

- Attn: New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, NM 87505
- RE: Release Investigation, and Closure Report Cedar Breaks LH St. 1 6" Steel Line Unit M, Section 2, Township 18 South, Range 30 East 32.772122°, -103.948648° Eddy County, New Mexico Terracon Project No. KH237028

To Whom It May Concern:

Terracon Consultants, Inc. (Terracon) is pleased to submit our Release Investigation and Closure Report for the site referenced above. The scope of services 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. The investigative response actions were taken as the result of a natural gas and condensate release from a suspected corroded lateral line. The below sections detail Terracon's assessment and remediation actions in response to the noted release.

#### Action I tems

Completed Actions

1)	Initial site assessment and sampling events completed.
2)	All conditions needed for approval of closure have been met.
3)	All Maps and associated data for approval have been provided
4)	Conducted an initial site assessment and a series of confirmation sampling events.
5)	Soil samples collected from the excavation were submitted to an approved Lab to
	determine levels of impact vertically and horizontally.
6)	Excavation of the inferred release area was completed with the intent to remove
	impacted soil as determined by the Closure Criteria set by NMOCD.
7)	All soil stockpiles on site were placed on plastic and bermed around the edges to
	reduce loss.
8)	All confirmation samples were collected every 200 sq. ft.
9)	Remedial activities were terminated when confirmation samples were collected
	below the NMOCD Remediation Action Levels (RALs) for Oil and Gas impacted
	soils.



#### **Anticipated Actions**

- Following the completion of remedial activities all areas of the excavation activities will be backfilled and brought to the surrounding grade and reseeded.
   Approval by the NMOCD
- Approval by the NMOCD.

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

#### Sincerely, Terracon Consultants, Inc.

**Travis Casey** 

Senior Staff Scientist Carlsbad

**Erin Løyd, P.G. (TX)** Senior Principal Office Manager – Lubbock

Facilities | Environmental | Geotechnical | Materials 2

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Attachments:

- Appendix A Exhibits
  - Exhibit 1 Topographic Map
  - Exhibit 2 Site Location Map
  - Exhibit 3 Site Sample Map
  - Exhibit 4 NMOSE POD Location Map
  - Exhibit 5 Designated Wetland Map
  - Exhibit 6 Cave Karst Public UCP Map
- Appendix B Tables, Procedures, and Figures
  - Table 1 Soil Sample Analytical Results
- Appendix C Photographic Log
- Appendix D Analytical Report and Chain of Custody
- Appendix E Initial Form C-141 & Final C-141
- Appendix F Terracon Standard of Care, Limitation, and Reliance

**ierracon** 

Frontier Field Services, LLC Cedar Breaks LH St. 1 6" Steel Line 32.772122°, -103.948648° NMOCD Reference # nAPP2306238104 Terracon Project # KH237028

#### Section 1 – Incident Information

The following table provides detailed information regarding the March 2, 2023, natural gas, and condensate release at the Cedar Breaks LH St. 1 6" Steel Line (Cedar Breaks LH) site in Eddy County, New Mexico:

Required Information	Site and Release infor	Site and Release information				
Responsible party	The pipeline is operated	by Frontier Field Services, LLC.				
Local contact	Contact: Mr. Chad Frost P: (575)-703-1804 E: <u>cfrost@durangomidstream.com</u>					
NMOCD Notification	Notice of the release was Office by Ms. Amber Grov NMOCD Reference ID: nAPP					
Facility Description	area located within Unit I 30 East, approximately 1 Mexico. The site is predo	in Eddy County, New Mexico. It is an <i>A</i> , Section 2, Township 18 South, Range 2.32 miles southwest of Maljamar, New minantly developed oil and gas Right of Office (SLO) owned native pastureland.				
Time of incident	March 2, 2023, discovere	d during third-party excavation.				
Discharge event	0 1 1	eak was caused by external and internal strated in Exhibits 1 and 2 of Appendix A				
Type of discharge		gas release occurred in a ROW, SLO- nd area. Soils at the site are affected at he depth of the pipeline.				
Quantity of spilled material	Total Fluids: 1.53 bbls Natural Gas: 111.55 Mcf					
Site characteristics	Relatively flat with drainage following the natural ground surface; very gently sloping to the southeast.					
Immediate corrective actions	blown down, and clampe	closed in at the nearest isolation valve, ed. A backhoe was utilized to excavate e line strike to discover the source of the				



Section 2 – Genera	al Site Characteristics
Physical Characteristic	Site Ranking Characteristics
Groundwater NMOSE POD Location Map – (Exhibit 6 in Appendix A)	POD Number:(RA-11914 POD 1)Depth to Groundwater:80 ft. bgsDistance to Well:4.14 miles to the northwestDate Drilled:March 19, 2013GroundwaterQuality:GroundwaterQuality:
Surface Water NM Wetland Map – (Exhibit 7 in Appendix A)	predominately used for exploratory reasons. Salt Lake (Cedar Lake), is approximately 2.00 miles to the northeast.
100-Year Flood Plain	This site is located outside the 100-year flood plain of the Pecos River.
Soil Characteristics	Soils at the site are mapped as Kermit-Berino Fine Sand series soils, 0 to 3 percent slopes, well-drained, 4 to 12 inches single- grained; loose; few fine roots; very porous; few dark organic stains; noncalcareous; neutral; gradual smooth boundary. (6 to 12 inches thick). The formation is categorized with a very high runoff classification.
Karst Characterization Cave Karst Public UCP Map – (Exhibit 8 in Appendix A)	Terracon evaluated data from the NMOCD Public UCP Site, Karst map designations in reference to the site location. The site appears to be within a low-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. Restrictive features were not encountered from surface to 60 inches below grade surface (bgs) within the release margins. The full extent of release quantities and excavation activities did not extend greater than 60 inches bgs.



#### Section 3 – 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 Revegetation (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 Cedar Breaks LH.

Section 3.1 – 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 the 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

Section 3.2 – 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	600 mg/kg
ТРН	100 mg/kg
(GRO+DRO+MRO)	
BTEX	50 mg/kg
Benzene	10 mg/kg



#### Section 4 – Remediation Activities

On March 29, 2023, Terracon mobilized to the site to perform soil remediation activities. Areas exhibiting visual impact were excavated to a depth of approximately 4 to 5 feet bgs.

Approximately 20 cubic yards of soil were excavated and stockpiled atop a polyethylene liner pending waste characterization and disposal under an approved Form C-138. Excavation efforts ceased based on the results of removing visual impacts. Excavated materials were disposed of at Lea Land Landfill.

#### Section 5 - Remediation Confirmation Assessment

A total of 5 composite soil samples (N-SW, S-SW, E-SW, W-SW, and FS-01) were collected from the excavation, placed in laboratory-provided sample containers, preserved with ice, and transported under a chain of custody to Cardinal Laboratories in Hobbs, New Mexico for analysis of BTEX, TPH, and chlorides.

#### Section 6 – Analytical Results

On March 29, 2023, five composite samples were collected, and three of the samples exhibited concentrations of TPH above the laboratory SDLs. Of the three samples above the laboratory SDLs, one sample E-SW (surface to 5 ft bgs) was above the NMOCD RAL for TPH of 100 mg/kg. Following additional remedial activities, the sampling event on April 11 & December 01, 2023 resulted in concentrations of TPH below laboratory SDLs and under the NMOCD RAL closure criteria.

All soil samples collected from the excavation area exhibited concentrations of chloride below the NMOCD RAL closure criteria of 600 mg/kg and ranging from <16.0 mg/kg in E-SW 1.2 and S-SW 1.2 (surface to 5 ft bgs) to 80 mg/kg in N-SW (surface to 5 ft bgs).

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

In accordance with NMAC 19.15.29.12, remediation of the impacted material is complete, and Terracon along with Frontier Field Services respectfully requests closure of the incident nAPP2306238104.

#### **APPENDIX A – EXHIBITS**





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3	at it is a	and and a state of the	M. Data		and a star
	W-SW 03/29/2023 0-5' Comp. Sample Chloride: 16.0 BTEX: <0.300 TPH: 15.8	FS-01 03/29/2023 5' Comp. Sample Chloride: 32.0 BTEX: <0.300 TPH: <0.10	N-SW 03/29/2023 0-5' Comp. Sample Chloride: 80.0 BTEX: <0.300 TPH: 39.7		VIDE
	W-SW 1.3 12/01/2023 0-5' Comp. Sample Chloride: <16.0 BTEX: <0.300 TPH: <0.10		N-SW 1.3 12/01/2023 0-5' Comp. Sample Chloride: 32.0 BTEX: <0.300 TPH: <0.10	a service	aaks/KH237028 GedarBreaks
	S-SW 03/29/2023 0-5' Comp. Sample Chloride: 48.0 BTEX: <0.300 TPH: <b>98.1</b>		E-SW 03/29/2023 0-5' Comp. Sample Chloride: 32.0 BTEX: <0.300 TPH: <b>101</b>		aksMaps\KH237028 CedarBr
The second second	S-SW 1.2 04/11/2023 0-5' Comp. Sample Chloride: <16.0 BTEX: <0.300 TPH: <0.10		E-SW 1.2 04/11/2023 0-5' Comp. Sample Chloride: <16.0 BTEX: <0.300 TPH: <0.10		Projects/KH/237028 CedarBre
NMOCD RAL = 600 mg/kg for Chloride 100 mg/kg for Total TPH 50 mg/kg for BTEX Bold and Highlighted denote	S-SW 1.3 12/01/2023 0-5' Comp. Sample Chloride: <16.0 BTEX: <0.300 TPH: <0.10		E-SW 1.3 12/01/2023 0-5' Comp. Sample Chloride: <16.0 BTEX: <0.300 TPH: <0.10		C.G.S.
concentrations that exceed the NMOCD Reclamation and/ or Remediation and Delineation Standards	XIA	· · ·	DATASOU	CES: Bing 0 25 50	Feet 100
Excavation Border	Project No.: KH237028 Date:	Fierracon	Site S	Sample Map	Exhibit
30 <sup>a</sup> U U	Dec 2023 Drawn By: JWL Reviewed By:	4526 W Pierce St Carlsbad, NM	-103.9488	s LH St. 1 6" Steel 252, 32.7720848 nty, New Mexico	3
Released to Imaging: 1/10/2024 2:45:29 PM	JRG	PH. 806-300-0140 terracon.com			







#### **APPENDIX B – TABLES, PROCEDURES, AND FIGURES**

		SOIL S	Cedar	TABLE 1 TICAL RESULTS - BTEX <sup>1</sup> Breaks LH St. 1 6" Steel racon Project No. KH2370	Line	1 TPH <sup>3</sup>			
			Ten	acon Project No. KH25/0	20		· ·	TPH (8015	(I)
Sample I.D.	Sample Depth	Sample Type	Sample Date	BTEX		Chloride	-	(mg/kg)	,
	(ft. bgs)			(mg/kg)		(mg/kg)	GRO	DRO	EXT DRO
				Initial Samples (On Pad)					
N 014	0.51	<u> </u>	00/00/00	Benzene -	<0.050			00 <del>7</del>	
N-SW	0-5'	Comp	03/29/23	Total BTEX -	<0.300	80.0	<10.0	39.7	<10.0
	0.5	Comm	02/20/22	Benzene -	<0.050	22.0	-10.0	404	47.0
E-SW	0-5'	Comp	03/29/23	Total BTEX -	<0.300	32.0	<10.0	101	17.8
	0.51	Comm	04/44/00	Benzene -	<0.050	-110.0	-10.0	-10.0	-10.0
E-SW1.2	0-5'	Comp	04/11/23	Total BTEX -	<0.300	<16.0	<10.0	<10.0	<10.0
0.014	0.51	0	00/00/00	Benzene -	<0.050	40.0			
S-SW	0-5'	Comp	03/29/23	Total BTEX -	<0.300	48.0	<10.0	98.1	<10.0
	0.51		0.4/4.4/00	Benzene -	<0.050				
S-SW 1.2	0-5'	Comp	04/11/23	Total BTEX -	<0.300	<16.0	<10.0	<10.0	<10.0
144 0144	0.51	-	00/00/00	Benzene -	<0.050	40.0		45.0	
W-SW	0-5'	Comp	03/29/23	Total BTEX -	<0.300	- 16.0	<10.0	15.8	<10.0
5004				Benzene -	<0.050			10.0	
FS01	5'	Comp	03/29/23	Total BTEX -	<0.300	32.0	<10.0	<10.0	<10.0
			Con	firmation Samples (On Pa					
				Benzene -	<0.050				
N-SW	0-5'	Comp	03/29/23			80.0	<10.0	39.7	<10.0
				Total BTEX -	<0.300				
N-SW1.3	0-5'	Comp	12/01/23	Benzene -		32.0	<10.0	<10.0	<10.0
				Total BTEX -					
E-SW1.2	0-5'	Comp	04/11/23	Benzene -	<0.050	<16.0	<10.0	<10.0	<10.0
				Total BTEX -					
E-SW1.3	0-5'	Comp	12/01/23	Benzene -	<0.050	<16.0	<10.0	<10.0	<10.0
				Total BTEX -	<0.300				
S-SW 1.2	0-5'	Comp	04/11/23	Benzene -	<0.050	<16.0	<10.0	<10.0	<10.0
				Total BTEX -	<0.300				
S-SW 1.3	0-5'	Comp	12/01/23	Benzene -	<0.050	<16.0	<10.0	<10.0	<10.0
0 011 1.0	00	oomp	12/01/20	Total BTEX -	<0.300	10.0	10.0	10.0	
W-SW	0-5'	Comp	03/29/23	Benzene -	<0.050	16.0	<10.0	15.8	<10.0
			00/20/20	Total BTEX -	<0.300	10.0	10.0	10.0	10.0
W-SW1.3	0-5'	Comp	12/01/23	Benzene -	<0.050	16.0	<10.0	<10.0	<10.0
		P		Total BTEX -					
FS01	5'	Comp	03/29/23	Benzene -	< 0.050	32.0	<10.0	<10.0	<10.0
				Total BTEX -	< 0.300				
FS01.3	5'	Comp	03/29/23	Benzene -	<0.050 <0.300	<16.0	<10.0	<10.0	<10.0
		tion Otomologia 4		- Total BTEX - Benzene -	<0.300 <b>10</b>				
	NMOCD Reclama Soils from the Surfa		Grade Surface)	- Benzene - Total BTEX -		600		100	
	Remediation and				10				
(Applicable fo	or Soils at Depths (		Below Grade	Total BTEX -		600		100	
	Surfa		analyzad by ED/						

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

#### New Mexico Office of the State Engineer Point of Diversion Summary

			IW 2=NE 3=SW 4=SE) nallest to largest)	(NAD83 UTM in meters)	
Well Tag	POD Number		Sec Tws Rng	X Y	
•	RA 11914 POD1		20 17S 30E	594801 3632002	9
Driller License	<b>e:</b> 1682	Driller Company:	HUNGRY HORS	E, LLC.	
Driller Name:	JOHN NORRIS				
Drill Start Date	e: 03/19/2013	Drill Finish Date:	03/19/2013	Plug Date:	
Log File Date:	04/09/2013	PCW Rcv Date:		Source:	Shallow
Pump Type:		Pipe Discharge S	ize:	Estimated Yiel	d:
Casing Size:		Depth Well:	85 feet	Depth Water:	80 feet

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

**APPENDIX C – PHOTOGRAPHIC LOG** 

Cedar Breaks LH 
Eddy County, New Mexico April 5, 2023 
Terracon Project No. KH227027





PHOTO 2: View of area after excavation

Responsive Resourceful Reliable

Cedar Breaks LH 
Eddy County, New Mexico April 5, 2023 
Terracon Project No. KH227027





PHOTO 3: View of area after excavation

#### **APPENDIX D – ANALYTICAL REPORT AND CHAIN OF CUSTODY**



April 04, 2023

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

RE: CEDAR BREAKS LH

Enclosed are the results of analyses for samples received by the laboratory on 03/30/23 9:55.

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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



#### Analytical Results For:

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

Received:	03/30/2023	Sampling Date:	03/29/2023
Reported:	04/04/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS LH	Sampling Condition:	Cool & Intact
Project Number:	KH237028	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

#### Sample ID: N - SW (H231459-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/31/2023	ND	2.14	107	2.00	6.99	
Toluene*	<0.050	0.050	03/31/2023	ND	2.19	109	2.00	7.52	
Ethylbenzene*	<0.050	0.050	03/31/2023	ND	2.14	107	2.00	5.61	
Total Xylenes*	<0.150	0.150	03/31/2023	ND	6.63	110	6.00	3.86	
Total BTEX	<0.300	0.300	03/31/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/03/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2023	ND	171	85.6	200	6.24	
DRO >C10-C28*	39.7	10.0	03/31/2023	ND	171	85.3	200	7.39	
EXT DRO >C28-C36	<10.0	10.0	03/31/2023	ND					
Surrogate: 1-Chlorooctane	94.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

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

Received:	03/30/2023	Sampling Date:	03/29/2023
Reported:	04/04/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS LH	Sampling Condition:	Cool & Intact
Project Number:	KH237028	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

#### Sample ID: E - SW (H231459-02)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/31/2023	ND	2.09	105	2.00	5.97	
Toluene*	<0.050	0.050	03/31/2023	ND	2.16	108	2.00	5.56	
Ethylbenzene*	<0.050	0.050	03/31/2023	ND	2.11	105	2.00	5.59	
Total Xylenes*	<0.150	0.150	03/31/2023	ND	6.55	109	6.00	5.59	
Total BTEX	<0.300	0.300	03/31/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/03/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/31/2023	ND	171	85.6	200	6.24	
DRO >C10-C28*	101	10.0	03/31/2023	ND	171	85.3	200	7.39	
EXT DRO >C28-C36	17.8	10.0	03/31/2023	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 9	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

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

Received:	03/30/2023	Sampling Date:	03/29/2023
Reported:	04/04/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS LH	Sampling Condition:	Cool & Intact
Project Number:	KH237028	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

#### Sample ID: S - SW (H231459-03)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/31/2023	ND	2.09	105	2.00	5.97	
Toluene*	<0.050	0.050	03/31/2023	ND	2.16	108	2.00	5.56	
Ethylbenzene*	<0.050	0.050	03/31/2023	ND	2.11	105	2.00	5.59	
Total Xylenes*	<0.150	0.150	03/31/2023	ND	6.55	109	6.00	5.59	
Total BTEX	<0.300	0.300	03/31/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/03/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2023	ND	210	105	200	2.20	
DRO >C10-C28*	98.1	10.0	03/30/2023	ND	235	117	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	03/30/2023	ND					
Surrogate: 1-Chlorooctane	97.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118 9	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

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

Received:	03/30/2023	Sampling Date:	03/29/2023
Reported:	04/04/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS LH	Sampling Condition:	Cool & Intact
Project Number:	KH237028	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

#### Sample ID: W - SW (H231459-04)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/31/2023	ND	2.09	105	2.00	5.97	
Toluene*	<0.050	0.050	03/31/2023	ND	2.16	108	2.00	5.56	
Ethylbenzene*	<0.050	0.050	03/31/2023	ND	2.11	105	2.00	5.59	
Total Xylenes*	<0.150	0.150	03/31/2023	ND	6.55	109	6.00	5.59	
Total BTEX	<0.300	0.300	03/31/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/03/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2023	ND	210	105	200	2.20	
DRO >C10-C28*	15.8	10.0	03/30/2023	ND	235	117	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	03/30/2023	ND					
Surrogate: 1-Chlorooctane	94.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

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

Received:	03/30/2023	Sampling Date:	03/29/2023
Reported:	04/04/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS LH	Sampling Condition:	Cool & Intact
Project Number:	KH237028	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

#### Sample ID: FS 01 (H231459-05)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/31/2023	ND	2.09	105	2.00	5.97	
Toluene*	<0.050	0.050	03/31/2023	ND	2.16	108	2.00	5.56	
Ethylbenzene*	<0.050	0.050	03/31/2023	ND	2.11	105	2.00	5.59	
Total Xylenes*	<0.150	0.150	03/31/2023	ND	6.55	109	6.00	5.59	
Total BTEX	<0.300	0.300	03/31/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/03/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/30/2023	ND	210	105	200	2.20	
DRO >C10-C28*	<10.0	10.0	03/30/2023	ND	235	117	200	7.72	
EXT DRO >C28-C36	<10.0	10.0	03/30/2023	ND					
Surrogate: 1-Chlorooctane	90.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### **Notes and Definitions**

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

### J С ato ries

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

#### Received by OCD: 1/9/2024 12:00:13 AM



April 18, 2023

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

RE: CEDAR BREAKS LH

Enclosed are the results of analyses for samples received by the laboratory on 04/11/23 12:25.

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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



#### Analytical Results For:

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

Received:	04/11/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS LH	Sampling Condition:	Cool & Intact
Project Number:	KH237028	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO - EDDY		

#### Sample ID: E - SW 1.2 (H231699-01)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	ND	1.94	96.9	2.00	6.09	
Toluene*	<0.050	0.050	04/14/2023	ND	2.07	104	2.00	5.84	
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.18	109	2.00	6.07	
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.73	112	6.00	6.47	
Total BTEX	<0.300	0.300	04/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/13/2023	ND	400	100	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2023	ND	184	91.9	200	3.86	
DRO >C10-C28*	<10.0	10.0	04/14/2023	ND	176	88.2	200	4.02	
EXT DRO >C28-C36	<10.0	10.0	04/14/2023	ND					
Surrogate: 1-Chlorooctane	103	48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

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

Received:	04/11/2023	Sampling Date:	04/11/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS LH	Sampling Condition:	Cool & Intact
Project Number:	KH237028	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO - EDDY		

#### Sample ID: S - SW 1.2 (H231699-02)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/14/2023	ND	1.94	96.9	2.00	6.09	
Toluene*	<0.050	0.050	04/14/2023	ND	2.07	104	2.00	5.84	
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.18	109	2.00	6.07	
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.73	112	6.00	6.47	
Total BTEX	<0.300	0.300	04/14/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	04/13/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/14/2023	ND	184	91.9	200	3.86	
DRO >C10-C28*	<10.0	10.0	04/14/2023	ND	176	88.2	200	4.02	
EXT DRO >C28-C36	<10.0	10.0	04/14/2023	ND					
Surrogate: 1-Chlorooctane	99.1	48.2-13	4						
Surrogate: 1-Chlorooctadecane	108 9	6 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### **Notes and Definitions**

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### **Received by OCD: 1/9/2024 12:00:13** AM

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CARDINA

**APPENDIX E – INITIAL C-141** 

Received by OCD: 1/9/2024 12:00:13 AM

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	nAPP2306238104
District RP	
Facility ID	
Application ID	

#### **Release Notification**

#### **Responsible Party**

Responsible Party Frontier Field Services, LLC	OGRID 221115
Contact Name Amber Groves	Contact Telephone 575-703-7992
Contact email agroves@durangomidstream.com	Incident # (assigned by OCD)
Contact mailing address 47 Conoco Rd, Maljamar NM 88264	

#### **Location of Release Source**

Latitude \_\_\_\_\_ 32.772053

(NAD 83 in decimal degrees to 5 decimal places)

Site Name Cedar Breaks LH St. 1 6" Steel Line	Site Type Pipeline
Date Release Discovered 3/2/2023	API# (if applicable)

Unit Letter	Section	Township	Range	County
М	2	18S	30E	Eddy

Surface Owner: State Federal Tribal Private (Name:

#### Nature and Volume of Release

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls) 1.53	Volume Recovered (bbls) 0
🛛 Natural Gas	Volume Released (Mcf) 111.55	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

External & Internal corrosion. Underground pipeline with soil impact.
Ceceived by OCD: 1/9/2024	12:00:13 AMate of New Mexico	0		Page 37 o
			Incident ID	nAPP2306238104
lage 2	Oil Conservation Divis	510n	District RP	
			Facility ID	
			Application ID	
Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the	e responsible party consider	this a major release	?
🗌 Yes 🖾 No				
	L			
	Initi	al Response		
The responsible	party must undertake the following actions imp	mediately unless they could create	e a safety hazard that wou	ld result in injury
$\square$ The source of the rele	ease has been stopped.			
The impacted area ha	s been secured to protect human heal	th and the environment		
	we been contained via the use of bern			nt devices.
$\square$ All free liquids and re	ecoverable materials have been remov	ved and managed appropria	ately.	
If all the actions described	d above have <u>not</u> been undertaken, ex	nlain why:		
		promi (fil).		
Der 10 15 20 9 D (4) NM			1 0 1	0 1 10 11 11
has begun, please attach a	AC the responsible party may common a narrative of actions to date. If rem t area (see $19.15.29.11(A)(5)(a)$ NM.	edial efforts have been such	ccessfully completed	1 or if the release occurred
regulations all operators are r public health or the environm failed to adequately investiga	mation given above is true and complete required to report and/or file certain relea- nent. The acceptance of a C-141 report by the and remediate contamination that pose a C-141 report does not relieve the opera	se notifications and perform c y the OCD does not relieve th e a threat to groundwater, surfa	orrective actions for re e operator of liability s ace water, human healt	leases which may endanger hould their operations have th or the environment. In
Printed Name: Amb	er Groves	Title: <u>Senior Enviror</u>	nmental Specialist	
Signature:	twore )	Date: <u>3/3/2023</u>		
email: <u>agroves@duran</u>	gomidstream.com	Telephone: <u>(575)703-7</u>	7992	
OCD Only				
Received by:		Date:		



### Gas Volume Release Report

	Gas Release Vol	ume Calculato	r i la companya da serie da s
Date:	3/2/2023		
Site or Line Name:	MAL-Cedar Breaks LH St1 6" Steel Line LP		
Area of Hole in Pipe:	0.25		square inches
Absolute Pressure:	70.2	psia - ab	osolute pressure (psia = psig gauge pressure + 14.7)
Duration of Release:	60.00	minutes	
Actual Temperature:	64.3		Degrees F
Representative Gas Analysis		Please attach or o	email a representative gas analysis
Constants			
Temperature at standard conditions:	60	Deg. F	
Pressure at standard conditions:	14.7	PSIA	
Volume of Gas - ACF	23.55	MACF	
Volume of Gas - SCF	111.55	MSCF	

Notes	
Entered by user	
Calculated Value	
Constant	



and the second se	PORTAGE STATISTICS	the second second second second second				
Contraction Street Contract Street	The subscription of the second s	No. of Concession, Name	Contraction of the second s	and a factor protocol and the		
						20192.E

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Liquid Release Volume Calculator							
Date: Site or Line Name:		3/2/2023 MAL-Cedar Breaks LH St1 6" Steel Line LP					
Soil Type	Porosity	Length	Width	Depth (.083 per inch)	Cubic Feet	Estimated Barrels	Soil Type
Clay	0.15				0	0.00	Clay
Sandy Clay	0.12				0	0.00	Sandy Clay
Silt	0.16				0	0.00	Silt
Fine Sand	0.16				0	0.00	Fine Sand
Medium Sand	0.25	10	5.4	0.415	22.41	1.00	Medium Sand
Coarse Sand	0.26				0	0.00	Coarse Sand
Gravely Sand	0.26				0	0.00	Gravely Sand
Fine Gravel	0.26				0	0.00	Fine Gravel
Medium Gravel	0.20				0	0.00	Medium Gravel
Coarse Gravel	0.18				0	0.00	Coarse Gravel
Sandstone	0.25				0	0.00	Sandstone
Siltstone	0.18				0	0.00	Siltstone
Limestone	0.13				0	0.00	Limestone
Basalt	0.19				0	0.00	Basalt
Standing Liquids	Х	6	6	0.083	2.988	0.53	Standing Liquids

Choose the one prevailing ground type for estimating spill volumes at a single location. Standing liquids are figured separately using the green cell.

Note that the depth should be measured in feet and tenths of feet (1 inch = .083)

Cubic Feet = L x W x D Estimated Barrels = ((Cubic Feet x Porosity) / 5.61) Received by OCD: 1/9/2024 12:00:13 AM State of New Mexico

**Oil Conservation Division** 

	Page 40 of 0.
Incident ID	nAPP2306238104
District RP	
Facility ID	
Application ID	

### Site Assessment/Characterization

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

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

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- X Field data
- **X** Data table of soil contaminant concentration data
- **x** Depth to water determination
- **x** Determination of water sources and significant watercourses within <sup>1</sup>/<sub>2</sub>-mile of the lateral extents of the release
- Boring or excavation logs
- X Photographs including date and GIS information
- Х Topographic/Aerial maps
- х 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.

Received by OCD: 1/9/2024	12:00:13 AM State of New Mexi	20		Page 41 of 62
			Incident ID	nAPP2306238104
Page 4	Oil Conservation Div	1810n	District RP	
			Facility ID	
			Application ID	
regulations all operators are r public health or the environm failed to adequately investiga addition, OCD acceptance of and/or regulations. Printed Name: Lupe Ca Signature: Lupe ( email: gcarrasco@du		ase notifications and perform of by the OCD does not relieve th se a threat to groundwater, surf rator of responsibility for comp	corrective actions for rele ne operator of liability sh face water, human health pliance with any other fe ironmental Speciali	eases which may endanger ould their operations have or the environment. In deral, state, or local laws
OCD Only				
Received by:		Date:		

Received by OCD: 1/9/2024 12:00:13 AM Form C-141 State of New Mexico

Incident ID	nAPP2306238104
District RP	
Facility ID	
Application ID	

### **Remediation Plan**

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

Х	Detailed description of proposed remediation technique	;
---	--	---

**X** Scaled sitemap with GPS coordinates showing delineation points

**X** Estimated volume of material to be remediated

Page 5

X Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC

X Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

<b>Deferral Requests Only:</b> Each of the following items must be conf	firmed as part of any request for deferral of remediation.		
Contamination must be in areas immediately under or around prodeconstruction.	duction equipment where remediation could cause a major facility		
Extents of contamination must be fully delineated.			
Contamination does not cause an imminent risk to human health,	the environment, or groundwater.		
I hereby certify that the information given above is true and complete rules and regulations all operators are required to report and/or file ce which may endanger public health or the environment. The acceptan liability should their operations have failed to adequately investigate surface water, human health or the environment. In addition, OCD are responsibility for compliance with any other federal, state, or local la	ertain release notifications and perform corrective actions for releases ce of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, cceptance of a C-141 report does not relieve the operator of		
Printed Name: Lupe Carrasco	Title: Sr. Environmental Specialist		
Signature: Lupe Carrasco	Date: <u>6/16/23</u>		
email: gcarrasco@durangomidstream.com	Telephone: 575-725-0787		
OCD Only			
Received by:	Date:		
Approved Approved with Attached Conditions of A	Approval Denied Deferral Approved		
Signature: I	Date:		

•

Page 6

Oil Conservation Division

Incident ID	nAPP2306238104
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.

<u>Closure Report Attachment Checklist</u>: Each of the following items must be included in the closure report.

X A scaled site and sampling diagram as described in 19.15.29.11 NMAC

X 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)

I Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

x 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: Lupe Carrasco	Title: Sr. Environmental Specialist
	Date:6/16/23
email: gcarrasco@durangomidstream.com	durangomidstream.com       Telephone: 575-725-0787
OCD Only	
Received by:	Date:
	water, human health, or the environment nor does not relieve the responsible
Closure Approved by:	Date:
Printed Name:	Title:

•

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

### Standard of Care

Terracon's services were performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same time. Terracon makes no warranties, either express or implied, regarding the findings, conclusions, or recommendations. Please note that Terracon does not warrant the work of laboratories, regulatory agencies, or other third parties supplying information used in the preparation of the report. These services were performed in accordance with the scope of work agreed with you, Durango Midstream LLC, as reflected in our proposal (PKH227021).

### Additional Scope Limitations

The development of this Amended RAP is based upon information provided by the Client and Terracon's remediation and construction services line. Such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, nondetectable, or not present during these services. We cannot represent that the site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those by information provided by the Client. The data, interpretations, findings, and recommendations are based solely upon reformation executed within the scope of these services.

### Reliance

This report has been prepared for the exclusive use of Durango Midstream LLC, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the site) is prohibited without the express written authorization of Durango Midstream LLC and Terracon. Any unauthorized distribution or reuse is at Durango Midstream LLC sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions, and limitations stated in the proposal and Durango Midstream LLC and Terracon's Master Services Agreement. The limitation of liability defined in the terms and conditions is the aggregate limit of Terracon's liability to Durango Midstream LLC and all relying parties unless otherwise agreed in writing.



December 06, 2023

JOSEPH GUESNIER TERRACON CONSULTANTS 5827 50TH ST. SUITE 1

LUBBOCK, TX 79424

RE: CEDAR BREAKS LH

Enclosed are the results of analyses for samples received by the laboratory on 12/01/23 13:25.

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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



### Analytical Results For:

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

Received:	12/01/2023	Sampling Date:	12/01/2023
Reported:	12/06/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS LH	Sampling Condition:	Cool & Intact
Project Number:	KH237028	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO - EDDY		

### Sample ID: N SW 01.3 (H236467-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	12/04/2023	ND	2.02	101	2.00	1.52	
Toluene*	<0.050	0.050	12/04/2023	ND	2.00	100	2.00	0.386	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.00	99.9	2.00	0.250	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	5.90	98.3	6.00	0.317	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	32.0	16.0	12/04/2023	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	<10.0	10.0	12/04/2023	ND	215	108	200	2.48	
DRO >C10-C28*	<10.0	10.0	12/04/2023	ND	213	107	200	3.16	
EXT DRO >C28-C36	<10.0	10.0	12/04/2023	ND					
Surrogate: 1-Chlorooctane	86.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.3	% 49.1-14	o						

### Cardinal Laboratories

### \*=Accredited Analyte

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Received:	12/01/2023	Sampling Date:	12/01/2023
Reported:	12/06/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS LH	Sampling Condition:	Cool & Intact
Project Number:	KH237028	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO - EDDY		

### Sample ID: S SW 01.3 (H236467-02)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	2.02	101	2.00	1.52	
Toluene*	<0.050	0.050	12/04/2023	ND	2.00	100	2.00	0.386	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.00	99.9	2.00	0.250	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	5.90	98.3	6.00	0.317	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/04/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	ND	215	108	200	2.48	
DRO >C10-C28*	<10.0	10.0	12/04/2023	ND	213	107	200	3.16	
EXT DRO >C28-C36	<10.0	10.0	12/04/2023	ND					
Surrogate: 1-Chlorooctane	90.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

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### \*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Received:	12/01/2023	Sampling Date:	12/01/2023
Reported:	12/06/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS LH	Sampling Condition:	Cool & Intact
Project Number:	KH237028	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO - EDDY		

### Sample ID: E SW 01.3 (H236467-03)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	2.02	101	2.00	1.52	
Toluene*	<0.050	0.050	12/04/2023	ND	2.00	100	2.00	0.386	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.00	99.9	2.00	0.250	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	5.90	98.3	6.00	0.317	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/04/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	ND	215	108	200	2.48	
DRO >C10-C28*	<10.0	10.0	12/04/2023	ND	213	107	200	3.16	
EXT DRO >C28-C36	<10.0	10.0	12/04/2023	ND					
Surrogate: 1-Chlorooctane	100 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Received:	12/01/2023	Sampling Date:	12/01/2023
Reported:	12/06/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS LH	Sampling Condition:	Cool & Intact
Project Number:	KH237028	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO - EDDY		

### Sample ID: W SW 01.3 (H236467-04)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	2.02	101	2.00	1.52	
Toluene*	<0.050	0.050	12/04/2023	ND	2.00	100	2.00	0.386	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.00	99.9	2.00	0.250	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	5.90	98.3	6.00	0.317	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/04/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	ND	215	108	200	2.48	
DRO >C10-C28*	<10.0	10.0	12/04/2023	ND	213	107	200	3.16	
EXT DRO >C28-C36	<10.0	10.0	12/04/2023	ND					
Surrogate: 1-Chlorooctane	85.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.9	% 49.1-14	8						

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### \*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Received:	12/01/2023	Sampling Date:	12/01/2023
Reported:	12/06/2023	Sampling Type:	Soil
Project Name:	CEDAR BREAKS LH	Sampling Condition:	Cool & Intact
Project Number:	KH237028	Sample Received By:	Tamara Oldaker
Project Location:	DURANGO - EDDY		

### Sample ID: FS 01.3 (H236467-05)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	2.02	101	2.00	1.52	
Toluene*	<0.050	0.050	12/04/2023	ND	2.00	100	2.00	0.386	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.00	99.9	2.00	0.250	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	5.90	98.3	6.00	0.317	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/04/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2023	ND	215	108	200	2.48	
DRO >C10-C28*	<10.0	10.0	12/04/2023	ND	213	107	200	3.16	
EXT DRO >C28-C36	<10.0	10.0	12/04/2023	ND					
Surrogate: 1-Chlorooctane	89.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.4	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

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

### Cardinal Laboratories

### \*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

### oratories U

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

## 101 East Marland, Hobbs, NM 88240

	(575) 393-2326 FAX (575) 393-2476	(575) 393-24	.76																												
Company Name:	: Terracon											81	BILL TO						ANALYSIS	F	SIS		B	REQUEST	ST						
Project Manager	Project Manager: Joseph Guesnier								Р.	P.O. #:	#												-					-			_
Address: 4518 W. Perice Street	W. Perice Street								S	m	Company:	·	Terracon	'n																	
City: Carlsbad	0	State: NM	Zip:	88220	20				A	Attn:		950	Joseph Gu	Guesnier	(management)																-
Phone #: 8065077057		Fax #:							A	idre	Address:																			_	-
Project #: KH	23,7028 Pr	Project Owner:							Ω	City:											_										-
Project Name: (	edar Breaks								St	State:			Zip:																		
Project Location:	Edd								P	nor	Phone #:				00)	_	B)														-
Sampler Name:	Travis Casey								F	Fax #:					d45		021														-
FOR LAB USE ONLY			Ρ.		-	Ň	MATRIX	- ×		Ŗ	- ESI	PRESERV.	SAM	SAMPLING	letho	8015	hod 8														
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Relinquished By:		Date: Time:	Received By:	eive	d B	<del>ה</del>								REMARKS:	and the second	joesph.guesnier@terracon.com; travis.casey@terracon.com; austin.worfey@terracon.com; michael.adams@terracon.com	.guesnier@terracon.com; travis.casey@terracon.com; worley@terracon.com; michael.adams@terracon.com	erracon acon.co	)m; m	trav	el.ad	ams	@ter @te	raco	n.co	m,					
Delivered By: (Circle One) Sampler - UPS - Bus - Other		Observed Temp. °C	2.2	~	Sample Condition	Sample Condition	Int	NCT I	ion	0	유	(Initials)	(Initials)	Turnaround Time:	d Tim	e:	Standard Rush	ard			Bacteria (on Cool Intact	a (o	nly)	San	sen	Bacteria (only) Sample Condition Cool Intact Observed Temp.	ditic	ample Condition Observed Temp. °C			
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Received by OCD: 1/9/2024 12:00:13 AM

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

### Page 52 of 62

### Casey, Travis

From:	Wells, Shelly, EMNRD <shelly.wells@emnrd.nm.gov></shelly.wells@emnrd.nm.gov>
Sent:	Tuesday, November 28, 2023 4:17 PM
То:	Casey, Travis
Cc:	Guesnier, Joseph R; Guadalupe Carrasco; Wells, Shelly, EMNRD; Bratcher, Michael, EMNRD
Subject:	RE: [EXTERNAL] Cedar Breaks LH St. #1 6" Steel/nAPP2306238104

Good evening Travis,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

Shelly Wells \* Environmental Specialist-Advanced Environmental Bureau EMNRD-Oil Conservation Division 1220 S. St. Francis Drive | Santa Fe, NM 87505 (505)469-7520 | Shelly.Wells@emnrd.nm.gov http://www.emnrd.state.nm.us/OCD/

From: Casey, Travis <Travis.Casey@terracon.com>
Sent: Tuesday, November 28, 2023 3:40 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Guesnier, Joseph R <Joseph.Guesnier@terracon.com>; Guadalupe Carrasco <gcarrasco@durangomidstream.com>
Subject: [EXTERNAL] Cedar Breaks LH St. #1 6" Steel/nAPP2306238104

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

Good afternoon,

This is a 48hr notice of confirmation sampling for Cedar Breaks LH St. #1 6" Steel/nAPP2306238104 which will be conducted on December 1<sup>st</sup>, 2023 between 10am & 3pm.

Please contact Travis Casey at (575) 689-5949 or Joseph Guesnier (806) 544-9276 if there are any questions.

Thank you,

Travis Casey

Sr. Staff Scientist Project Manager



4526 W Pierce St, NM 88220 D (806) 507-7057I M (575) 689-5949 <u>Travis.Casey@terracon.com</u> I <u>Terracon.com</u>



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

QUESTIONS

Action 301169

QUESTIO	NS
Operator:	OGRID:
FRONTIER FIELD SERVICES, LLC	221115
10077 Grogans Mill Rd.	Action Number:
The Woodlands, TX 77380	301169
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2306238104
Incident Name	NAPP2306238104 CEDAR BREAKS LH ST. 1 STEEL LINE @ 0
Incident Type	Natural Gas Release
Incident Status	Remediation Closure Report Received

### Location of Release Source

Please answer all the questions in this group.	
Site Name	CEDAR BREAKS LH ST. 1 STEEL LINE
Date Release Discovered	03/02/2023
Surface Owner	State

### Incident Details

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

### Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission. Not answered. Crude Oil Released (bbls) Details

Cidde Oil Meleased (bbis) Details	Not answered.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Cause: Corrosion   Pipeline (Any)   Condensate   Released: 2 BBL   Recovered: 0 BBL   Lost: 2 BBL.
Natural Gas Vented (Mcf) Details	Cause: Corrosion   Pipeline (Any)   Natural Gas Vented   Released: 112 MCF   Recovered: 0 MCF   Lost: 112 MCF.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

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**QUESTIONS** (continued)

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QUESTIONS

Initial Response

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	Yes, according to supplied volumes this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e	gas only) are to be submitted on the C-129 form.

The responsible party must undertake the following actions immediately unless they could create a s	afety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
hander and frishes the information since above is two and as wellate to the bast of world	recorded as and understand that museum the OCD vides and requisitions all an archere are nearly
to report and/or file certain release notifications and perform corrective actions for relea the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or

	Name: Guadalupe Carrasco
I hereby agree and sign off to the above statement	Title: Sr. Environmental Specialist
	Email: gcarrasco@durangomidstream.com
	Date: 01/08/2024

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

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Action 301169

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 QUESTIONS (continued)

 Operator:
 FRONTIER FIELD SERVICES, LLC
 0GRID:

 10077 Grogans Mill Rd.
 Action Number:
 301169

 The Woodlands, TX 77380
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 [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 75 and 100 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Νο

### Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date. Requesting a remediation plan approval with this submission Yes Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC. Have the lateral and vertical extents of contamination been fully delineated Yes Was this release entirely contained within a lined containment area No Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.) Chloride (EPA 300.0 or SM4500 CI B) 80 TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M) 118.8 GRO+DRO (EPA SW-846 Method 8015M) 17.8 BTEX (EPA SW-846 Method 8021B or 8260B) 0 (EPA SW-846 Method 8021B or 8260B) Benzene 0 Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation. On what estimated date will the remediation commence 03/29/2023 On what date will (or did) the final sampling or liner inspection occur 12/01/2023 On what date will (or was) the remediation complete(d) 03/29/2023 What is the estimated surface area (in square feet) that will be reclaimed 100 What is the estimated volume (in cubic yards) that will be reclaimed 20 What is the estimated surface area (in square feet) that will be remediated 100 What is the estimated volume (in cubic yards) that will be remediated 20 These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed. The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required

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

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QUESTIONS (continued)	
Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115 Action Number: 301169 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	
Remediation Plan (continued) Please answer all the questions that apply or are indicated. This information must be provided to This remediation will (or is expected to) utilize the following processes to remean (Select all answers below that apply.)	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Execution and on site remediation (i.e. On Site Land Farme)	

(cavation and on-site remediation (i.e. On-Site Land Farms) Situ) E No (In Situ) Soil Vapor Extraction No (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.) No (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.) No (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.) No Ground Water Abatement pursuant to 19.15.30 NMAC No OTHER (Non-listed remedial process) No Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation 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. Name: Guadalupe Carrasco Title: Sr. Environmental Specialist I hereby agree and sign off to the above statement Email: gcarrasco@durangomidstream.com Date: 01/08/2024

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

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QUESTIONS (continued)	
Operator: FRONTIER FIELD SERVICES, LLC	OGRID: 221115
10077 Grogans Mill Rd. The Woodlands, TX 77380	Action Number: 301169
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of	the following items must be confirmed as part of any request for deferral of remediation.
Requesting a deferral of the remediation closure due date with the approval of this submission	Νο

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

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**QUESTIONS** (continued)

Operator:	OGRID:
FRONTIER FIELD SERVICES, LLC	221115
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The Woodlands, TX 77380	301169
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	301163
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/01/2023
What was the (estimated) number of samples that were to be gathered	5
What was the sampling surface area in square feet	100

**Remediation Closure Request** 

Only answer the questions in this group if seeking remediation closure for this release because all r	emediation steps have been completed.
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	100
What was the total volume (cubic yards) remediated	20
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	100
What was the total volume (in cubic yards) reclaimed	20
Summarize any additional remediation activities not included by answers (above)	None
	closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of
to report and/or file certain release notifications and perform corrective actions for release the OCD does not relieve the operator of liability should their operations have failed to water, human health or the environment. In addition, OCD acceptance of a C-141 report	knowledge and understand that pursuant to OCD rules and regulations all operators are required ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or ially restore, reclaim, and re-vecetate the impacted surface area to the conditions that existed

local laws and/or regulations. The responsible party acknowledges they must substantia	ally restore, reclaim, and re-vegetate the impacted surface area to the conditions that exi
prior to the release or their final land use in accordance with 19.15.29.13 NMAC includin	g notification to the OCD when reclamation and re-vegetation are complete.

Date: 01/08/2024	I hereby agree and sign off to the above statement	Name: Guadalupe Carrasco Title: Sr. Environmental Specialist Email: gcarrasco@durangomidstream.com Date: 01/08/2024
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### **State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. Santa Fe, NM 87505

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**QUESTIONS** (continued) Operator: OGRID: FRONTIER FIELD SERVICES, LLC 221115 10077 Grogans Mill Rd. Action Number: The Woodlands, TX 77380 301169 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure) QUESTIONS

Reclamation Report Only answer the questions in this group if all reclamation steps have been completed. Requesting a reclamation approval with this submission No

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

CONDITIONS

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CONDITIONS

Operator:	OGRID:
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10077 Grogans Mill Rd.	Action Number:
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	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

### CONDITIONS

Created By Condition Condition Date scwells 1/10/2024 None