

Incident ID	nAPP2226942465
District RP	
Facility ID	
Application ID	

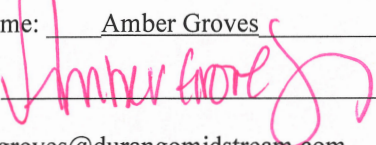
Closure

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: Amber Groves Title: Senior Environmental Specialist
Signature:  Date: 1/17/2023
email: agroves@durangomidstream.com Telephone: 575-703-7992

OCD Only

Received by: Jocelyn Harimon Date: 01/31/2023

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: 5/23/2023
Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

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Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	40 ____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

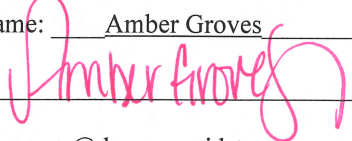
Characterization Report Checklist: *Each of the following items must be included in the report.*

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

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

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Printed Name: Amber Groves Title: Senior Environmental Specialist
Signature:  Date: 1/17/2023
email: agroves@durangomidstream.com Telephone: (575)703-7992

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Received by: Jocelyn Harimon Date: 01/31/2023

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Remediation Plan

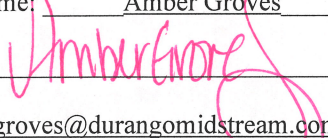
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

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

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

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

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Signature:  Date: 1/17/2023
email: agroves@durangomidstream.com Telephone: (575)703-7992

OCD Only

Received by: Jocelyn Harimon Date: 01/31/2023

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

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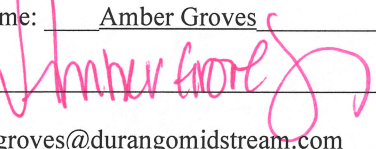
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Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



4518 W. Pierce Street
Carlsbad, NM 88220
P (575) 689-4020

[Terracon.com](https://terracon.com)

January 24, 2023

Attn: New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico, NM 87505

Re: Closure Documentation
NMOCD Reference No. nAPP2226942465
8" Fadeaway to Southern Union
NW ¼ of NW ¼ Section 34, Township 17 South, Range 27 East
32.79622°, -104.27278°
Eddy County, New Mexico
Terracon Project No. KH227022

To Whom It May Concern:

On September 22, 2022, Frontier Field Services (Durango) personnel discovered that suspected internal corrosion in the pipeline resulted in a release of approximately 128.84 Mcf (1,000 cubic feet) of Natural Gas. Surface ownership is held by the Bureau of Land Management (BLM). Since the release was greater than 50 Mcf but less than 500 Mcf, the New Mexico Oil Conservation District (NMOCD) was notified of the release and the C-141 was filed on September 26, 2022, and designated NMOCD Reference No. nAP2226942465 (Exhibits 1 and 2).

Regulatory Criteria

The nearest groundwater well (POD 04561) data was obtained from the New Mexico Office of the State Engineer (NMOSE) website and indicated that a water well is located 1.89 miles northeast of the site (Exhibit 4). This groundwater well was completed to a depth of 250 feet below ground surface (bgs) in 1962, the depth to water is unknown or not reported. Review of the U.S. Fish and Wildlife Service, National Wetlands Inventory website indicates that the presence of wetlands does not exist within a half mile of the site (Exhibit 5). Review of geospatial data obtained from the BLM Carlsbad Field Office website indicated that the site is within an area of high risk for karst formations, as seen in the Karst Map Exhibit 6. Per New Mexico Administrative Code (NMAC) 19.15.29.12, remediation and closure criteria for a depth to groundwater of <50 feet below grade surface (bgs) was utilized for this release.

Remedial Activities

On November 29, 2022, Terracon mobilized to the site to meet Gandy Corporation (Gandy) personnel, who were to perform soil remediation activities. Areas exhibiting visual impact were excavated to a depth of approximately 5 feet bgs on each side of the pipeline. A total of 6 composite soil samples (N-SW, E-SW, S-SW, W-SW, FS-01, and FS-02) were collected at 200 square foot intervals from the excavation, placed in laboratory provided sample

Explore with us

Closure Documentation

8" Fadeaway to Southern Union Site | Eddy County, New Mexico

January 24, 2023 | Terracon Project No. KH227022



containers, preserved with ice, and transported under chain of custody to Cardinal Laboratories in Hobbs, New Mexico for analysis of benzene, toluene, ethylbenzene, and total xylenes (collectively known as BTEX), total petroleum hydrocarbons (TPH), and chlorides.

In total, 240 cubic yards of soil were excavated during remedial activities. Excavated material was stockpiled on-site atop a polyethylene liner pending waste characterization and disposal under an approved Form C-138. Excavated materials were disposed of at Lea Land Landfill. Soil disposal waste manifests are available upon request.

See Exhibit 3 for a depiction of the excavation extent and composite sample locations. Photographs of the project site are also included in the attachments to this report.

Analytical Results

Soil samples N-SW, E-SW, S-SW, W-SW, FS-01, and FS-02 collected on November 29, 2022, did not exhibit concentrations of BTEX or TPH above laboratory sample detection limits (SDLs).

A total of three soil samples collected on November 29, 2022, exhibited concentrations of chloride above SDLs but below NMOCD RALs. Detected concentrations of chloride ranged from 32 milligrams per kilogram (mg/kg) in samples N-SW and S-SW to 64 mg/kg in E-SW.

A summary of BTEX, chloride, and TPH concentrations of all collected soil samples is attached as Table 1.

Conclusion

In accordance with NMAC 19.15.29.12, remediation of the impacted material is complete, and Frontier Field Services respectfully requests closure of incident nAP2226942465 that occurred on September 22, 2022, at the 8" Fadeaway to Southern Union site location.

Should you have any questions, please contact the undersigned at (970) 658 4388.

Sincerely,

Terracon

Prepared by:

Mike Adams
Account Manager

Reviewed by:

Erin Loyd, P.G.
Senior Principal
Office Manager – Lubbock

Closure Documentation

8" Fadeaway to Southern Union Site | Eddy County, New Mexico

January 24, 2023 | Terracon Project No. KH227022



Attachments

Exhibit 1 – Topographic Map

Exhibit 2 – Site Map

Exhibit 3 – Site Sample Map

Exhibit 4 – NMOSE POD Location Map

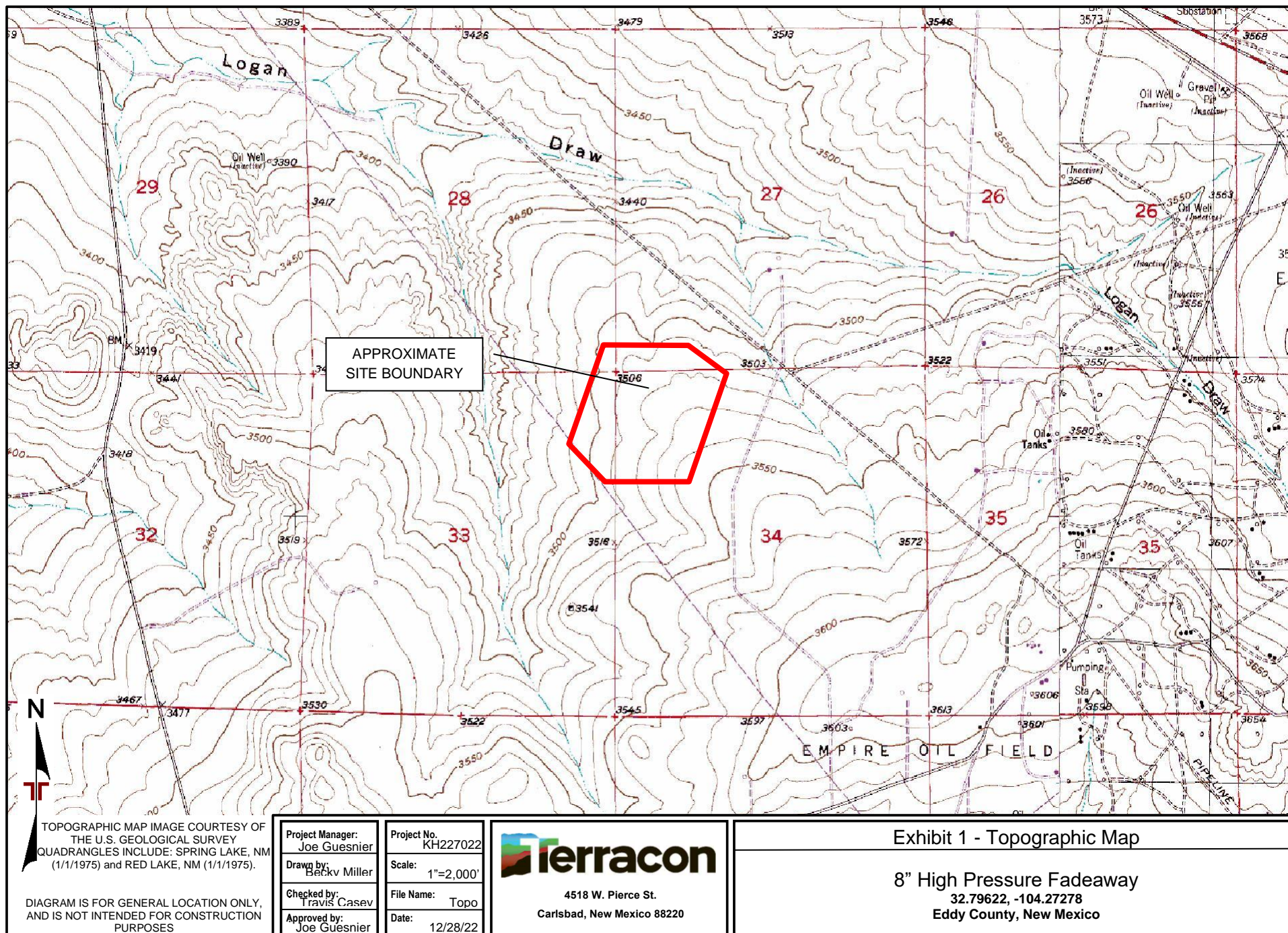
Exhibit 5 – Designated Wetlands Map

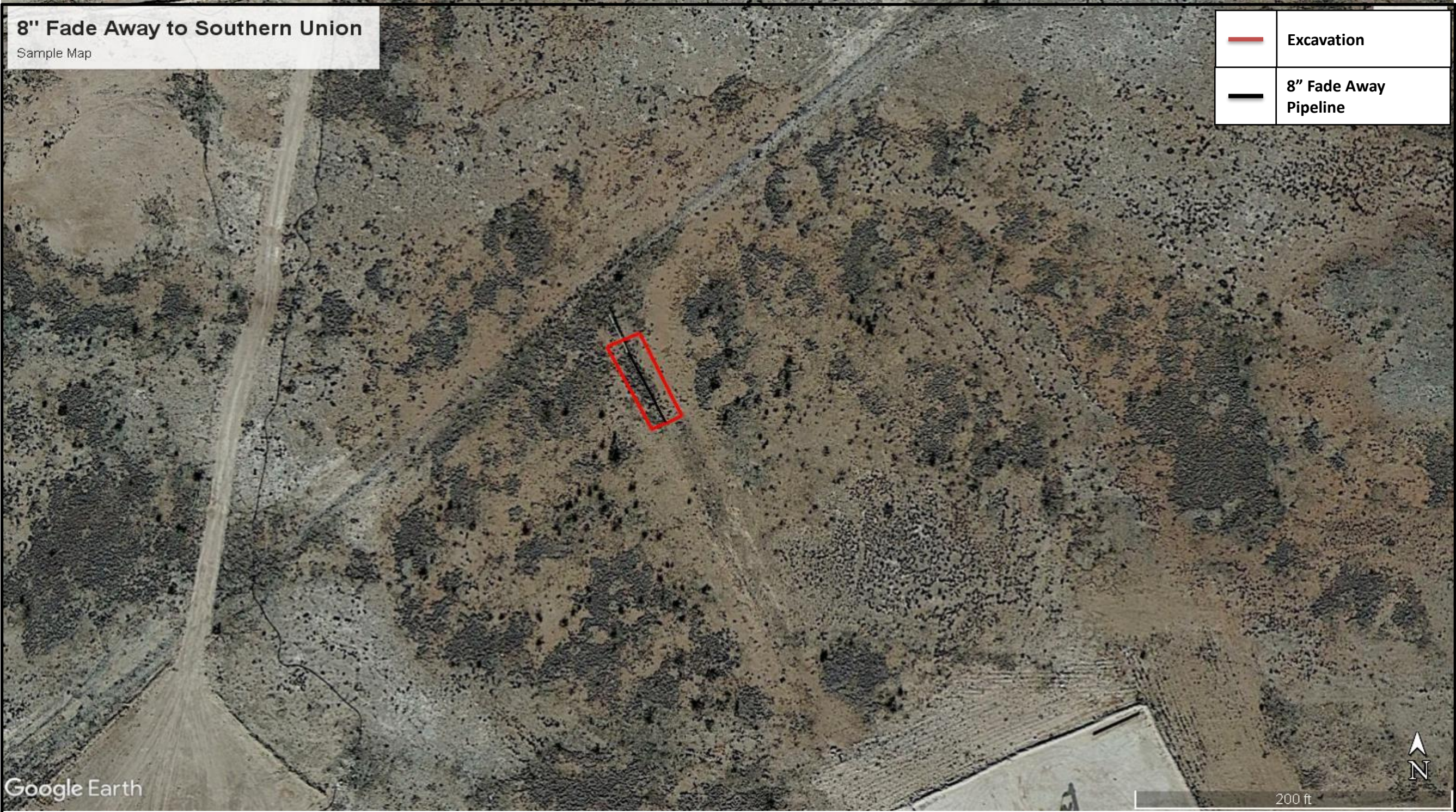
Exhibit 6 – Karst Map

Site Photo Log

Table 1 – Soil Sample Analytical Results – BTEX, Chloride, and TPH

Copies of Certified Laboratory Reports





Project No.	KH227022	Exhibit 2 - Site Map	
Scale:	As Shown	8" Fade Away to Southern Union	
Source:	Google Earth	32.79622°, -104.27278°	
Date:	12/28/2022	Eddy County, New Mexico	

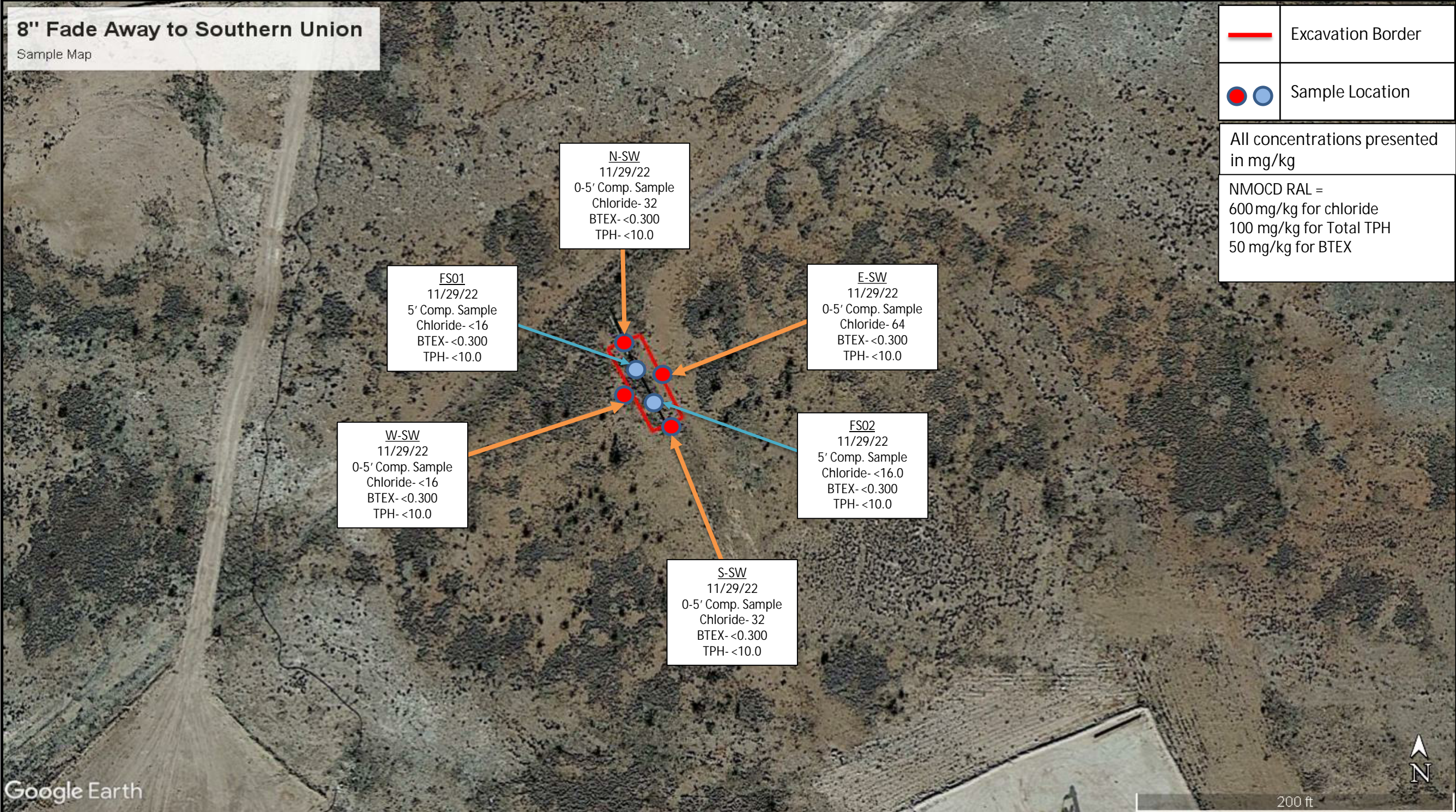
Terracon

54518 W. Pierce St.

PH. (806) 300-0104

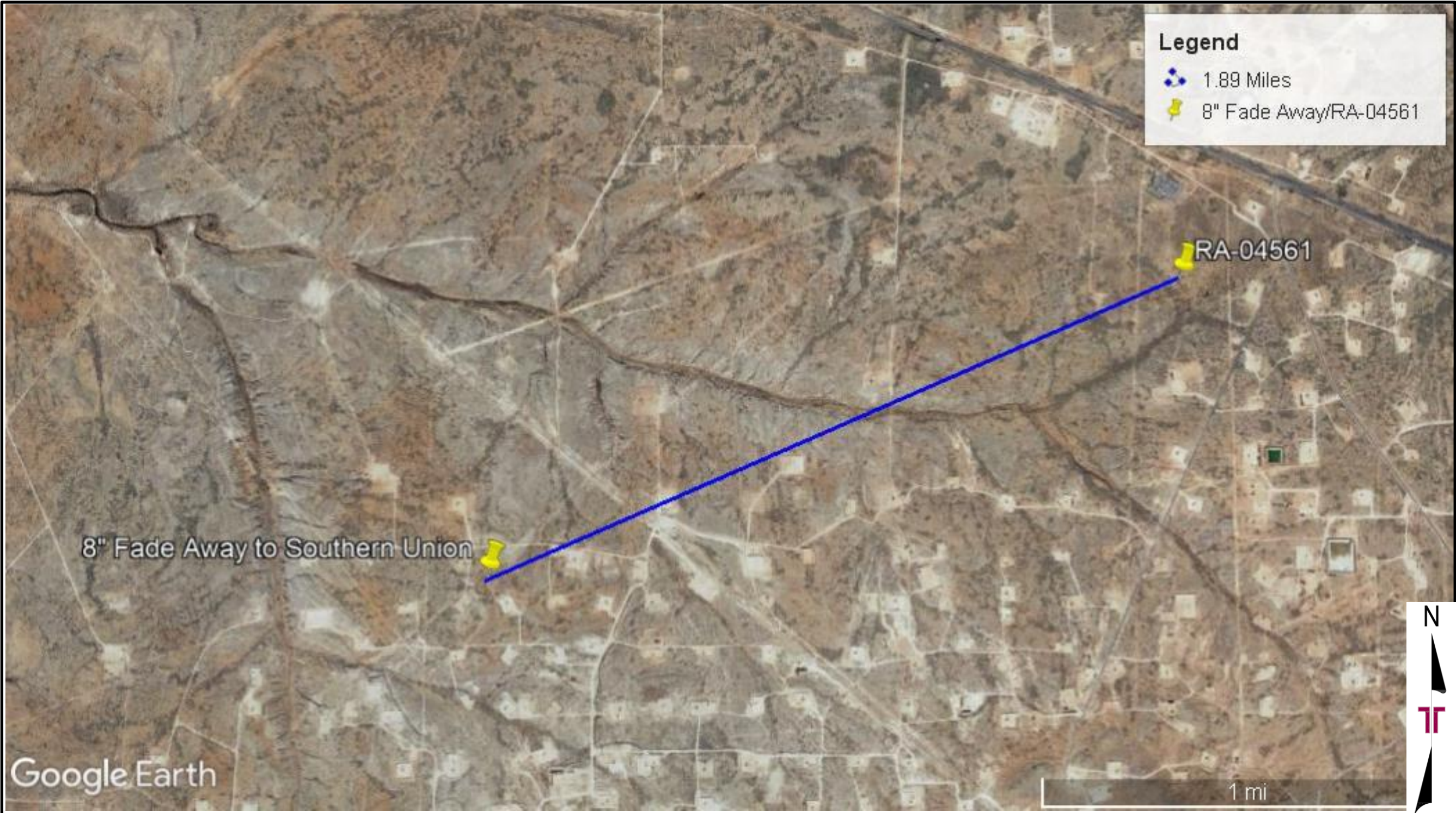
Carlsbad, New Mexico 88220


FAX. (806) 797 0947



Project No.	KH227022	Exhibit 3 – Site Sample Map	
Scale:	As Shown	8" Fade Away to Southern Union	
Source:	Google Earth	32.79622°, -104.27278°	
Date:	2022	Eddy County, New Mexico	

5847 50 th St.	Lubbock, Texas 79424
PH. (806) 300-0104	FAX. (806) 797 0947



Project No.	KH227022	Exhibit 4 – NMOSE POD Location Map	
Scale:	As Shown	8" Fade Away to Southern Union	
Source:	Google Earth	32.79622°, -104.27278°	
Date:	12/28/2022	Eddy County, New Mexico	
			
54518 W. Pierce St. PH. (806) 300-0104		Carlsbad, New Mexico 88220 FAX. (806) 797 0947	



U.S. Fish and Wildlife Service
National Wetlands Inventory

Designated Wetland Map



January 12, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

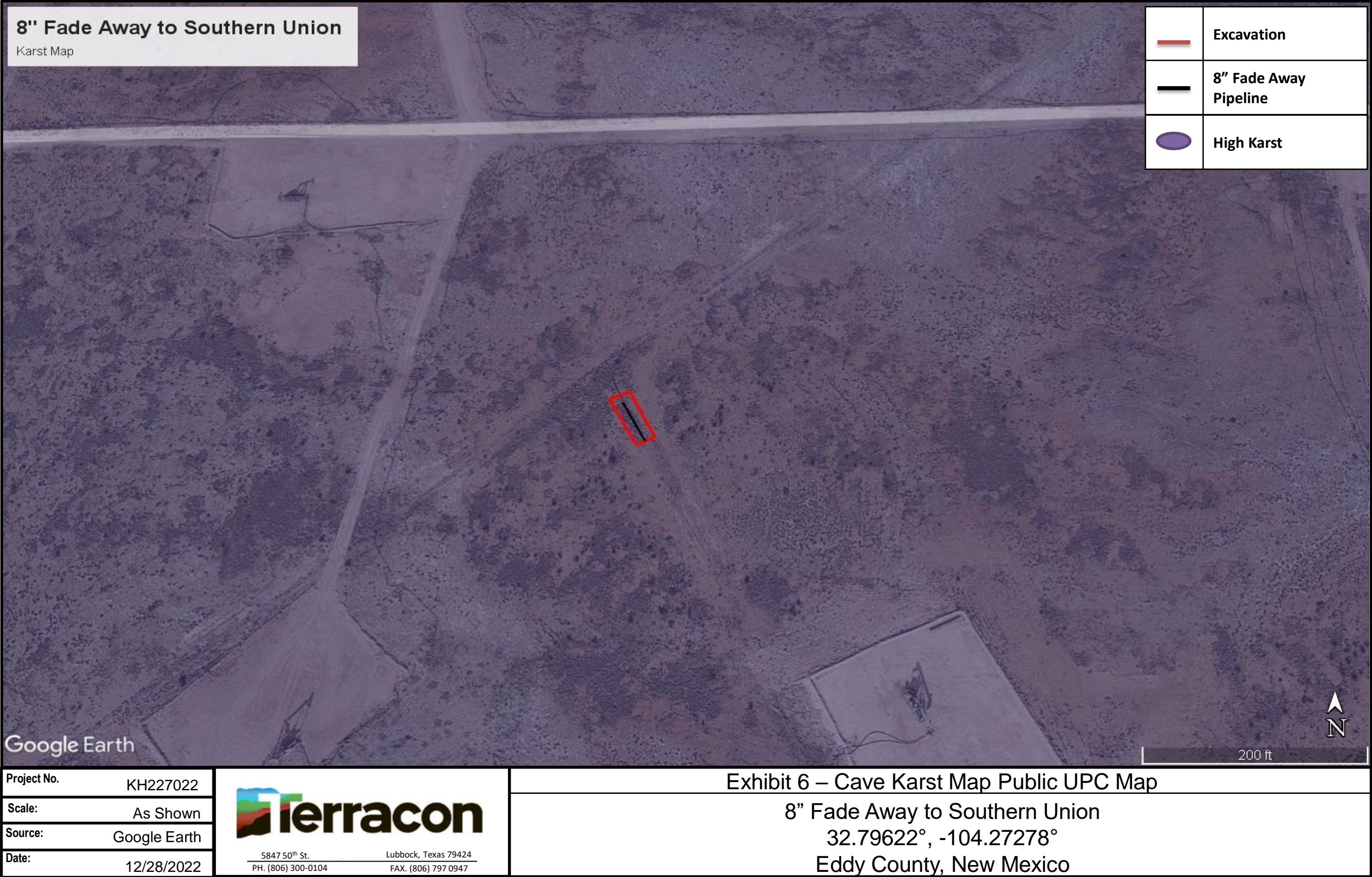


Project No.	KH227022
Scale:	As Shown
Source:	Google Earth
Date:	12/28/2022



54518 W. Pierce St. Carlsbad, New Mexico 88220
PH. (806) 300-0104 FAX. (806) 797 0947

Exhibit 5 – Designated Wetland Map
8” Fade Away to Southern Union
32.79622°, -104.27278°
Eddy County, New Mexico



8" Fade Away Release ■ Eddy County, New Mexico
January 24, 2023 ■ Terracon Project No. KH227022



PHOTO 1: View of area prior to Excavation from the North



PHOTO 2: View of area prior Excavation from the West

Responsive ■ Resourceful ■ Reliable

8" Fade Away Release ■ Eddy County, New Mexico
January 24, 2023 ■ Terracon Project No. KH227022



PHOTO 3: View of area prior Excavation from the South



PHOTO 4: View of area prior Excavation from the Northeast

Responsive ■ Resourceful ■ Reliable

TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS - BTEX ¹ , Chloride ² , and TPH ³ Project Name: 8" Fadeaway to Southern Union Site Terracon Project No. KH227022									
Sample I.D.	Sample Depth (ft. bgs)	Sample Type	Sample Date	BTEX (mg/kg)	Chloride (mg/kg)	TPH (8015M) (mg/kg)			
						GRO	DRO	MRO	TOTAL
Initial Release Margin Samples (Off Pad)									
N - SW	2 - 3	Composite	11/29/22	Benzene - <0.050 Toluene - <0.050 Ethylbenzene - <0.050 Total Xylenes - <0.150 Total BTEX - <0.300	32	<10.0	<10.0	<10.0	<10.0
E - SW	2 - 3	Composite	11/29/22	Benzene - <0.050 Toluene - <0.050 Ethylbenzene - <0.050 Total Xylenes - <0.150 Total BTEX - <0.300	64	<10.0	<10.0	<10.0	<10.0
S - SW	2 - 3	Composite	11/29/22	Benzene - <0.050 Toluene - <0.050 Ethylbenzene - <0.050 Total Xylenes - <0.150 Total BTEX - <0.300	32	<10.0	<10.0	<10.0	<10.0
W - SW	2 - 3	Composite	11/29/22	Benzene - <0.050 Toluene - <0.050 Ethylbenzene - <0.050 Total Xylenes - <0.150 Total BTEX - <0.300	<16	<10.0	<10.0	<10.0	<10.0
FS 01	4.5 - 5	Composite	11/29/22	Benzene - <0.050 Toluene - <0.050 Ethylbenzene - <0.050 Total Xylenes - <0.150 Total BTEX - <0.300	<16	<10.0	<10.0	<10.0	<10.0
FS 02	4.5 - 5	Composite	11/29/22	Benzene - <0.050 Toluene - <0.050 Ethylbenzene - <0.050 Total Xylenes - <0.150 Total BTEX - <0.300	<16	<10.0	<10.0	<10.0	<10.0
NMOCD Reclamation Standards ⁴ (Applicable for Soils from the Surface to 4 ft. Below Grade Surface)				Benzene - 10 Toluene - N/A Ethylbenzene - N/A Total Xylenes - N/A Total BTEX - 50	600	N/A			100
NMOCD Remediation and Delineation Standards ⁵ (Applicable for Soils at Depths Greater than 4 ft. Below Grade Surface)				Benzene - 10 Toluene - N/A Ethylbenzene - N/A Total Xylenes - N/A Total BTEX - 50	600	N/A			100

1. BTEX = Benzene, toluene, ethylbenzene, total xylenes analyzed by EPA Method 8021B

2. Chloride = Chloride analyzed by EPA Method 300.

3. TPH = Total petroleum hydrocarbons analyzed by EPA Method 8015M (GRO/DRO/MRO)

4. New Mexico Administration Code (NMAC) Restoration, Reclamation, and Re-vegetation (19.15.29.13) New Mexico Administration Code (NMAC) – D (Reclamation of areas no longer in use) for soils extending to 4 ft. bgs

5. New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards are proposed in 19.15.29.12 NMAC - N, 8/14/2018

< = Constituent not detected above the indicated laboratory SDL

NA = Not Analyzed

N/A = Not Applicable

Bold and Highlight denotes concentrations that exceed the New Mexico Oil Conservation Division (NMOCD) Reclamation and/or Remediation and Delineation Standards.



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

December 02, 2022

JOSEPH GUESNIER

TERRACON CONSULTANTS

5827 50TH ST. SUITE 1

LUBBOCK, TX 79424

RE: 8" FADE AWAY TO SOUTHERN UNION

Enclosed are the results of analyses for samples received by the laboratory on 11/30/22 8:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TERRACON CONSULTANTS
 JOSEPH GUESNIER
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 11/30/2022
 Reported: 12/02/2022
 Project Name: 8" FADE AWAY TO SOUTHERN UNION
 Project Number: KH227022
 Project Location: DURANGO MIDSTREAM

Sampling Date: 11/29/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: N - SW (H225589-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2022	ND	1.83	91.7	2.00	0.307	
Toluene*	<0.050	0.050	11/30/2022	ND	2.03	102	2.00	0.142	
Ethylbenzene*	<0.050	0.050	11/30/2022	ND	2.09	104	2.00	0.428	
Total Xylenes*	<0.150	0.150	11/30/2022	ND	6.46	108	6.00	1.03	
Total BTX	<0.300	0.300	11/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/30/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2022	ND	219	110	200	5.02	
DRO >C10-C28*	<10.0	10.0	11/30/2022	ND	227	114	200	5.55	
EXT DRO >C28-C36	<10.0	10.0	11/30/2022	ND					

Surrogate: 1-Chlorooctane 83.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 81.9 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TERRACON CONSULTANTS
 JOSEPH GUESNIER
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 11/30/2022
 Reported: 12/02/2022
 Project Name: 8" FADE AWAY TO SOUTHERN UNION
 Project Number: KH227022
 Project Location: DURANGO MIDSTREAM

Sampling Date: 11/29/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: E - SW (H225589-02)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2022	ND	1.83	91.7	2.00	0.307	
Toluene*	<0.050	0.050	11/30/2022	ND	2.03	102	2.00	0.142	
Ethylbenzene*	<0.050	0.050	11/30/2022	ND	2.09	104	2.00	0.428	
Total Xylenes*	<0.150	0.150	11/30/2022	ND	6.46	108	6.00	1.03	
Total BTEx	<0.300	0.300	11/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/30/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2022	ND	219	110	200	5.02	
DRO >C10-C28*	<10.0	10.0	11/30/2022	ND	227	114	200	5.55	
EXT DRO >C28-C36	<10.0	10.0	11/30/2022	ND					

Surrogate: 1-Chlorooctane 84.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.9 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TERRACON CONSULTANTS
 JOSEPH GUESNIER
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 11/30/2022
 Reported: 12/02/2022
 Project Name: 8" FADE AWAY TO SOUTHERN UNION
 Project Number: KH227022
 Project Location: DURANGO MIDSTREAM

Sampling Date: 11/29/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - SW (H225589-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/01/2022	ND	1.82	90.8	2.00	9.53		
Toluene*	<0.050	0.050	12/01/2022	ND	2.01	101	2.00	9.28		
Ethylbenzene*	<0.050	0.050	12/01/2022	ND	2.11	105	2.00	9.42		
Total Xylenes*	<0.150	0.150	12/01/2022	ND	6.37	106	6.00	9.10		
Total BTEx	<0.300	0.300	12/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/30/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2022	ND	219	110	200	5.02	
DRO >C10-C28*	<10.0	10.0	11/30/2022	ND	227	114	200	5.55	
EXT DRO >C28-C36	<10.0	10.0	11/30/2022	ND					

Surrogate: 1-Chlorooctane 87.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TERRACON CONSULTANTS
 JOSEPH GUESNIER
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 11/30/2022
 Reported: 12/02/2022
 Project Name: 8" FADE AWAY TO SOUTHERN UNION
 Project Number: KH227022
 Project Location: DURANGO MIDSTREAM

Sampling Date: 11/29/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: W - SW (H225589-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/01/2022	ND	1.82	90.8	2.00	9.53		
Toluene*	<0.050	0.050	12/01/2022	ND	2.01	101	2.00	9.28		
Ethylbenzene*	<0.050	0.050	12/01/2022	ND	2.11	105	2.00	9.42		
Total Xylenes*	<0.150	0.150	12/01/2022	ND	6.37	106	6.00	9.10		
Total BTX	<0.300	0.300	12/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/30/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2022	ND	219	110	200	5.02	
DRO >C10-C28*	<10.0	10.0	11/30/2022	ND	227	114	200	5.55	
EXT DRO >C28-C36	<10.0	10.0	11/30/2022	ND					

Surrogate: 1-Chlorooctane 91.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.4 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TERRACON CONSULTANTS
 JOSEPH GUESNIER
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 11/30/2022
 Reported: 12/02/2022
 Project Name: 8" FADE AWAY TO SOUTHERN UNION
 Project Number: KH227022
 Project Location: DURANGO MIDSTREAM

Sampling Date: 11/29/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 01 (H225589-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/01/2022	ND	1.82	90.8	2.00	9.53		
Toluene*	<0.050	0.050	12/01/2022	ND	2.01	101	2.00	9.28		
Ethylbenzene*	<0.050	0.050	12/01/2022	ND	2.11	105	2.00	9.42		
Total Xylenes*	<0.150	0.150	12/01/2022	ND	6.37	106	6.00	9.10		
Total BTEx	<0.300	0.300	12/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/30/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2022	ND	219	110	200	5.02	
DRO >C10-C28*	<10.0	10.0	11/30/2022	ND	227	114	200	5.55	
EXT DRO >C28-C36	<10.0	10.0	11/30/2022	ND					

Surrogate: 1-Chlorooctane 81.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 82.4 % 46.3-178

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Analytical Results For:

TERRACON CONSULTANTS
 JOSEPH GUESNIER
 5827 50TH ST. SUITE 1
 LUBBOCK TX, 79424
 Fax To:

Received: 11/30/2022
 Reported: 12/02/2022
 Project Name: 8" FADE AWAY TO SOUTHERN UNION
 Project Number: KH227022
 Project Location: DURANGO MIDSTREAM

Sampling Date: 11/29/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FS 02 (H225589-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/01/2022	ND	1.82	90.8	2.00	9.53		
Toluene*	<0.050	0.050	12/01/2022	ND	2.01	101	2.00	9.28		
Ethylbenzene*	<0.050	0.050	12/01/2022	ND	2.11	105	2.00	9.42		
Total Xylenes*	<0.150	0.150	12/01/2022	ND	6.37	106	6.00	9.10		
Total BTEx	<0.300	0.300	12/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/30/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/01/2022	ND	242	121	200	5.49	
DRO >C10-C28*	<10.0	10.0	12/01/2022	ND	252	126	200	13.9	
EXT DRO >C28-C36	<10.0	10.0	12/01/2022	ND					

Surrogate: 1-Chlorooctane 83.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.1 % 46.3-178

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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <i>Torrison</i>				BILL TO				ANALYSIS REQUEST			
Project Manager: <i>Joseph Guesnier</i>				P.O. #:							
Address: <i>4518 W. Perle Street</i>				Company:							
City: <i>Carlsbad</i>				Attn:							
Phone #: <i>8065077057</i>				Fax #:							
Project #: <i>1CH27022</i>				Project Owner: <i>Orange</i>							
Project Name: <i>8th Grade Away to Southern Union</i>				City:							
Project Location:				State:				Zip:			
Sampler Name: <i>Travis L. Casey</i>				Phone #:							
FOR LAB USE ONLY				Fax #:							

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :				
<i>H225589</i>	<i>N-Sw</i>	<i>C</i>	<i>1</i>			<i>X</i>				<i>11/29</i>	<i>0856</i>	<i>X</i>	<i>Chloride (EPA Method 4500)</i>
<i>1</i>	<i>E-Sw</i>	<i>1</i>	<i>1</i>								<i>0852</i>	<i>X</i>	<i>TPIT Extended 8015</i>
<i>2</i>	<i>S-Sw</i>	<i>1</i>	<i>1</i>								<i>0854</i>	<i>1</i>	<i>BTex (EPA Method 8021B)</i>
<i>3</i>	<i>U-Sw</i>	<i>1</i>	<i>1</i>								<i>0856</i>	<i>1</i>	
<i>4</i>	<i>FS 01</i>	<i>1</i>	<i>1</i>								<i>0858</i>	<i>1</i>	
<i>5</i>	<i>FS 02</i>	<i>1</i>	<i>1</i>								<i>0900</i>	<i>1</i>	

Relinquished By: <i>Tim S. Casey</i>		Date: <i>11-30-22</i>		Received By: <i>Jaimea Delgado</i>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Add'l Phone #:	
Relinquished By:		Date:		Received By:		All Results are emailed. Please provide Email address:	
Time:		Time:		Time:		REMARKS: <i>Email - Amber @ Orange</i> <i>Travis @ Terracon</i>	

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C <i>-1.1</i>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <i>TC</i>	Turnaround Time:	Standard <input checked="" type="checkbox"/> Rush	Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	Observed Temp. °C
Corrected Temp. °C <i>-1.7</i>							

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

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 180198

CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 180198
	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 #NAPP2226942465 8" HIGH PRESSURE FADEAWAY TO SOUTHERN UNION, thank you. This closure is approved.	5/24/2023