

Incident ID	nAPP2222748228 <i>Page 1 of 53</i>
District RP	
Facility ID	
Application ID	

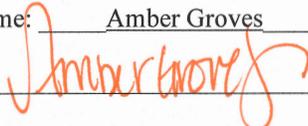
Closure

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: 12/13/2022
email: agroves@durangomidstream.com Telephone: 575-703-7992

OCD Only

Received by: Jocelyn Harimon Date: 01/13/2023

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: 5/11/2023
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?	150 (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.*

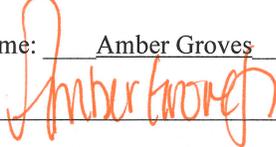
- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within 1/2-mile of the 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: 12/13/2022

email: agroves@durangomidstream.com Telephone: (575)703-7992

OCD Only

Received by: Jocelyn Hairmon Date: 01/13/2023

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Remediation Plan

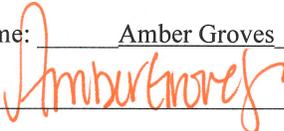
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- 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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Printed Name: Amber Groves Title: Senior Environmental Specialist
 Signature:  Date: 12/13/2022
 email: agroves@durangomidstream.com Telephone: (575)703-7992

OCD Only

Received by: Jocelyn Harimon Date: 01/13/2023

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: _____ Date: _____

Incident ID	nAPP2222748228
District RP	
Facility ID	
Application ID	

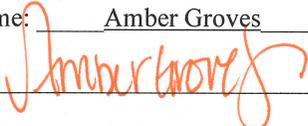
Closure

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- Description of remediation activities

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Received by: Jocelyn Harimon Date: 01/13/2023

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Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Durango Midstream Services
6" Vandiver Pipeline #1
Section: 18 Township: 18S Range: 26E
NMOCD Reference # nAPP2222748228
Terracon Project # KH227012



Closure Report

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

RE: **Closure Report**
6" Vandiver Pipeline #1
Section 18, Township 18 South, Range 26 East
Eddy County, New Mexico
Terracon Project No. KH227012

To Whom it May Concern,

Terracon Consultants, Inc. (Terracon) is pleased to submit our Closure Report for the site referenced above. The Closure Report was developed in accordance with the New Mexico Oil Conservation Division (NMOCD) regulations concerning clean-up actions required for releases of crude oil and produced water. Based on the release investigation assessment, Terracon recommends the following actions be taken to achieve protection of fresh water and the environment in accordance with NMOCD regulations. Terracon developed the Closure Report in general accordance with our scope of work (KH227012) dated September 16, 2022.

Action Items

Completed Actions

- 1) Initial site assessment and sampling events completed.
- 2) Vertical and Horizontal delineation of release was achieved.
- 3) All conditions needed for approval of closure have been met.
- 4) All Maps and associated data for approval have been provided
- 5) Conducted an initial site assessment and a series of sampling events.
- 6) During the sampling events, a series of Boreholes with a hand auger were advanced to determine the vertical delineation of the contamination. Horizontal delineation was completed to determine the Square Area of contamination.
- 7) Soil samples collected from the delineation were submitted to an approved Lab to determine levels of impact vertically and horizontally.
- 8) Excavation of the area was completed with the intent to remove impacted soil as determined by the Closure Criteria set by NMOCD.
- 9) All soil stockpiles onsite were placed on plastic and bermed around the edges to reduce loss.
- 10) All confirmation samples were collected every 200 sq. ft.
- 11) Backfill of all areas of the excavation to surrounding grade and reseeded has been completed.
- 12) Remedial activities were terminated when a confirmation sample was collected below the NMOCD RAL's for Oil and Gas impacted soils, or a competent rock layer is encountered.

Durango Midstream Services
6" Vandiver Pipeline #1
Section: 18 Township: 18S Range: 26E
NMOCD Reference # nAPP2222748228
Terracon Project # KH227012



Anticipated Actions

- 1) Approval by the NMOCD
-

Terracon appreciates this opportunity to provide environmental services to Durango Midstream Services (Durango). Should you have any questions or require additional information, please do not hesitate to contact our office.

Sincerely,
Terracon Consultants, Inc.

A handwritten signature in black ink, appearing to read 'Travis L. Casey'.

Travis L. Casey
Senior Staff Scientist
Carlsbad Office

Erin Loyd, P.G. (TX)
Principal
Office Manager – Lubbock

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Attachments:

Appendix A – Exhibits

- Exhibit 1 – Topo Map
- Exhibit 2 – Site Map
- Exhibit 3 – Initial Site Investigation Map
- Exhibit 4 – Confirmation Soil Sampling Map
- Exhibit 5 – NMOSE POD Location Map
- Exhibit 6 – Cave Karst Public UCP Map

Appendix B – Tables, Procedures, and Figures

- Table 1 – Closure Criteria for Soils Impacted by a release
- Table 2 – Soil Sample Analytical Results

Appendix C – Photographic Log

Appendix D – Analytical Report and Chain of Custody

Appendix E – Waste Manifest

Appendix F – Terracon Standard of Care, Limitation, and Reliance

Appendix G – Initial C - 141 and OCD Correspondance

Frontier Field Services
6" Vandiver Pipeline #1
Section: 18 Township: 18S Range: 26E
NMOCD Reference # nAPP2222748228
Terracon Project # KH227012



Incident Information

The following table provides detailed information regarding the August 12, 2022 Natural Gas release site in Eddy County, New Mexico:

Required Information	Site and Release information	
Responsible party	The facility is operated by Frontier Field Services	
Local contact	Contact: Miss Amber Groves	P: (575) 703-7992 E: AGroves@durangomidstream.com
NMOCD Notification	Notice of the release was provided to the NMOCD web portal by Amber Groves August 13, 2022. Incident number nAPP2222748228 was assigned to the release.	
Time of incident	August 12, 2022, discovered	
Discharge event	The cause of the leak was due to Internal and External Corrosion of pipeline which, resulted in a pinhole leak.	
Type of discharge	The documented volume of gas released 99.46 Mcf. There was evidence to indicate that 0.48bbbls. of liquid was released.	
Quantity of released material	Total Gas Volume: 99.64Mcf	Total Fluids: 0.48bbbls
Immediate corrective actions	Replacement of the Corrosive Pipeline Section. No, freestanding liquids were contained or recovered. The area impacted by the gas release is with in the Pipeline Right of Way (ROW) in a pasture. All precautions have been taken to ensure all wildlife within pasture do not have access to release area.	

Frontier Field Services
6" Vandiver Pipeline #1
Section: 18 Township: 18S Range: 26E
NMOCD Reference # nAPP2222748228
Terracon Project # KH227012



General Site Characteristics	
Remedial Determining Information	Site Ranking Characteristics
Facility description Site Map – (Exhibit 2 in Appendix A)	6" Vandiver Pipeline #1 is in Eddy County, New Mexico. It is an area located within Section 18, Township 18 South, Range 26 East, approximately 7.08 miles Southwest of Artesia, New Mexico. The site is predominantly ROW.
Site characteristics Topographic Map – (Exhibit 1 in Appendix A)	Semi-Flat surface within release area; Surrounding area is also semi- flat with a lite slope that travel to the South-southeast.
Groundwater NMOSE POD Location Map – (Exhibit 6 in Appendix A)	<p><u>POD Number:</u> (RA-01469 POD 2)</p> <p><u>Depth to Groundwater:</u> 150 ft. bgs</p> <p><u>Distance to Well:</u> 0.24 miles to the northeast</p> <p><u>Date Drilled:</u> April 19, 1960</p> <p><u>Groundwater Quality:</u> Groundwater quality at the site is predominately used for livestock and agriculture production.</p>
Surface Water	Pecos River (South-eastern Eddy County, NM), approximately 5.80 miles to Northeast.
Soil Characteristics	Soils at the site are mapped as Pima, Reagan, Dev (Pe)soils, 0 to 1 percent slopes, well-drained, 0 to 6 inches loamy, 6 to 60 inches Bottomland. This soil has a surface layer of loamy. Restrictive features are present at 80 inches bgs resulting in the formation being categorized with a low runoff classification.
Karst Characterization Cave Karst Public UCP Map – (Exhibit 7 in Appendix A)	Terracon evaluated data from the NMOCD Public FTP Site, Karst map designations in reference to the site location. The site appears to be within a Mid-level Karst risk area. Based on on-site observations within the extent of the release margins the potential for Karst formations in this specific area are of low potential. A layer of solid competent rock was encountered from 11 to 21 inches bgs within the release margins. The full extent of release quantities and excavation activities did extend greater than 84 inches bgs.

Frontier Field Services
6" Vandiver Pipeline #1
Section: 18 Township: 18S Range: 26E
NMOCD Reference # nAPP2222748228
Terracon Project # KH227012



Regulatory Framework and Response Action Levels

Oil and gas exploration and production facilities in New Mexico are generally regulated by the New Mexico Oil Conservation Division (NMOCD). The NMOCD has issued the *Closure Criteria for Soils Impacted by a Release, June 21, 2018, and Restoration, Reclamation, and Re-vegetation (19.15.29.13) NMAC - D (Reclamation of areas no longer in use)* as guidance documents for the remediation and reclamation of sites impacted by releases from oil and gas exploration and production activities. Sections detailed below the applicability of these guidance documents to the site-specific characteristics associated with the 6" Vandiver Pipeline #1

Reclamation Levels (Surface to 4 ft. bgs)

The below Reclamation Limits for chlorides, TPH (GRO+DRO+MRO), BTEX (includes benzene, toluene, ethylbenzene, and xylenes), and benzene are defined within 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.:

Constituent	Remediation Limits
Chloride	600 mg/kg
TPH (GRO+DRO+MRO)	100 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

Remediation Levels (> 4 ft. bgs)

Based on the site-specific characteristics, the applicable NMOCD remediation levels for Total BTEX, chloride, and TPH within soils, exclusive of the Reclamation Zone (surface to 4 ft. bgs), are as follows:

Constituent	Remediation Limit
Chloride	20,000 mg/kg
TPH (GRO+DRO+MRO)	2,500 mg/kg
TPH (GRO+DRO)	1,000 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

Frontier Field Services
6" Vandiver Pipeline #1
Section: 18 Township: 18S Range: 26E
NMOCD Reference # nAPP2222748228
Terracon Project # KH227012



Soil Investigation Discussion

During Terracon's September 15, 2022, through September 23, 2022, release investigation activities, a total of 15 soil samples were collected from the site placed in laboratory provided sample 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. Eleven soil samples were collected from within the release margins while the remaining samples were collected from within excavation area.

Release Margins Data Evaluation

■ Reclamation Assessment Data Evaluation

A total of 4 soil samples were collected from throughout the release extent, including side walls (SW), floor samples (FS), and surface samples (SS). All samples were analyzed for the presence of BTEX, chloride, and/or TPH. Three samples exhibited concentrations of BTEX or TPH concentrations above applicable laboratory Sample Detection Levels (SDLs). The BTEX or TPH concentrations ranged from 1,200 mg/kg in soil sample BH01-1 (0 ft bgs to 1 ft bgs) to 32,200 mg/kg in soil sample BH02-5 (4 ft bgs to 5 ft bgs), as summarized in Table 1.

Each of the 4 samples collected were analyzed for the presence of chloride. All the samples exhibit concentrations of Chlorides constituents below applicable laboratory Sample Detection Levels (SDLs), as summarized in Table 1.

Confirmation Sampling Data Evaluation

■ Remediation Assessment Data Evaluation

A total of 8 soil samples were collected from throughout the release extent, including four floor samples (FS) and four Side Wall Samples (SW). All samples were analyzed for the presence of BTEX, Benzene, and/or TPH. None of the samples exhibited concentrations of BTEX, Benzene, or TPH constituents above applicable laboratory SDLs, as summarized in Table 1.

A total of 8 soil samples were collected from throughout the release extent. All FS and SW samples were analyzed for the presence of Chlorides. All 8 samples did not exhibit concentrations of Chlorides constituents above applicable laboratory SDLs, as summarized in Table 1.

Release Investigation Data Summary

Based on the review of the above release investigation analytical results, the presence of petroleum hydrocarbon constituents (BTEX/TPH) were not detected at concentrations above applicable NMOCD

Frontier Field Services
6" Vandiver Pipeline #1
Section: 18 Township: 18S Range: 26E
NMOCD Reference # nAPP2222748228
Terracon Project # KH227012



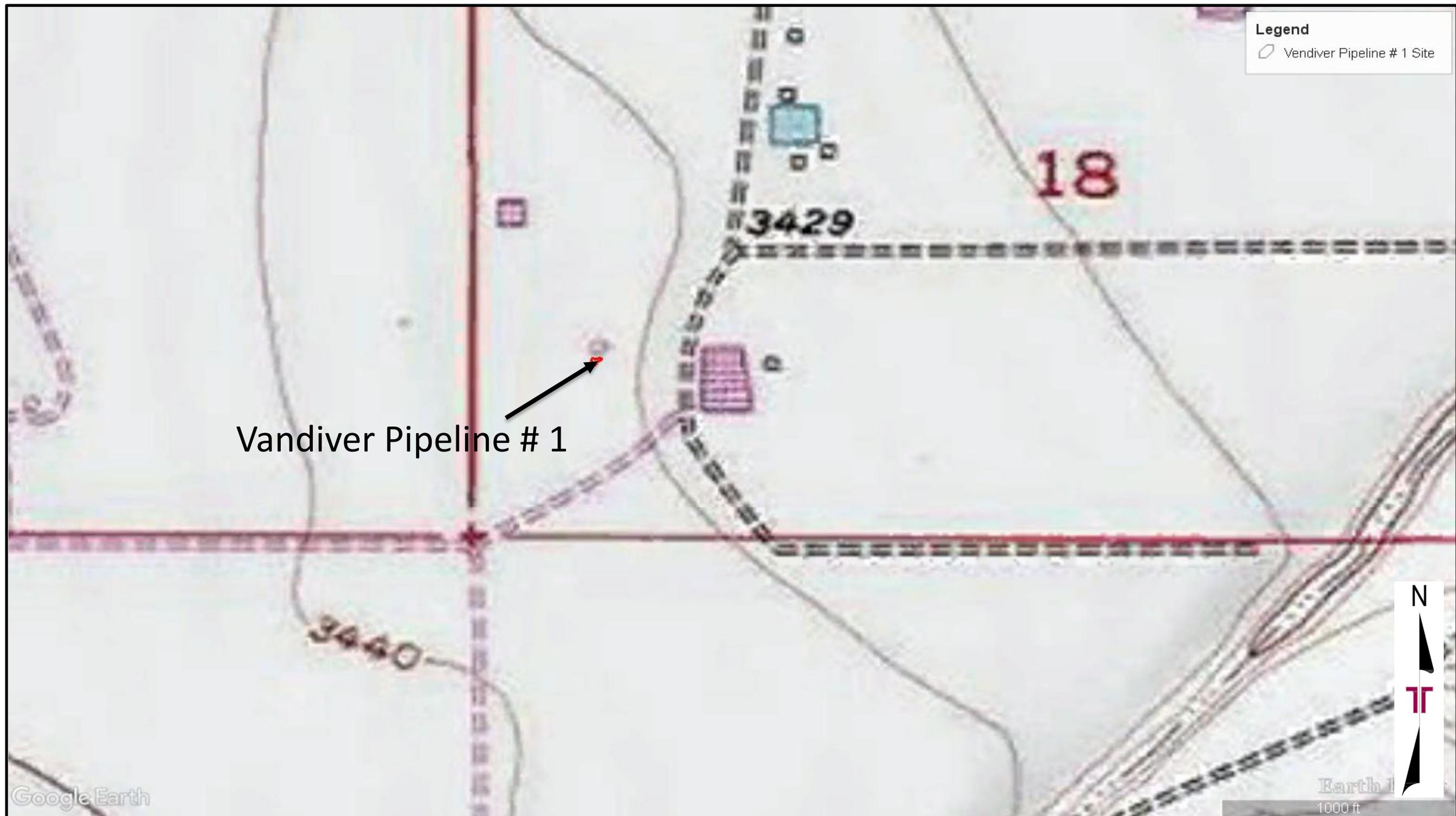
Reclamation and/or Remediation Action Limits. Of the 10 soil samples analyzed, all soil samples exhibited chloride concentrations below the applicable NMOCD Reclamation Action Limit of 600 mg/kg. None of the soil samples analyzed for chlorides exceeded the NMOCD Remediation Action Limit (RAL). Field Services respectfully requests closure of nAPP2222748228.

Frontier Field Services
6" Vandiver Pipeline #1
Section: 18 Township: 18S Range: 26E
NMOCD Reference # nAPP2222748228
Terracon Project # KH227012



Soil Management Plan	
Soil Objectives	Approach Actions
General Soil Plan	The best approach for this site was determined to be excavate all impacted materials and dispose of impacted materials at an approved oil and gas waste facility.
Reclamation Response Objectives	The objective of reclamation activities at this site were to remove all impacted materials from surface to 4 ft. below grade surface (bgs) that had chloride concentrations exceeding 600 mg/kg.
Remediation Response Objectives	The objective of remediation activities at this site were to ensure that all soils at depths below 4 ft. bgs. were at a chloride concentration below 600mg/kg.
Soil Management	All impacted soils that were excavated were placed on 20-mil poly liner. The excavated soil was stockpiled, and a berm placed around the edges to reduce unintended impacts to native soils.
Depth of Remediation Confirmation Soil Map – (Figure 3 in Appendix A)	The depths of remedial activities at the site were determined by titrating confirmation samples during excavation activities. The sections of the excavation from FS01 through FS03 were completed at 7ft. bgs., while sections N-SW, E-SW, S-SW, and W-SW were terminated at 0 - 7ft. bgs.
Disposal Facility Waste Manifest – (Appendix E)	All impacted soils were taken to Lea Land Disposal Facility.
Quantity Disposed Waste Manifest – (Appendix E)	A total of 15 cubic yards was excavated and disposed of at the Lea Land disposal facility.

APPENDIX A – EXHIBITS



Vandiver Pipeline # 1

Legend

- Vandiver Pipeline # 1 Site



Earth
1000 ft

Project No.	KH227012	 <p>4518 West Pierce Street PH. (575) 689-4020</p> <p>Carlsbad, NM 88220 FAX. (806) 797 0947</p>	Topo Map
Scale:	As Shown		Vandiver Pipeline #1
Source:	Google Earth		32.742694°, -104.427958°
Date:	12/2019		Eddy County, New Mexico



Google Earth

100 ft

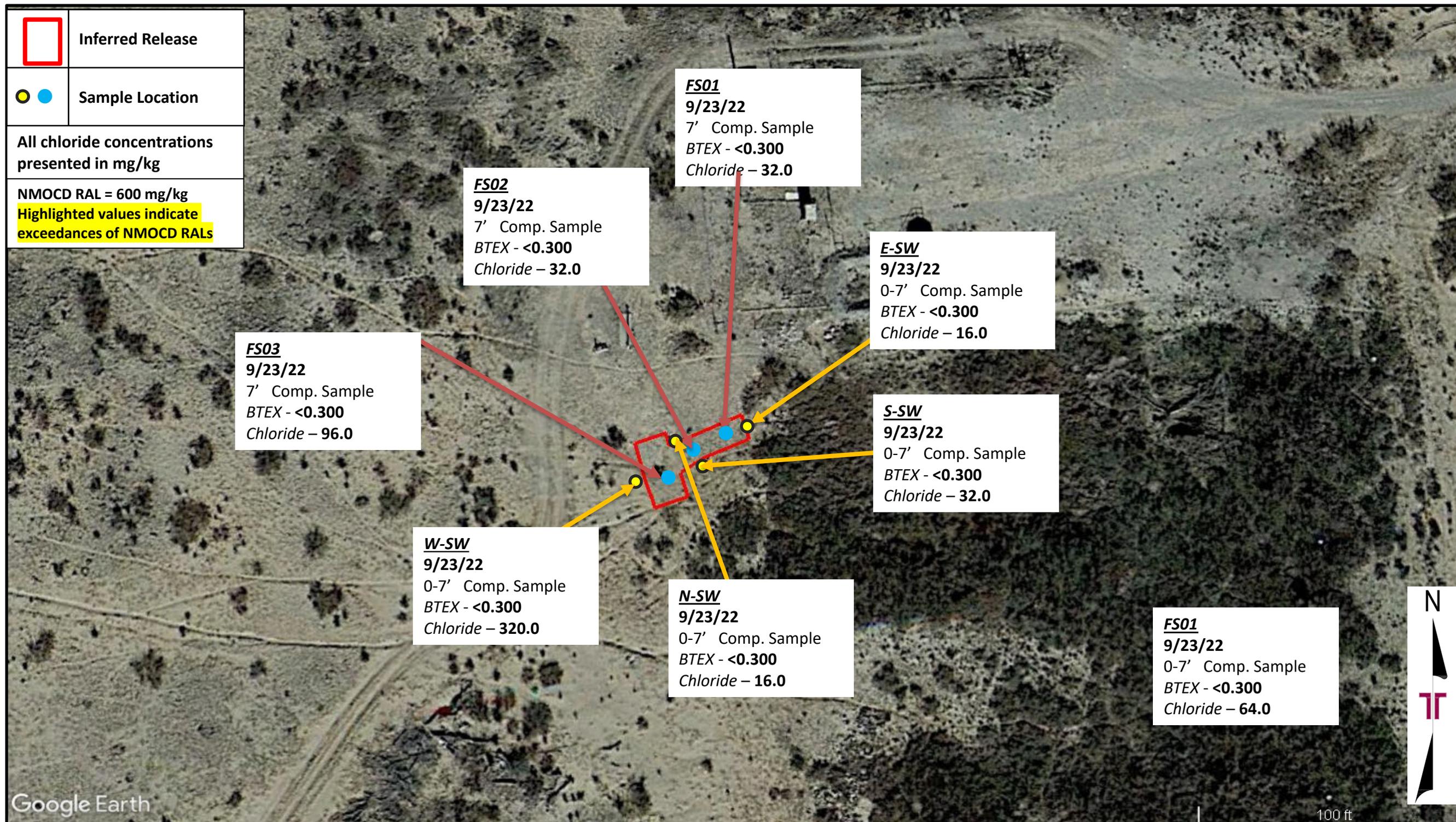
Project No.	KH227012
Scale:	As Shown
Source:	Google Earth
Date:	12/2019



4518 West Pierce Street
PH. (575) 689-4020

Carlsbad, NM 88220
FAX. (806) 797 0947

Exhibit 2 – Site Map
Vandiver Pipeline #1
32.742694°, -104.427958°
Eddy County, New Mexico



Project No.	KH227012	 4518 West Pierce Street PH. (575) 689-4020 Carlsbad, NM 88220 FAX. (806) 797 0947	Sample – Site Map Vandiver Pipeline #1 32.742694°, -104.427958° Eddy County, New Mexico
Scale:	As Shown		
Source:	Google Earth		
Date:	12/2019		



Legend

- Distance to Well .24 Miles
- Vandiver Pipeline #1

Vandiver Pipeline # 1

Google Earth

500 ft

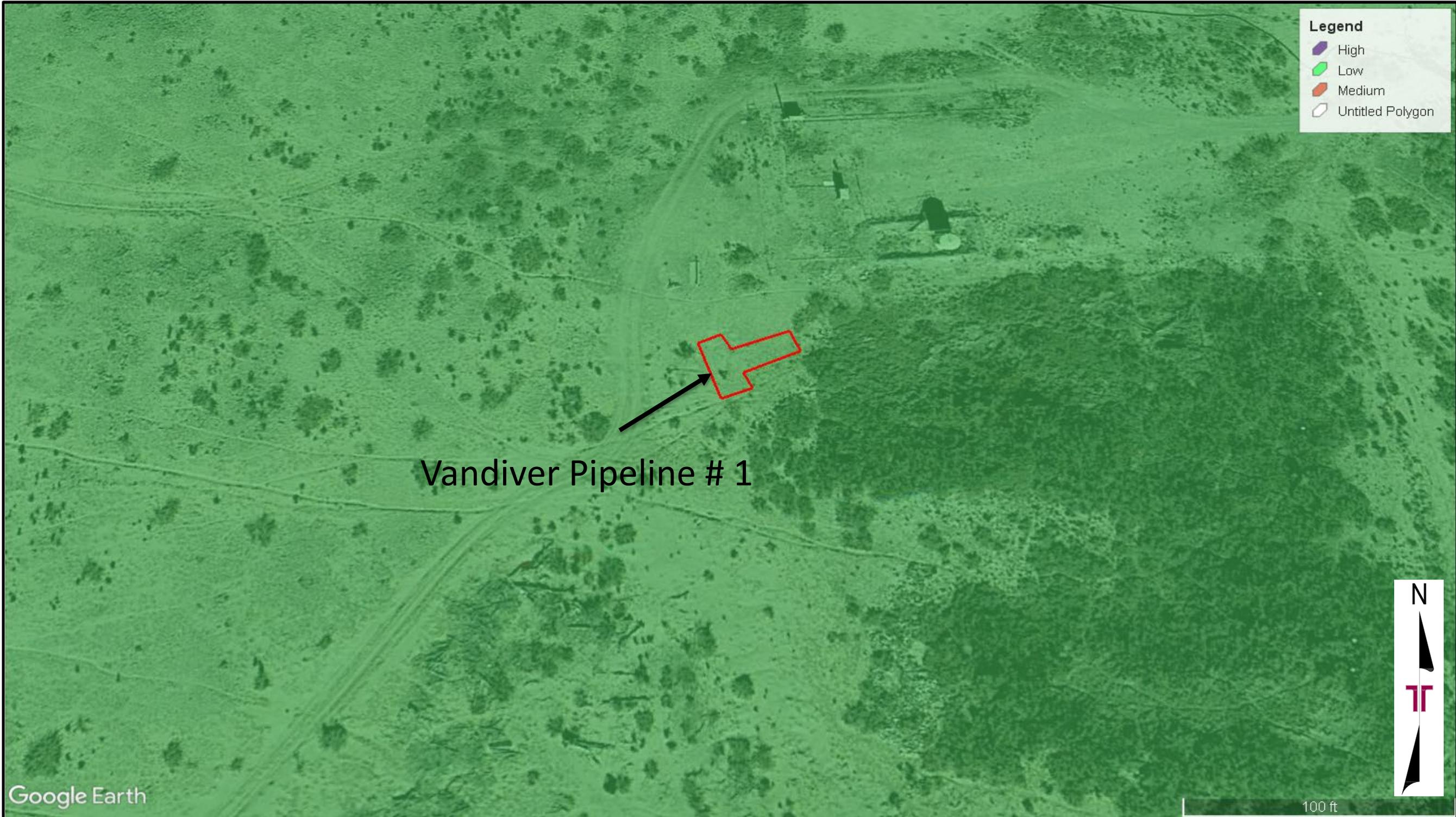
Project No.	KH227012
Scale:	As Shown
Source:	Google Earth
Date:	12/2019



4518 West Pierce Street
PH. (575) 689-4020

Carlsbad, NM 88220
FAX. (806) 797 0947

NMOSE POD Location
Vandiver Pipeline #1
32.742694°, -104.427958°
Eddy County, New Mexico



Vandiver Pipeline # 1

100 ft

Project No.	KH227012
Scale:	As Shown
Source:	Google Earth
Date:	12/2019



4518 West Pierce Street
PH. (575) 689-4020

Carlsbad, NM 88220
FAX. (806) 797 0947

Karst Map

Vandiver Pipeline #1
32.742694°, -104.427958°
Eddy County, New Mexico

APPENDIX B – TABLES, PROCEDURES, AND FIGURES

Table 1			
Closure Criteria for Soils Impacted by a Release			
Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/L TDS	Constituent	Method*	Limit**
≤50 feet	Chloride***	EPA 300.0 or SM4500 CI B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015 M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
51 feet – 100 feet	Chloride***	EPA 300.0 or SM4500 CI B	10,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015 M	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015 M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
>100 feet	Chloride***	EPA 300.0 or SM4500 CI B	20,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015 M	2,500 mg/kg
	TPH (GRO+DRO)	EPA SW-846 Method 8015 M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

*Or other methods approved by the division

**Numerical limits or natural background level, whichever is greater

***This applies to releases of produced water or other fluids, which may contain chloride

TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS - BTEX ¹ , Chloride ² , and TPH ³ Vendiver Pipeline #1 Terracon Project No. KH227012									
Sample I.D.	Sample Depth (ft. bgs)	Sample Type	Excavated/ In-Situ	Sample Date	BTEX (mg/kg)	Chloride (mg/kg)	TPH (8015M) (mg/kg)		
							GRO	DRO	EXT DRO
Initial Release Margin Samples (Off Pad)									
SS-N	0-1'	Comp	Excavated	09/15/22	Benzene - <0.050 Total BTEX - 0.382	32.0	<10.0	<10.0	<10.0
BH01-1	1'	Comp	Excavated	09/15/22	Benzene - 0.500 Total BTEX - 137	512	1200	981	102
BH01-5	5'	Comp	Excavated	09/15/22	Benzene - <0.050 Total BTEX - 1.06	80.0	22.6	96.5	<10.0
BH02-1	1'	Comp	Excavated	09/15/22	Benzene - 3.57 Total BTEX - 627	432	5010	3260	364
BH02-5	5'	Comp	Excavated	09/15/22	Benzene - 42.4 Total BTEX - 2000	64.0	32200	30300	3510
SS-S	0-1'	Comp	Excavated	09/15/22	Benzene - 0.074 Total BTEX - 1.25	32.0	14.7	<10.0	<10.0
SS-E	0-1'	Comp	Excavated	09/15/22	Benzene - <0.050 Total BTEX - 0.899	48.0	10.5	<10.0	<10.0
Confirmation Samples (Off Pad)									
N-SW	0-7'	Comp	In-Situ	09/23/22	Benzene - <0.050 Total BTEX - <0.300	16.0	<10.0	<10.0	<10.0
E-SW	0-7'	Comp	In-Situ	09/23/22	Benzene - <0.050 Total BTEX - <0.300	16.0	<10.0	<10.0	<10.0
S-SW	0-7'	Comp	In-Situ	09/23/22	Benzene - <0.050 Total BTEX - <0.300	32.0	<10.0	<10.0	<10.0
W-SW	0-7'	Comp	In-Situ	09/23/22	Benzene - <0.050 Total BTEX - <0.300	320	<10.0	<10.0	<10.0
FS01	7'	Comp	In-Situ	09/23/22	Benzene - <0.050 Total BTEX - <0.300	32.0	<10.0	<10.0	<10.0
FS1.1	7'	Comp	In-Situ	09/23/22	Benzene - <0.050 Total BTEX - <0.300	32.0	<10.0	24.1	<10.0
FS02	7'	Comp	In-Situ	09/23/22	Benzene - <0.050 Total BTEX - <0.300	32.0	<10.0	<10.0	<10.0
FS03	7'	Comp	In-Situ	09/23/22	Benzene - <0.050 Total BTEX - <0.300	96.0	<10.0	<10.0	<10.0
NMOCD Reclamation Standards⁴ (Applicable for Soils from the Surface to 4 ft. Below Grade Surface)					Benzene - 10 Total BTEX - 50	600	100		
NMOCD Remediation and Delineation Standards⁵ (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	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.

Casey, Travis

From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Monday, November 14, 2022 3:22 PM
To: Amber Groves
Cc: Billings, Bradford, EMNRD; Bratcher, Michael, EMNRD; Casey, Travis; Chad Frost; Harimon, Jocelyn, EMNRD
Subject: (Extension Approval) - nAPP2222748228 Vandiver #1

RE: Incident #NAPP2222748228

Amber,

Your request for an extension to **February 10th, 2023** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Amber Groves <AGroves@durangomidstream.com>
Sent: Wednesday, November 9, 2022 1:18 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Cc: Billings, Bradford, EMNRD <Bradford.Billings@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; travis.casey@terracon.com; Chad Frost <Cfrost@durangomidstream.com>
Subject: [EXTERNAL] nAPP2222748228 Vandiver #1 Extension Request

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Afternoon,

Frontier Field Services would like to respectfully request a 90 day extension for nAPP2222748228 Vandiver #1. The site is ready to backfill, however locating the landowner and gaining approval for remediation activities has been challenging. Please feel free to give me a call should you have any questions.

Thank you,

Amber Groves | Sr. Environmental Specialist
Mobile 575.703.7992



<https://www.durangomidstream.com/>
agroves@durangomidstream.com

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APPENDIX C – PHOTOGRAPHIC LOG

Vandiver #1 Release ■ Eddy County, New Mexico
December 7, 2022 ■ Terracon Project No. KH227012



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



PHOTO 2: View of area prior Excavation from the West facing East

Responsive ■ Resourceful ■ Reliable

Vandiver #1 Release ■ Eddy County, New Mexico
December 7, 2022 ■ Terracon Project No. KH227012



09.13.2022 01:36 PM
32.74285, -104.42789
Artesia, NMA

PHOTO 3: View of area prior Excavation from the North



09.22.2022 11:49 AM
32.7427, -104.42795
Artesia, NMA

PHOTO 4: View of area during Excavation from the West

Responsive ■ Resourceful ■ Reliable

APPENDIX D – ANALYTICAL REPORT AND CHAIN OF CUSTODY



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

September 28, 2022

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

RE: VENDIVER #1

Enclosed are the results of analyses for samples received by the laboratory on 09/23/22 11:03.

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".

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:	09/23/2022	Sampling Date:	09/21/2022
Reported:	09/28/2022	Sampling Type:	Soil
Project Name:	VENDIVER #1	Sampling Condition:	Cool & Intact
Project Number:	KH227012	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO - 32.74273, -104.42792		

Sample ID: N- SW (H224431-01)

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	09/26/2022	ND	1.92	95.8	2.00	9.07	
Toluene*	<0.050	0.050	09/26/2022	ND	2.15	107	2.00	7.09	
Ethylbenzene*	<0.050	0.050	09/26/2022	ND	2.07	103	2.00	11.1	
Total Xylenes*	<0.150	0.150	09/26/2022	ND	6.28	105	6.00	12.5	
Total BTEX	<0.300	0.300	09/26/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/26/2022	ND	400	100	400	0.00	QM-07

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2022	ND	204	102	200	1.13	
DRO >C10-C28*	<10.0	10.0	09/23/2022	ND	213	106	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	09/23/2022	ND					

Surrogate: 1-Chlorooctane 85.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.6 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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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:	09/23/2022	Sampling Date:	09/21/2022
Reported:	09/28/2022	Sampling Type:	Soil
Project Name:	VENDIVER #1	Sampling Condition:	Cool & Intact
Project Number:	KH227012	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO - 32.74273, -104.42792		

Sample ID: E- SW (H224431-02)

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	09/26/2022	ND	1.92	95.8	2.00	9.07	
Toluene*	<0.050	0.050	09/26/2022	ND	2.15	107	2.00	7.09	
Ethylbenzene*	<0.050	0.050	09/26/2022	ND	2.07	103	2.00	11.1	
Total Xylenes*	<0.150	0.150	09/26/2022	ND	6.28	105	6.00	12.5	
Total BTEX	<0.300	0.300	09/26/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/26/2022	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2022	ND	204	102	200	1.13	
DRO >C10-C28*	<10.0	10.0	09/23/2022	ND	213	106	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	09/23/2022	ND					

Surrogate: 1-Chlorooctane 86.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.4 % 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:	09/23/2022	Sampling Date:	09/21/2022
Reported:	09/28/2022	Sampling Type:	Soil
Project Name:	VENDIVER #1	Sampling Condition:	Cool & Intact
Project Number:	KH227012	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO - 32.74273, -104.42792		

Sample ID: S- SW (H224431-03)

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	09/26/2022	ND	1.92	95.8	2.00	9.07	
Toluene*	<0.050	0.050	09/26/2022	ND	2.15	107	2.00	7.09	
Ethylbenzene*	<0.050	0.050	09/26/2022	ND	2.07	103	2.00	11.1	
Total Xylenes*	<0.150	0.150	09/26/2022	ND	6.28	105	6.00	12.5	
Total BTEX	<0.300	0.300	09/26/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/26/2022	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2022	ND	186	93.2	200	10.4	
DRO >C10-C28*	<10.0	10.0	09/23/2022	ND	193	96.6	200	0.335	
EXT DRO >C28-C36	<10.0	10.0	09/23/2022	ND					

Surrogate: 1-Chlorooctane 78.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.3 % 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:	09/23/2022	Sampling Date:	09/21/2022
Reported:	09/28/2022	Sampling Type:	Soil
Project Name:	VENDIVER #1	Sampling Condition:	Cool & Intact
Project Number:	KH227012	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO - 32.74273, -104.42792		

Sample ID: W- SW (H224431-04)

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	09/26/2022	ND	1.92	95.8	2.00	9.07	
Toluene*	<0.050	0.050	09/26/2022	ND	2.15	107	2.00	7.09	
Ethylbenzene*	<0.050	0.050	09/26/2022	ND	2.07	103	2.00	11.1	
Total Xylenes*	<0.150	0.150	09/26/2022	ND	6.28	105	6.00	12.5	
Total BTEX	<0.300	0.300	09/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	09/26/2022	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2022	ND	186	93.2	200	10.4	
DRO >C10-C28*	<10.0	10.0	09/23/2022	ND	193	96.6	200	0.335	
EXT DRO >C28-C36	<10.0	10.0	09/23/2022	ND					

Surrogate: 1-Chlorooctane 82.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.6 % 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:	09/23/2022	Sampling Date:	09/21/2022
Reported:	09/28/2022	Sampling Type:	Soil
Project Name:	VENDIVER #1	Sampling Condition:	Cool & Intact
Project Number:	KH227012	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO - 32.74273, -104.42792		

Sample ID: FS 01 (H224431-05)

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	09/26/2022	ND	1.92	95.8	2.00	9.07	
Toluene*	<0.050	0.050	09/26/2022	ND	2.15	107	2.00	7.09	
Ethylbenzene*	<0.050	0.050	09/26/2022	ND	2.07	103	2.00	11.1	
Total Xylenes*	<0.150	0.150	09/26/2022	ND	6.28	105	6.00	12.5	
Total BTEX	<0.300	0.300	09/26/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/26/2022	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2022	ND	186	93.2	200	10.4	
DRO >C10-C28*	<10.0	10.0	09/23/2022	ND	193	96.6	200	0.335	
EXT DRO >C28-C36	<10.0	10.0	09/23/2022	ND					

Surrogate: 1-Chlorooctane 78.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.0 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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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:	09/23/2022	Sampling Date:	09/22/2022
Reported:	09/28/2022	Sampling Type:	Soil
Project Name:	VENDIVER #1	Sampling Condition:	Cool & Intact
Project Number:	KH227012	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO - 32.74273, -104.42792		

Sample ID: FS 1.1 (H224431-06)

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	09/26/2022	ND	1.92	95.8	2.00	9.07	
Toluene*	<0.050	0.050	09/26/2022	ND	2.15	107	2.00	7.09	
Ethylbenzene*	<0.050	0.050	09/26/2022	ND	2.07	103	2.00	11.1	
Total Xylenes*	<0.150	0.150	09/26/2022	ND	6.28	105	6.00	12.5	
Total BTEX	<0.300	0.300	09/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/26/2022	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2022	ND	186	93.2	200	10.4	
DRO >C10-C28*	24.1	10.0	09/23/2022	ND	193	96.6	200	0.335	
EXT DRO >C28-C36	<10.0	10.0	09/23/2022	ND					

Surrogate: 1-Chlorooctane 79.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.5 % 46.3-178

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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:	09/23/2022	Sampling Date:	09/22/2022
Reported:	09/28/2022	Sampling Type:	Soil
Project Name:	VENDIVER #1	Sampling Condition:	Cool & Intact
Project Number:	KH227012	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO - 32.74273, -104.42792		

Sample ID: FS 02 (H224431-07)

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	09/26/2022	ND	1.92	95.8	2.00	9.07	
Toluene*	<0.050	0.050	09/26/2022	ND	2.15	107	2.00	7.09	
Ethylbenzene*	<0.050	0.050	09/26/2022	ND	2.07	103	2.00	11.1	
Total Xylenes*	<0.150	0.150	09/26/2022	ND	6.28	105	6.00	12.5	
Total BTEX	<0.300	0.300	09/26/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/26/2022	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2022	ND	186	93.2	200	10.4	
DRO >C10-C28*	<10.0	10.0	09/23/2022	ND	193	96.6	200	0.335	
EXT DRO >C28-C36	<10.0	10.0	09/23/2022	ND					

Surrogate: 1-Chlorooctane 83.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.1 % 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:	09/23/2022	Sampling Date:	09/22/2022
Reported:	09/28/2022	Sampling Type:	Soil
Project Name:	VENDIVER #1	Sampling Condition:	Cool & Intact
Project Number:	KH227012	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO - 32.74273, -104.42792		

Sample ID: FS 03 (H224431-08)

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	09/26/2022	ND	1.92	95.8	2.00	9.07	
Toluene*	<0.050	0.050	09/26/2022	ND	2.15	107	2.00	7.09	
Ethylbenzene*	<0.050	0.050	09/26/2022	ND	2.07	103	2.00	11.1	
Total Xylenes*	0.287	0.150	09/26/2022	ND	6.28	105	6.00	12.5	
Total BTEX	<0.300	0.300	09/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/26/2022	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2022	ND	183	91.7	200	0.704	
DRO >C10-C28*	<10.0	10.0	09/23/2022	ND	200	100	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	09/23/2022	ND					

Surrogate: 1-Chlorooctane 86.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 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.
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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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: Terracon
Project Manager: Joseph Guesnier
Address: 4518 W. Perce Street
City: Carlsbad **State:** NIM **Zip:** 88220
Phone #: 8065077057 **Fax #:**
Project #: KH227012 **Project Owner:** Durango Midstream
Project Name: Vendiver #1
Project Location: 32.74273, -104.42792
Sampler Name: Travis Casey
FOR LAB USE ONLY

BILL TO **ANALYSIS REQUEST**

P.O. #:
Company:
Attn:
Address:
City:
State: **Zip:**
Phone #: **Fax #:**

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	Chloride (EPA Method 4500)	TPH Extended 8015	BTEX (EPA Method 8021B)
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
H22 4431		C	1	X							9-21	1410	X	X	X
	1 N-SW	C	1	X							9-21	1414	X	X	X
	2 E-SW	C	1	X							9-21	1416	X	X	X
	3 S-SW	C	1	X							9-21	1418	X	X	X
	4 W-SW	C	1	X							9-21	1420	X	X	X
	5 FSO1	C	1	X							9-22	1148	X	X	X
	6 F51.1	C	1	X							9-22	1150	X	X	X
	7 F502	C	1	X							9-22	1152	X	X	X
	8 F503	C	1	X											

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Relinquished By: [Signature] **Date:** 9-23-22
Received By: [Signature] **Date:** 103
Time: 103
Observed Temp. °C: 0.1 **Corrected Temp. °C:** -0.5°C
Sample Condition: Cool Intact Yes No
Checked By: [Signature] (Initials) JES
Turnaround Time: Standard Add'l Phone #:
Thermometer ID #113: **Standard:** **Bacteria (only) Sample Condition:** Yes No
Thermometer Error -0.5°C: **Corrected Temp. °C:** 0.1
Remarks:

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



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

September 23, 2022

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

RE: VENDIVER #1

Enclosed are the results of analyses for samples received by the laboratory on 09/19/22 16:58.

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".

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:	09/19/2022	Sampling Date:	09/16/2022
Reported:	09/23/2022	Sampling Type:	Soil
Project Name:	VENDIVER #1	Sampling Condition:	Cool & Intact
Project Number:	KH227012	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO MIDSTREAM - ARTESIA, NM		

Sample ID: SS - N (H224330-01)

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	09/21/2022	ND	1.81	90.5	2.00	6.49	
Toluene*	0.068	0.050	09/21/2022	ND	1.83	91.3	2.00	4.56	
Ethylbenzene*	<0.050	0.050	09/21/2022	ND	1.74	87.2	2.00	5.38	
Total Xylenes*	0.314	0.150	09/21/2022	ND	5.41	90.1	6.00	5.77	
Total BTEX	0.382	0.300	09/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/21/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/20/2022	ND	183	91.6	200	4.06	
DRO >C10-C28*	<10.0	10.0	09/20/2022	ND	197	98.7	200	6.11	
EXT DRO >C28-C36	<10.0	10.0	09/20/2022	ND					

Surrogate: 1-Chlorooctane 85.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.0 % 46.3-178

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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:	09/19/2022	Sampling Date:	09/16/2022
Reported:	09/23/2022	Sampling Type:	Soil
Project Name:	VENDIVER #1	Sampling Condition:	Cool & Intact
Project Number:	KH227012	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO MIDSTREAM - ARTESIA, NM		

Sample ID: BH01 - 1' (H224330-02)

BTEX 8021B		mg/kg		Analyzed By: JH/				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	09/21/2022	ND	1.81	90.5	2.00	6.49	
Toluene*	11.3	0.500	09/21/2022	ND	1.83	91.3	2.00	4.56	
Ethylbenzene*	5.92	0.500	09/21/2022	ND	1.74	87.2	2.00	5.38	
Total Xylenes*	119	1.50	09/21/2022	ND	5.41	90.1	6.00	5.77	
Total BTEX	137	3.00	09/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 236 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	09/21/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1200	10.0	09/20/2022	ND	183	91.6	200	4.06	
DRO >C10-C28*	981	10.0	09/20/2022	ND	197	98.7	200	6.11	
EXT DRO >C28-C36	102	10.0	09/20/2022	ND					

Surrogate: 1-Chlorooctane 243 % 45.3-161

Surrogate: 1-Chlorooctadecane 117 % 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:	09/19/2022	Sampling Date:	09/16/2022
Reported:	09/23/2022	Sampling Type:	Soil
Project Name:	VENDIVER #1	Sampling Condition:	Cool & Intact
Project Number:	KH227012	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO MIDSTREAM - ARTESIA, NM		

Sample ID: BH01 - 5' (H224330-03)

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	09/21/2022	ND	1.81	90.5	2.00	6.49	
Toluene*	0.078	0.050	09/21/2022	ND	1.83	91.3	2.00	4.56	
Ethylbenzene*	0.092	0.050	09/21/2022	ND	1.74	87.2	2.00	5.38	
Total Xylenes*	0.889	0.150	09/21/2022	ND	5.41	90.1	6.00	5.77	
Total BTEX	1.06	0.300	09/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/21/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	22.6	10.0	09/20/2022	ND	183	91.6	200	4.06	
DRO >C10-C28*	96.5	10.0	09/20/2022	ND	197	98.7	200	6.11	
EXT DRO >C28-C36	<10.0	10.0	09/20/2022	ND					

Surrogate: 1-Chlorooctane 81.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.5 % 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:	09/19/2022	Sampling Date:	09/16/2022
Reported:	09/23/2022	Sampling Type:	Soil
Project Name:	VENDIVER #1	Sampling Condition:	Cool & Intact
Project Number:	KH227012	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO MIDSTREAM - ARTESIA, NM		

Sample ID: BH02 - 1' (H224330-04)

BTEX 8021B		mg/kg		Analyzed By: JH/				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	3.57	1.00	09/22/2022	ND	1.81	90.5	2.00	6.49	
Toluene*	119	1.00	09/22/2022	ND	1.83	91.3	2.00	4.56	
Ethylbenzene*	46.0	1.00	09/22/2022	ND	1.74	87.2	2.00	5.38	
Total Xylenes*	458	3.00	09/22/2022	ND	5.41	90.1	6.00	5.77	
Total BTEX	627	6.00	09/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 200 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	09/21/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	5010	10.0	09/20/2022	ND	183	91.6	200	4.06	
DRO >C10-C28*	3260	10.0	09/20/2022	ND	197	98.7	200	6.11	
EXT DRO >C28-C36	364	10.0	09/20/2022	ND					

Surrogate: 1-Chlorooctane 527 % 45.3-161

Surrogate: 1-Chlorooctadecane 211 % 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:	09/19/2022	Sampling Date:	09/16/2022
Reported:	09/23/2022	Sampling Type:	Soil
Project Name:	VENDIVER #1	Sampling Condition:	Cool & Intact
Project Number:	KH227012	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO MIDSTREAM - ARTESIA, NM		

Sample ID: BH02 - 5' (H224330-05)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	42.4	5.00	09/22/2022	ND	1.81	90.5	2.00	6.49	
Toluene*	676	5.00	09/22/2022	ND	1.83	91.3	2.00	4.56	
Ethylbenzene*	148	5.00	09/22/2022	ND	1.74	87.2	2.00	5.38	
Total Xylenes*	1140	15.0	09/22/2022	ND	5.41	90.1	6.00	5.77	
Total BTEX	2000	30.0	09/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 132 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/21/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	32200	100	09/21/2022	ND	183	91.6	200	4.06		
DRO >C10-C28*	30300	100	09/21/2022	ND	197	98.7	200	6.11		
EXT DRO >C28-C36	3510	100	09/21/2022	ND						

Surrogate: 1-Chlorooctane 804 % 45.3-161

Surrogate: 1-Chlorooctadecane 746 % 46.3-178

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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:	09/19/2022	Sampling Date:	09/16/2022
Reported:	09/23/2022	Sampling Type:	Soil
Project Name:	VENDIVER #1	Sampling Condition:	Cool & Intact
Project Number:	KH227012	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO MIDSTREAM - ARTESIA, NM		

Sample ID: SS - S (H224330-06)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.074	0.050	09/21/2022	ND	1.81	90.5	2.00	6.49	
Toluene*	0.474	0.050	09/21/2022	ND	1.83	91.3	2.00	4.56	
Ethylbenzene*	0.051	0.050	09/21/2022	ND	1.74	87.2	2.00	5.38	
Total Xylenes*	0.651	0.150	09/21/2022	ND	5.41	90.1	6.00	5.77	
Total BTEX	1.25	0.300	09/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/21/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	14.7	10.0	09/20/2022	ND	183	91.6	200	4.06	
DRO >C10-C28*	<10.0	10.0	09/20/2022	ND	197	98.7	200	6.11	
EXT DRO >C28-C36	<10.0	10.0	09/20/2022	ND					

Surrogate: 1-Chlorooctane 71.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 73.6 % 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:	09/19/2022	Sampling Date:	09/16/2022
Reported:	09/23/2022	Sampling Type:	Soil
Project Name:	VENDIVER #1	Sampling Condition:	Cool & Intact
Project Number:	KH227012	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO MIDSTREAM - ARTESIA, NM		

Sample ID: SS - E (H224330-07)

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	09/21/2022	ND	1.81	90.5	2.00	6.49	
Toluene*	0.127	0.050	09/21/2022	ND	1.83	91.3	2.00	4.56	
Ethylbenzene*	<0.050	0.050	09/21/2022	ND	1.74	87.2	2.00	5.38	
Total Xylenes*	0.772	0.150	09/21/2022	ND	5.41	90.1	6.00	5.77	
Total BTEX	0.899	0.300	09/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/21/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	10.5	10.0	09/20/2022	ND	183	91.6	200	4.06	
DRO >C10-C28*	<10.0	10.0	09/20/2022	ND	197	98.7	200	6.11	
EXT DRO >C28-C36	<10.0	10.0	09/20/2022	ND					

Surrogate: 1-Chlorooctane 67.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 68.7 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- 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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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: TERRACON		BILL TO	
Project Manager: Joseph Guesnier		P.O. #:	
Address: 5847 50th Street		Company: Durango	
City: Lubbock		Attn:	
State: TX zip: 79424		Address:	
Phone #: (806) 500-0140 Fax #:		City:	
Project #: 6H227012 Project Owner:		State:	
Project Name: Vendover #1		Zip:	
Project Location: Artesia, NM		Phone #:	
Sampler Name: Austin Worley		Fax #:	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	BTEX (802413)	Chloride (EPA Method 4500)	TPH (8015)
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
H224330	SS-N	G	1	X							9/16/22	11:35	X	X	X
	BH01-1'	G	1	X							9/16/22	11:10	X	X	X
	BH01-5'	G	1	X							9/16/22	11:16	X	X	X
	BH02-1'	G	1	X							9/16/22	11:18	X	X	X
	BH02-5'	G	1	X							9/16/22	11:23	X	X	X
	SS-S	G	1	X							9/16/22	11:34	X	X	X
	SS-E	G	1	X							9/16/22	11:36	X	X	X

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Relinquished By: <i>Joseph Guesnier</i>	Date: 9-19-22	Received By: <i>Joseph Guesnier</i>	Date: 9-19-22
Relinquished By: <i>Joseph Guesnier</i>	Time: 9:58pm	Received By: <i>Joseph Guesnier</i>	Time: 9:58pm

Delivered By: (Circle One)	Observed Temp. °C	Corrected Temp. °C	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:	Standard	Bacteria (only)
Sampler - UPS - Bus - Other:	1.8	2.4	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	JG		<input checked="" type="checkbox"/> Rush	Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>

REMARKS: **Joseph.guesnier@terracon.com**
frans.casey@terracon.com
austin.worley@terracon.com

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

APPENDIX E – WASTE MANIFEST

APPENDIX F – TERRACON STANDARD OF CARE, LIMITATION, AND RELIANCE

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 175871

CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 175871
	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 #NAPP2222748228 6" VANDIVER PIPELINE #1, thank you. This closure is approved.	5/11/2023