27/2022 12:59:08PM
201 S Halagueno St.	Project Number:	97057-0352	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

## Volatile Organics by EPA 8021B

Analyst: IY

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 (2226039-BLK1)

Prepared: 06/21/22 Analyzed: 06/23/22

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	7.16		8.00		89.5	70-130			

## LCS (2226039-BS1)

Prepared: 06/21/22 Analyzed: 06/23/22

Benzene	5.03	0.0250	5.00		101	70-130			
Ethylbenzene	4.56	0.0250	5.00		91.2	70-130			
Toluene	4.84	0.0250	5.00		96.8	70-130			
o-Xylene	4.72	0.0250	5.00		94.4	70-130			
p,m-Xylene	9.39	0.0500	10.0		93.9	70-130			
Total Xylenes	14.1	0.0250	15.0		94.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.28		8.00		91.0	70-130			

## LCS Dup (2226039-BS1)

Prepared: 06/21/22 Analyzed: 06/23/22

Benzene	5.13	0.0250	5.00		103	70-130	2.07	20	
Ethylbenzene	4.66	0.0250	5.00		93.1	70-130	2.14	20	
Toluene	4.95	0.0250	5.00		98.9	70-130	2.19	20	
o-Xylene	4.82	0.0250	5.00		96.5	70-130	2.18	20	
p,m-Xylene	9.60	0.0500	10.0		96.0	70-130	2.19	20	
Total Xylenes	14.4	0.0250	15.0		96.2	70-130	2.18	20	
Surrogate: 4-Bromochlorobenzene-PID	7.26		8.00		90.8	70-130			



## QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Enterprise B6 360	<b>Reported:</b>
201 S Halagueno St.	Project Number:	97057-0352	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	6/27/2022 12:59:08PM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

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 (2226039-BLK1)

Prepared: 06/21/22 Analyzed: 06/23/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.10		8.00		88.8	70-130			

## LCS (2226039-BS2)

Prepared: 06/21/22 Analyzed: 06/23/22

Gasoline Range Organics (C6-C10)	46.3	20.0	50.0		92.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.21		8.00		90.2	70-130			

## LCS Dup (2226039-BSD2)

Prepared: 06/21/22 Analyzed: 06/23/22

Gasoline Range Organics (C6-C10)	46.2	20.0	50.0		92.4	70-130	0.0930	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.26		8.00		90.7	70-130			



## QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Enterprise B6 360	<b>Reported:</b>
201 S Halagueno St.	Project Number:	97057-0352	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	6/27/2022 12:59:08PM

## 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 (2226083-BLK1)

Prepared: 06/23/22 Analyzed: 06/24/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.5		50.0		94.9	50-200			

## LCS (2226083-BS1)

Prepared: 06/23/22 Analyzed: 06/24/22

Diesel Range Organics (C10-C28)	505	25.0	500		101	38-132			
Surrogate: n-Nonane	50.2		50.0		100	50-200			

## Matrix Spike (2226083-MS1)

Source: E206137-04

Prepared: 06/23/22 Analyzed: 06/24/22

Diesel Range Organics (C10-C28)	5860	500	500	4690	235	38-132			M4
Surrogate: n-Nonane	76.6		50.0		153	50-200			

## Matrix Spike Dup (2226083-MSD1)

Source: E206137-04

Prepared: 06/23/22 Analyzed: 06/24/22

Diesel Range Organics (C10-C28)	5310	500	500	4690	123	38-132	9.99	20	
Surrogate: n-Nonane	74.6		50.0		149	50-200			



## QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Enterprise B6 360	<b>Reported:</b>
201 S Halagueno St.	Project Number:	97057-0352	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	6/27/2022 12:59:08PM

## Anions by EPA 300.0/9056A

Analyst: KL

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 (2226034-BLK1)

Prepared: 06/21/22 Analyzed: 06/24/22

Chloride	ND	20.0
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## LCS (2226034-BS1)

Prepared: 06/21/22 Analyzed: 06/24/22

Chloride	245	20.0	250	98.1	90-110
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## Matrix Spike (2226034-MS1)

Source: E206139-01

Prepared: 06/21/22 Analyzed: 06/24/22

Chloride	806	20.0	250	649	62.6	80-120	M2
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## Matrix Spike Dup (2226034-MSD1)

Source: E206139-01

Prepared: 06/21/22 Analyzed: 06/24/22

Chloride	859	20.0	250	649	84.0	80-120	6.41	20
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## 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:	Enterprise B6 360	
201 S Halagueno St.	Project Number:	97057-0352	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	06/27/22 12:59

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. 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

envirotech

## Envirotech Analytical Laboratory

Printed: 6/17/2022 3:57:12PM

## 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:	06/17/22 15:15	Work Order ID:	E206140
Phone:	(505) 325-7535	Date Logged In:	06/17/22 15:24	Logged In By:	Caitlin Christian
Email:	ashley.maxwell@soudermiller.com	Due Date:	06/24/22 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
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: Heather WoodsComments/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.

**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 138020

**CONDITIONS**

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 138020
	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 #NAPP2215229801 B-6 360, thank you. This closure is approved.	11/29/2022