Received by OCD: 11/3/2022 8:46:42 AM

Form C-141 Page 6

State of New Mexico Oil Conservation Division

Incident ID	nAPP2223829555
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: <u>Remediation Specialist</u>
Signature:	Date: 11 2 2022
email:agroves@durangomidstream.com Te	elephone: <u>575-703-7992</u>
OCD Only	
Received by: <u>Robert Hamlet</u>	Date: 1/13/2023
	of liability should their operations have failed to adequately investigate and vater, human health, or the environment nor does not relieve the responsible r regulations.
Closure Approved by: <u>Robert Hamlet</u>	Date: 1/13/2023
Printed Name: <u>Robert Hamlet</u>	Title: <u>Environmental Specialist - Advance</u> d



Delineation Summary and Closure Request

Frontier Field Services, LLC Sherrell 4" Steel Pipeline Eddy County, New Mexico Unit Letter "N", Section 31, Township 17 South, Range 26 East Latitude 32.787732 North, Longitude 104.421794 West NMOCD Incident # nAPP2223829555

Prepared For:

Frontier Field Services, LLC 47 Conoco Rd Maljamar, NM 88264

Prepared By:

Hungry Horse, LLC 4024 Plains Hwy Lovington, NM 88260 Office: (575) 393-3386

October 2022

Bradley Wells

Bradley Wells Project Manager bwells@hungry-horse.com

Daniel Domingue

Environmental Manager ddominguez@hungry-horse.com

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Attachment I – Karst and Wetland Maps Attachment II – NMOCD Correspondence Attachment III – Site Photographs Attachment IV – Depth to Groundwater Attachment V – Field Data Attachment VI – Laboratory Analytical Reports Attachment VII – NMOCD Form Initial C-141 Received by OCD: 11/3/2022 8:46:42 AM

Form C-141 Page 6

State of New Mexico Oil Conservation Division

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Printed Name: Amber Groves	Title: <u>Remediation Specialist</u>
Signature:	Date: 11 2 3033
email:agroves@durangomidstream.com	Telephone: <u>575-703-7992</u>
OCD Only	Ŷ.
Received by:	Date:
	le party of liability should their operations have failed to adequately investigate and surface water, human health, or the environment nor does not relieve the responsible ws and/or regulations.
Closure Approved by:	Date:
Printed Name:	Title:

Received by OCD: 11/3/2022 8:46:42 AM



The following *Delineation Summary and Closure Request* serves as a condensed update on field activities undertaken at the afore referenced Site.

Background:

The site is located in Unit Letter N (SE/SW), Section 31, Township 17 South, Range 26 East, approximately 4 miles South of Artesia, in Eddy County, New Mexico. The property is privately owned. Topographic Map, OSE POD Locations Map, and USGS Well Locations Map are included as Figure 1, Figure 2, and Figure 3, respectively.

The release occurred on an active sweet gas pipeline; Latitude 32.787732 North, Longitude 104.421794 West. The Initial NMOCD Form C-141 indicated that on August 25, 2022 approximately 236.97 Mcf of natural gas were released due to internal corrosion on the pipeline. No fluid was released. A crew was dispatched to the release site and the line was repaired. Previously submitted pages of the NMOCD Form C-141 are available on the NMOCD Imaging System. NMOCD Form Initial C-141 is also included as Attachment VII.

NMOCD Site Classification:

A search of the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) groundwater databases was completed in an effort to determine the horizontal distance to known water sources within a half mile radius of the Release Site. Approximate depth to groundwater was determined using maintained and published water well data. Karst mapping indicates the site is not located in a Karst designated area. Karst and Wetland Maps are provided as Attachment I. Depth to groundwater information is provided as Attachment IV and the results are depicted on Figures 2 & 3.

Five water wells were located within a half mile of the release area with four of the five wells water data logged at twenty-five years or older. However, the depth to water at well RA 11047 POD1 is listed at 153 feet bgs, logged in December 2006. Utilizing this information, the NMOCD Closure Criteria for the Site were determined as follows:

Depth to Groundwater	Constituent	Method	Limit
	Chloride	EPA 300.0 or SM4500 CLB	20,00 mg/kg
	TPH (GRO + DRO + MRO)	EPA SW-846 Method 8015M Ext	2,500 mg/kg
>100'	GRO + DRO	EPA SW-846 Method 8015M Ext	1,000 mg/kg
	BTEX	EPA SW-846 Methods 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Methods 8021B or 8260B	10 mg/kg



Delineation Activities:

On September 22, 2022, Hungry Horse personnel arrived at the release location and conducted an initial site assessment and sampling event. During the initial site assessment, it was noted that no fluid had been released, and no apparent staining from a release could be located. During the sampling event, a single hand augered soil bore was advanced at the release location in an effort to determine vertical extent of contamination. During the advancement of the soil bore, soil samples were collected at one-foot intervals and field screened for the presence of chloride concentrations utilizing a Hanna instruments[®] DiST[®] 4 EC tester.

Based on field observations and field test data noted above and provided in Attachment V, two representative soil samples were selected for laboratory analysis. Delineation soil sample SP1 Surface and SP1 3', were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples.

On October 6, 2022, Hungry Horse personnel returned to the release location to collect additional samples from the initial sample location. Soil samples SP1 1', SP1 2', and SP1 4', were collected and submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples.

On October 25, 2022, in an effort to more fully delineate the release area, Hungry Horse personnel returned to the release location to collect samples from a second sample location. Soil samples SP2 Surf through SP2 4', were collected and submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples.

As laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria, and no fluid was released during the release event, it was determined that no remediation of the area was required. A Delineation Sample Map is provided as Figure 4. A Summary of Soil Sample Laboratory Analytical Results is provided as Table 1 and Laboratory Analytical Reports are provided as Attachment VI.

Restoration, Reclamation, and Re-Vegetation:

Based upon laboratory analytical results from confirmation soil samples, the release area was not excavated. As the area was not affected by fluid release or remediation activities, no seeding of the location will be needed.

Closure Request:

Delineation activities were conducted in accordance with applicable NMOCD Regulations. Laboratory analytical results from confirmation samples indicate concentrations of BTEX, TPH, and chloride are below the NMOCD Closure Criteria.

Based on laboratory analytical results, Frontier Field Services, LLC respectfully requests closure of the Sherrell 4" Steel Pipeline location, nAPP2223829555.

Limitations:

Hungry Horse, LLC, has prepared this *Delineation Summary and Closure Request* to the best of its ability. No other warranty, expressed or implied, is made or intended. Hungry Horse has examined and relied upon documents referenced in the report and on oral statements made by certain individuals. Hungry Horse has not conducted an independent examination of the facts contained in referenced materials and statements. Hungry Horse has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Hungry Horse notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.



Distribution:

Frontier Field Services, LLC 47 Conoco Rd. Maljamar, NM 88264

New Mexico Energy, Minerals and Natural Resources Department Oil Conservation Division, District 2 811 S. First St. Artesia, NM 88210

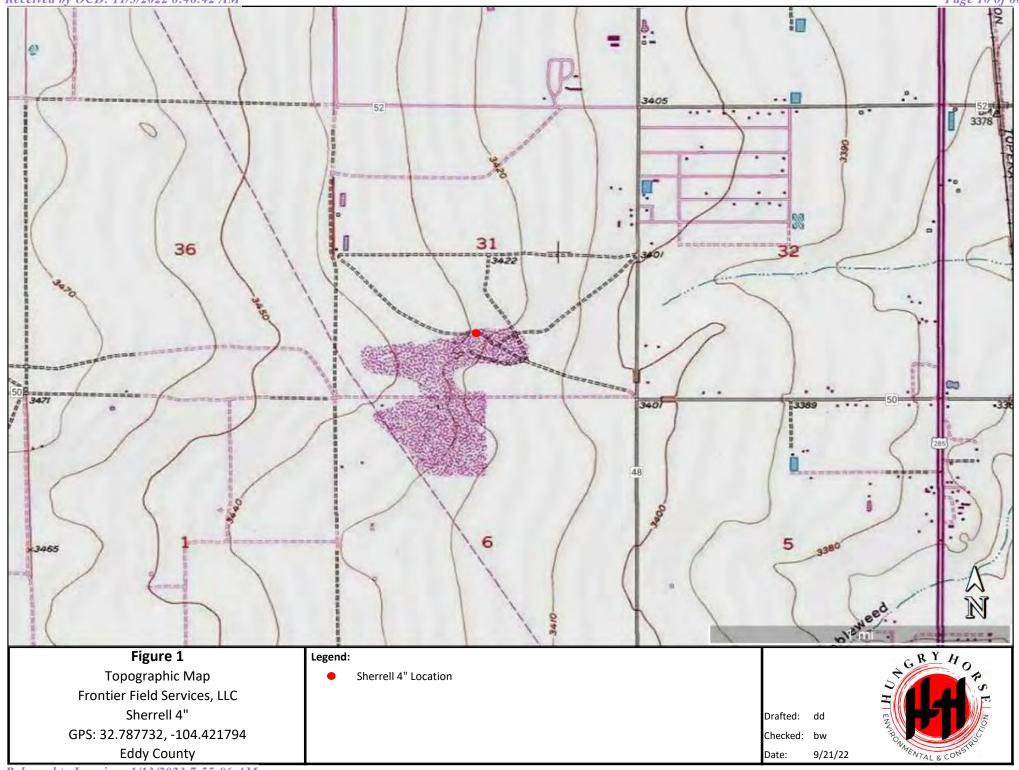
John Palomo 1595 Ardenwood Dr San Jose, CA 95129

•

Figures

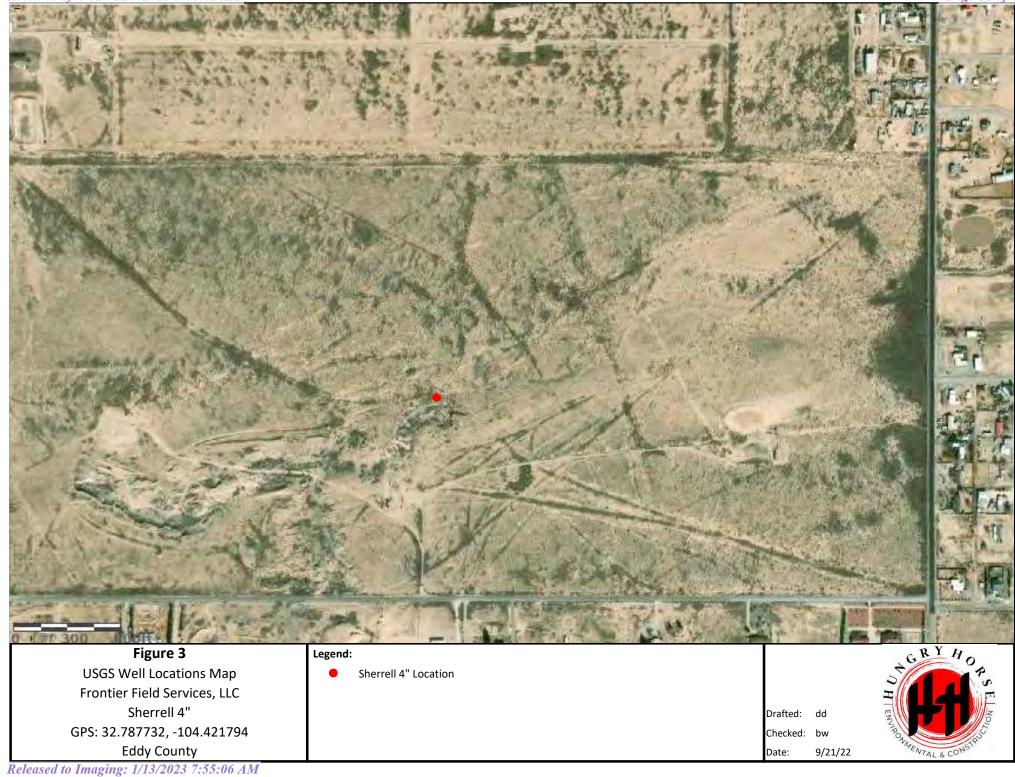
Received by OCD: 11/3/2022 8:46:42 AM

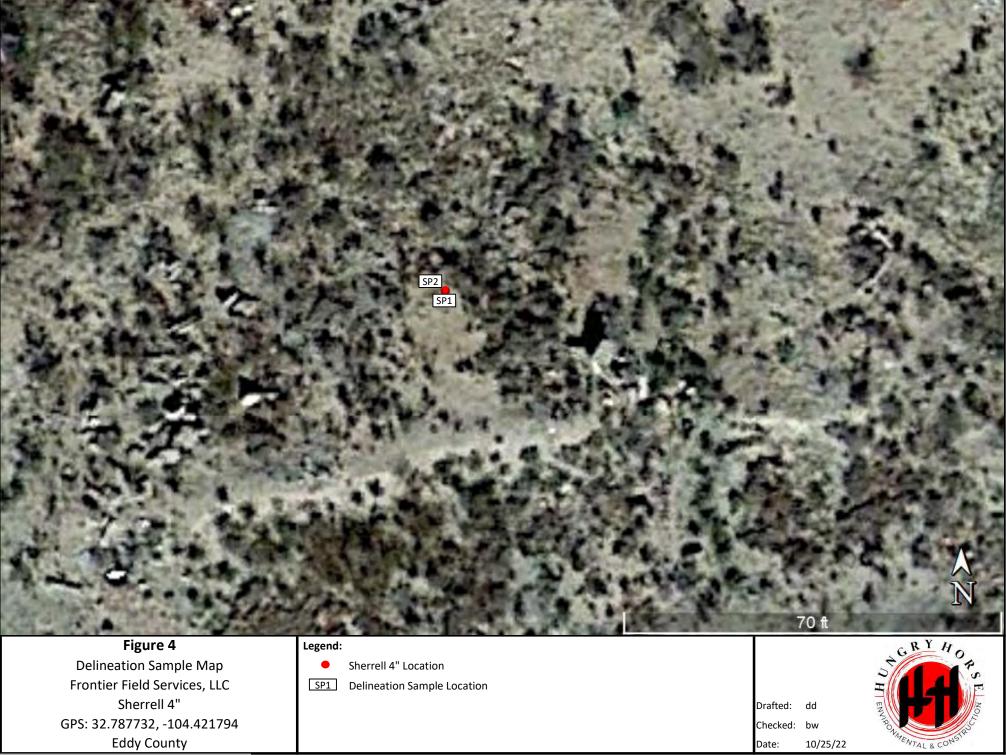
Page 10 of 60





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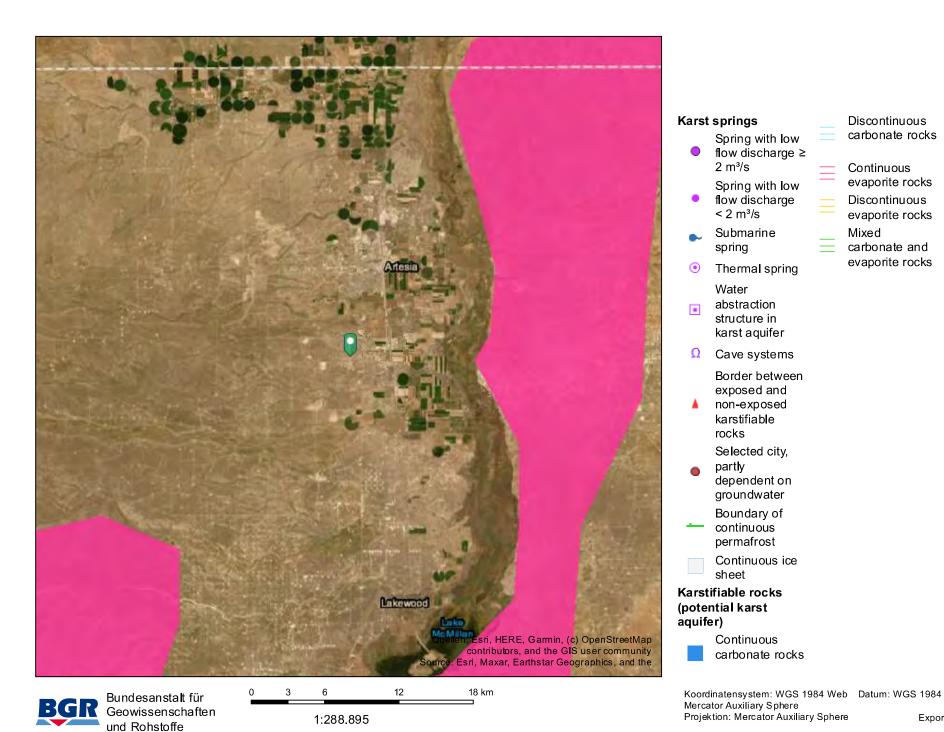
Table

TABLE 1 Summary of Soil Sample Laboratory Analytical Results Frontier Field Services, LLC Sherrell 4" NMOCD Ref. #: nAPP2223829555

Sample ID	Date	Depth (ft)	Soil Status	Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
	9/22/22	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	10/6/22	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SP1	10/6/22	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
	9/22/22	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	10/6/22	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
	10/25/22	Surf	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
	10/25/22	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SP2	10/25/22	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
	10/25/22	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
	10/25/22	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NMOCD	NMOCD Closure Criteria					-	-	N/A	-	100	600

.

Attachment I Karst and Wetland Maps



- Discontinuous carbonate rocks
- Continuous evaporite rocks
- Discontinuous evaporite rocks Mixed
- carbonate and evaporite rocks

Exportdatum: 28.09.2022



S. FISH and	wildlife Service	
lational	Wetlands	Inventory

Sherrell 4"



September 28, 2022

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland Freshwater Forested/Shrub Wetland

Freshwater Pond



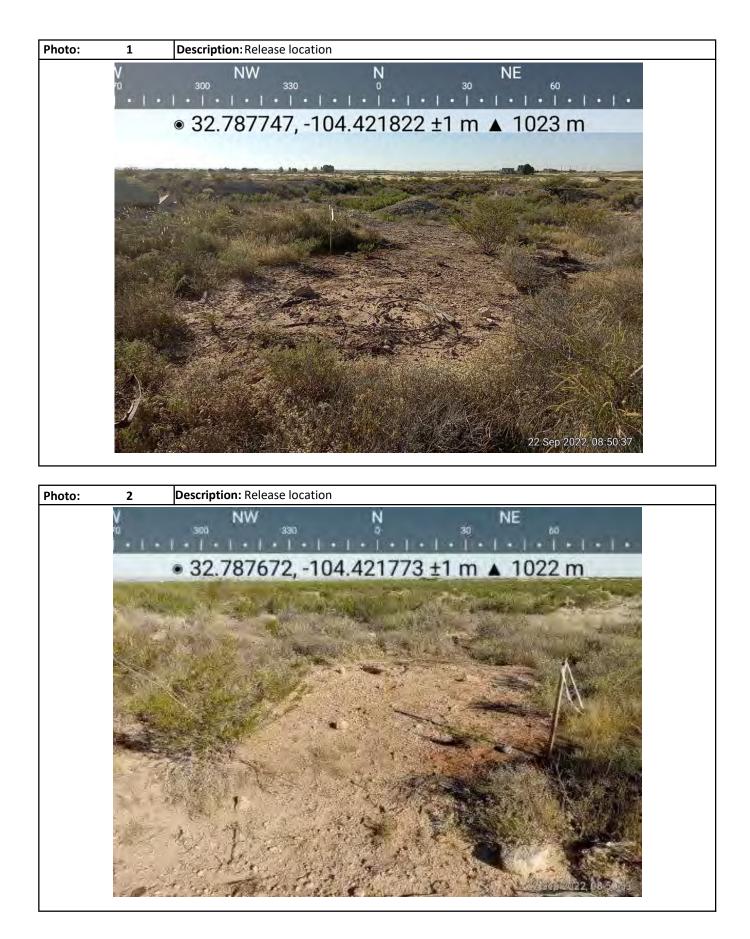
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

•

Attachment II NMOCD Correspondence

No documented correspondence.

Attachment III Site Photographs



Attachment IV Depth to Groundwater

New Mexico Office of the State Engineer Wells with Well Log Information

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right	(R=POI been rep O=orpha C=the fi closed)	olaced, aned,	(quar	ters are 1=] (quarters					(NAD8	3 UTM in meters)				(in fe	et)		
POD Number RA 08991 POD1	Code	POD Subbasin RA	County ED	Source	999 64164	Sec		Rng	X 554293	Y 3627438	Distance Start Date 488 05/25/1995	Finish Date 05/28/1995	Log File Date 06/02/1995	,	Depth Water	Driller OSBOURN DRILLING & PUMP CO	License Number 353
RA 11047 POD1		RA	ED	Shallow	1 1 2	06	185	26E	554293	3627437*	489 12/09/2006	12/15/2006	12/27/2006	218	153	HAMMOND, MARK	1400
<u>RA 09303</u>		RA	ED	Shallow	2 1 2	06	18S	26E	554493	3627437* 🦲	583 01/12/1997	01/15/1997	01/22/1997	230	150	MARTIN WATER WELL DRILLING	1064
<u>RA 10135</u>		RA	ED	Shallow	4 1 2	06	18S	26E	554493	3627237* 🌍	752 11/24/2001	12/20/2001	12/20/2001	250	75	MARTIN, DELFORD	1064
<u>RA 04145</u>		RA	ED	Shallow	1 1 1	06	18S	26E	553492	3627435* 🌍	801 01/19/1960	02/10/1960	02/25/1960	201	119		
Record Count: 5																	
UTMNAD83 Rad	ius Searc	<u>ch (in mete</u>	<u>rs):</u>														
Easting (X): 5	54142.9	5		Northing	; (Y):	36279	03.24	ļ		Radius: 805	5						
*UTM location was derive	ed from P	LSS - see He	elp														

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 for any particular purpose of the data.

9/30/22 12:46 PM

WELLS WITH WELL LOG INFORMATION



			(quarters	are 1=N	W 2=]	NE 3=S	W 4=SE)					
			(quarter	s are sma	allest t	o larges	t)	(NAD83 UT	M in meters)			
Well Tag	POD	Number	Q64 Q	16 Q4	Sec	Tws	Rng	Х	Y			
	RA	08991 POD1	1	1 2	06	18S	26E	554293	3627438	9		
Driller Lic	ense:	353	Driller C	ompa	ny:	OS	BOURN	DRILLING	& PUMP C	0.		
Driller Na	me:	OSBOURN DRI	LLING & PU	MP CC)							
Drill Start	Date:	05/25/1995	Drill Fin	ish Da	te:	0	5/28/199	95 Plu	g Date:			
Log File D	ate:	06/02/1995	PCW Rc	v Date	:			Sou	irce:	Shallow		
Pump Typ	Pump Type:			charge	Size	:		Estimated Yield:				
Casing Siz	ze:		Depth W	ell:		2	10 feet	Dej	pth Water:	150 feet		
x	Wate	er Bearing Stratif	ications:	То	p B	ottom	Descr	iption				
				18	39	200	Sands	tone/Gravel/	Conglomerat	e		
х		Casing Pert	forations:	To	p B	ottom	l					
				16	55	205						

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.

9/30/22 12:42 PM



			(quarte	ers are 1=1	NW 2=	NE 3=S				
			(quar	ters are sn	nallest	to larges	t)	(NAD83 U	TM in meters)	
Well Tag	POD	Number	Q64	Q16 Q4	Sec	Tws	Rng	Χ	Y	
	RA	11047 POD1	1	1 2	06	18S	26E	554293	3627437*	9
× Driller Lic	ense:	1400	Driller	· Compa	iny:	SO	UTHEA	ST DRILL	ING COMPA	NY
Driller Na	me:	HAMMOND, M	ARK							
Drill Start	Date:	12/09/2006	Drill F	'inish Da	ate:	1	2/15/200)6 P I	ug Date:	
Log File D	ate:	12/27/2006	PCW I	Rcv Dat	e:			So	urce:	Shallow
Pump Type:			Pipe D	ischarg	e Size	e:	Es	timated Yiel	d: 15 GPM	
Casing Siz	æ:	6.63	Depth	Well:		218 feet			epth Water:	153 feet
х	Wate	er Bearing Stratif	fications:	Т	op I	Bottom	Descr	iption		
				1	73	200	Sands	tone/Grave	l/Conglomera	te
х		Casing Per	Т	op I	Bottom	L				
				1	59	218				

*UTM location was derived from PLSS - see Help

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

9/30/22 12:43 PM



			(quarte	rs are 1=N	W 2=]	NE 3=S				
			(quart	ers are sm	allest t	to larges	t)	(NAD83 U	TM in meters)	
Well Tag	POD	Number	Q64 (Q16 Q4	Sec	Tws	Rng	Χ	Y	
	RA	09303	2	1 2	06	18S	26E	554493	3627437* 🌍	
x Driller Lice	ense:	1064	Driller	Compa	ny:	DE	LFORD	W. MART	IN	
Driller Nar	ne:	MARTIN WATE	R WELL DI	RILLING	Ĵ					
Drill Start	Date:	01/12/1997	Drill Fi	inish Da	te:	0	1/15/199	97 P I	ug Date:	
Log File Date: 01/22/1997			PCW F	Rev Date	:		So	ource:	Shallow	
Pump Type	e:	Pipe Di	ischarge	Size	:	Es	timated Yield:	15 GPM		
Casing Size	e:	5.50	Depth 7	Well:		2	30 feet	De	epth Water:	150 feet
Х	Wate	er Bearing Stratif	fications:	То	p B	Bottom	Descr	ription		
				17	73	209	Sands	stone/Grave	l/Conglomerate	
X			ng Perforations:			Bottom	l			
				14	45	230				

*UTM location was derived from PLSS - see Help

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9/30/22 12:44 PM



			• •			2=NE 3=8 st to large	,	(NAD83 U	TM in meters)	
Well Tag	POD	Number	••			ec Tws	,	X	Y	
_	RA ()4145	1	1	1 0	6 18S	26E	553492	3627435* 🤇	
× Driller Lic	ense:		Driller	r Comj	pany	:				
Driller Na	me:									
Drill Start	Date:	01/19/1960	Drill F	inish]	Date:	. (2/10/196	0 PI	ug Date:	
Log File Date: 02/25/1960		PCW Rcv Date:					So	ource:	Shallow	
Pump Type:			Pipe D	Pipe Discharge Size:				Es	Estimated Yield:	
Casing Size:		7.00	Depth Well:			201 feet		De	Depth Water:	
x	Wate	r Bearing Stratif	ications:		Тор	Bottor	n Descri	iption		
Casing Perforati									l/Conglomerat	te
			forations:							
					164	20	0			

*UTM location was derived from PLSS - see Help

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

9/30/22 12:48 PM

Attachment V Field Data

Sample Log

Hungry Horse, LLC

Project -Latitude:

^<u>_Shernell</u> 4'¹ Longitude:

Date: <u>9/22/22</u> Sampler:) Valeriana

Sample ID Chloride PID/Odor GPS Depth FL 1 Sur 0065:61c , 97 x 1000 = 70 Sur 1 FL 1 1.8×4=172 n/a FL 1 2 2' .OB x 1000= 80 NIA FL 1 3 31 :06×1000=60 MA 4' 4 FL 1 07 x 1000 = 70 NIA

Sample Point = SP1 @ ## etc

Horizontal = HZ1 etc

Test Trench = TT1 @ ##

Floor = FL1 etc Sidewall = SW1 etc

Refusal = SP1 @ 4'-R **GPS Sample Points, Center of Comp Areas** Resamples= SP1b @ 5' or SW #1b Stockpile = Stockpile #1

Sample Log

Hungry Horse, LLC

Project:	Sherrell 4"
Latitude:	32.787732

Longitude: -104.421794

Date: 0/25/22 Sampler: Eli Dominguez

Sample ID	Depth	PID/Odor	Chloride	GPS
SP-2 Surf				
SP=2 Surf	Sint		P3×1000=31)	
ENDIME.				
5R-2 1	11		or=bookrn.	
×				
AND				
SP-2 2'	2		,05×1000=50	
N				
(D) (D) (D)				
SP-2 3'	3		,03x7000=30	
EXABILITER .				
SP-2 9	4'		.03x1000=30	
and the second				
EDON/DB!	5			

Sample Point = SP1 @ ## etc

Horizontal = HZ1 etc

Test Trench = TT1 @ ##

Floor = FL1 etc Sidewall = SW1 etc Refusal = SP1 @ 4'-R

GPS Sample Points, Center of Comp Areas

Resamples= SP1b @ S' or SW #1b Stockpile = Stockpile #1

.

Attachment VI Laboratory Analytical Reports



September 27, 2022

DANIEL DOMINGUEZ Hungry Horse Environmental P.O. Box 1058 Hobbs, NM 88240

RE: SHERRELL 4"

Enclosed are the results of analyses for samples received by the laboratory on 09/22/22 15:51.

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/ga/lab_accred_certif.html.

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



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

Analytical Results For:

Hungry Horse Environmental DANIEL DOMINGUEZ P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:	09/22/2022	Sampling Date:	09/22/2022
Reported:	09/27/2022	Sampling Type:	Soil
Project Name:	SHERRELL 4"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL / L SEC 25 T17S - R30E		

Sample ID: SP 1 - SURFACE (H224418-01)

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	09/24/2022	ND	2.00	99.9	2.00	7.87	
Toluene*	<0.050	0.050	09/24/2022	ND	2.22	111	2.00	9.09	
Ethylbenzene*	<0.050	0.050	09/24/2022	ND	2.13	106	2.00	8.68	
Total Xylenes*	<0.150	0.150	09/24/2022	ND	6.49	108	6.00	9.28	
Total BTEX	<0.300	0.300	09/24/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 69.9-14	0						
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	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d 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	79.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	84.9	% 46.3-17	8						

Cardinal Laboratories

*=Accredited Analyte

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

Hungry Horse Environmental DANIEL DOMINGUEZ P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:	09/22/2022	Sampling Date:	09/22/2022
Reported:	09/27/2022	Sampling Type:	Soil
Project Name:	SHERRELL 4"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL / L SEC 25 T17S - R30E		

Sample ID: SP 1 - 3" (H224418-02)

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	09/24/2022	ND	2.00	99.9	2.00	7.87	
Toluene*	<0.050	0.050	09/24/2022	ND	2.22	111	2.00	9.09	
Ethylbenzene*	<0.050	0.050	09/24/2022	ND	2.13	106	2.00	8.68	
Total Xylenes*	<0.150	0.150	09/24/2022	ND	6.49	108	6.00	9.28	
Total BTEX	<0.300	0.300	09/24/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d 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	94.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	101	% 46.3-17	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

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

aboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Project Manager: Address: PO Bo	ame: Hungry Horse LLC ager: Daniel Dominguez PO Box 1058	ez			1 1 1						C D	P.O. #: Compa	Dan #		Frontier	BILL TO P.O. #: Company Frontier Field Services.	Nices, LLC					NAL	ANALYSIS		REQUEST	
City: Hobbs	bs 575 393-3386	State: NM Fax #:	Δ	Zip:	-	88241	241	_			AA	Attn: An Address:	AL A		COG	Amber Groves ss: 47 Conoco Rd										
		Project Owner:	vner:	Fron	ntier	Field	d Se	Frontier Field Services,		LLC	0	City:	\leq	Maljamar	mai											
ame:	Sherrell 4"										St	State: NM	Z	4	N	Zip: 88264	++									
Project Location:	UL/ L Sec 25 T17S - R30E	7S - R30E									P	nor	e #	S	5-7	Phone #: 575-703-7992										
Sampler Name:	Jorje Valeriano										Fa	Fax #:									_					
FOR LAB USE ONLY				I			11	MATRIX	큠	1^	11	밀	PRESERV.	뜅	÷	SAMPLING	٩G			_						
Lab I.D. H274418	Sample I.D.	e I.D.		(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	o mart.	DATE	TIME	Chloride	трн	BTEX 8021						
_	SP1-Surf			G	-			×				-	×			9/22/22		×	×	×						
28	SP1-3"			G	-			×			1 1 1 1		×			9/22/22		×	×	×						
PLEASE NOTE: Liability and Dar analyses. All claims including tho service. In no event shall Cardina affiliates or successors arising out affiliates of successors arising out affiliated By:	nages. Cardinal's liabi se for negligence and I be liable for incidenta of or related to the pe	ity and client's exclusive remedy for any claim arising whether based in contract or tort, shall be firm any other cause whatsoever shall be deemed waived unless made in writing and received by Cardio formance of services hereunder by Cardinal, tregardless of whether such claim is based upon any I Date: Received, By:	emedy for any claim rer shall be deemed es, including without eunder by Cardinal, R	hout lin	im arising whether base ed waived unless made out limitation, business in al, regardiess of whethe Received, By:	wheth unless n, bus hss of	er bas s mad iness wheth	e in w interru er suc	contra niting a uption ch clai	nd re s, loss m is b	ort, st ceive ceive coiv	by C by C by C by C	ardina of any of	ted to the nal within : of profits i of the abo	in 30 sincu bove	sing whether based in contract or tort, shall be limited to the amount paid by the word unless made in writing and received by Cardinal within 30 days after comp tastor, business interruptions, loss of use, or loss of profits incurred by client, it parcless of whether such claim is based upon any of the above stated reasons arctices of whether and the such claim is based upon any of the above stated reasons arctices of whether the such claim is based upon any of the above stated reasons arctices of whether any of the subove stated reasons arctices of whether any of the subove stated reasons arctices of the such claim is based upon any of the above stated reasons arctices of the such claim is based upon any of the above stated reasons arctices of the subove state of	Int paid by the client for the ys after completion of the applicable of by client, its subsidiaries, led reasons or otherwise. Phone Result:	icable sult:	□ Yes	I No		dd'l P	Add'l Phone #:	*		
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Delivered By: (Circle One)	(Circle One)			2114			1	Sample Condition	5	ndi	ŝ	t														

Page 37 of 60



October 11, 2022

DANIEL DOMINGUEZ Hungry Horse Environmental P.O. Box 1058 Hobbs, NM 88240

RE: SHERRELL 4"

Enclosed are the results of analyses for samples received by the laboratory on 10/06/22 16:00.

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/ga/lab_accred_certif.html.

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



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

Analytical Results For:

Hungry Horse Environmental DANIEL DOMINGUEZ P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:	10/06/2022	Sampling Date:	10/06/2022
Reported:	10/11/2022	Sampling Type:	Soil
Project Name:	SHERRELL 4"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL / L SEC 31 T17S - R26E		

Sample ID: SP 1 - 1' (H224705-01)

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	10/10/2022	ND	2.20	110	2.00	2.06	
Toluene*	<0.050	0.050	10/10/2022	ND	2.09	104	2.00	2.50	
Ethylbenzene*	<0.050	0.050	10/10/2022	ND	2.01	100	2.00	2.13	
Total Xylenes*	<0.150	0.150	10/10/2022	ND	6.11	102	6.00	1.83	
Total BTEX	<0.300	0.300	10/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.6	% 69.9-14	0						
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	10/11/2022	ND	400	100	400	7.69	
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	10/07/2022	ND	203	101	200	0.887	
DRO >C10-C28*	<10.0	10.0	10/07/2022	ND	203	102	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					
Surrogate: 1-Chlorooctane	104	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	117 9	% 46.3-17	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Hungry Horse Environmental DANIEL DOMINGUEZ P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:	10/06/2022	Sampling Date:	10/06/2022
Reported:	10/11/2022	Sampling Type:	Soil
Project Name:	SHERRELL 4"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL / L SEC 31 T17S - R26E		

Sample ID: SP 1 - 2' (H224705-02)

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	10/10/2022	ND	2.20	110	2.00	2.06	
Toluene*	<0.050	0.050	10/10/2022	ND	2.09	104	2.00	2.50	
Ethylbenzene*	<0.050	0.050	10/10/2022	ND	2.01	100	2.00	2.13	
Total Xylenes*	<0.150	0.150	10/10/2022	ND	6.11	102	6.00	1.83	
Total BTEX	<0.300	0.300	10/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	91.9	% 69.9-14	0						
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	10/11/2022	ND	400	100	400	7.69	
TPH 8015M	mg/	'kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	203	101	200	0.887	
DRO >C10-C28*	<10.0	10.0	10/07/2022	ND	203	102	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					
Surrogate: 1-Chlorooctane	99.3	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	110 9	46.3-17	8						

Cardinal Laboratories

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Hungry Horse Environmental DANIEL DOMINGUEZ P.O. Box 1058 Hobbs NM, 88240 Fax To: (505) 391-4585

Received:	10/06/2022	Sampling Date:	10/06/2022
Reported:	10/11/2022	Sampling Type:	Soil
Project Name:	SHERRELL 4"	Sampling Condition:	Cool & Intact
Project Number:	FRONTIER FIELD SERVICES	Sample Received By:	Tamara Oldaker
Project Location:	UL / L SEC 31 T17S - R26E		

Sample ID: SP 1 - 4' (H224705-03)

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	10/10/2022	ND	2.20	110	2.00	2.06	
Toluene*	<0.050	0.050	10/10/2022	ND	2.09	104	2.00	2.50	
Ethylbenzene*	<0.050	0.050	10/10/2022	ND	2.01	100	2.00	2.13	
Total Xylenes*	<0.150	0.150	10/10/2022	ND	6.11	102	6.00	1.83	
Total BTEX	<0.300	0.300	10/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.6	% 69.9-14	0						
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	10/11/2022	ND	400	100	400	7.69	
TPH 8015M	mg/	′kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/07/2022	ND	203	101	200	0.887	
DRO >C10-C28*	<10.0	10.0	10/07/2022	ND	203	102	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	10/07/2022	ND					
Surrogate: 1-Chlorooctane	103	45.3-16	1						
Surrogate: 1-Chlorooctadecane	116 9	46.3-17	8						

Cardinal Laboratories

*=Accredited Analyte

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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

† Cardinal ca	Sampler - UP	Relinquished	PLEASE NOTE: Liability analyzes. All claims incl service. In no event sha atfliates or successors a Relinquished		HZZYTUS
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Received by OCD: 11/3/2022 8:46:42 AM

Labor	ratories		4		סי סספרסטי חווע חווארדטוט הרעטרטי
101 East Ma (575) 393-2	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	240 476			
Company Name: Hungry Horse LLC	orse LLC		BILL TO	A	ANALYSIS REQUEST
	minguez		P.O. #:		
×.			ny Frontier Field Services,	LLC	
City: Hobbs	State: NM	Zip: 88241	Attn: Amber Groves		
Phone #: 575 393-3386	Fax #:		Address: 47 Conoco Rd		
Project #:	Project Owner:	Frontier Field Services, LLC	_		
Project Name: Sherrell 4"					
Project Location: UL/ N Sec 31 T17S	: 31 T17S - R26E		Phone #: 575-703-7992		
Sampler Name: Jorge Vale	Valeriano		Fax #:		
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING		
Lab I.D. Sar	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER : ACID/BASE: ICE / COOL OTHER :	m Chloride TPH BTEX 8021	
(SP1-1'		X	X 10/6/22	××	
C SP1-2'		G 1 X	X 10/6/22	X X X	
U SP1-4"		G 1 1 X	X 10/6/22		
-Lev-ce work is: Learning and Learning's Cardina's liability and client's exclusive memory for any cliam arising whether based in contrast or to analyses. All cliams including those for negligence and any other cause whatsoever shall be deemed waved unless made is writing and receiverse. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss animates or successors arising out of or related to the performance of services heurinder by Cardinal regardless of whether such claim is be Refinence in the contrast of services heurinder by Cardinal, regardless of whether such claim is be Refinence in the contrast of services heurinder by Cardinal, regardless of whether such claim is be Refinence in the contrast of the contrast of the performance of services heurinder by Cardinal, regardless of whether such claim is be Refinence in the contrast of the cont	and other cause whatsoever shall be deemed a or consequental damages, including without serformance of services hereunder by Cardinal,	claim arising whether based in contract or to mmed waiwed unless made in writing and rec thout limitation, business interruptions, loss linal, regardless of whether such claim is be	rt, shall be limited to the armount paid by it eved by Cardinal within 30 days after com- set use, or loss of profits incurred by client, of use, or loss of profits incurred by client, sed upon any of the above stalled reasons	pplicable	
Vorac Valeria	Time:	hunter	Fax Re	Fax Result:	Add'i Fax #:
Relinquished By:		Received By:	Em	Its to:	pm@hungry-horse.com agroves@durangomidstream.com
	· 5.9 c/5.30	Sample Condition Cool_Intact H/J3 Ves Ves	o CHECKED BY:		
Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476	al changes. Please fax v	writton channes to 575-3	NN N470		

Page 43 of 60



November 01, 2022

DANIEL DOMINGUEZ

Hungry Horse Environmental

P.O. Box 1058

Hobbs, NM 88240

RE: SHERRELL 4"

Enclosed are the results of analyses for samples received by the laboratory on 10/26/22 11:55.

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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



Hungry Horse Environmental P.O. Box 1058 Hobbs NM, 88240	Project Number: Project Manager:	SHERRELL 4" FRONTIER FIELD SERVICES DANIEL DOMINGUEZ (505) 391-4585	Reported: 01-Nov-22 14:01
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Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	
SP 2 - SURF	H225039-01	Soil	25-Oct-22 00:00	26-Oct-22 11:55	
SP 2 - 1'	H225039-02	Soil	25-Oct-22 00:00	26-Oct-22 11:55	
SP 2 - 2'	H225039-03	Soil	25-Oct-22 00:00	26-Oct-22 11:55	
SP 2 - 3'	H225039-04	Soil	25-Oct-22 00:00	26-Oct-22 11:55	
SP 2 - 4'	H225039-05	Soil	25-Oct-22 00:00	26-Oct-22 11:55	

11/01/22 - Client changed the sample IDs (see COC). This is the revised report and will replace the one sent on 10/31/22.

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Hungry Horse Environmental P.O. Box 1058 Hobbs NM, 88240			Project Num Project Mana	ber: FRC ger: DAN		NGUEZ	ES	C	Reported: 11-Nov-22 14:(01
				2 - SURI)39-01 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	2102836	AC	28-Oct-22	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2102765	ЛН	31-Oct-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2102765	JH	31-Oct-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2102765	JH	31-Oct-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2102765	JH	31-Oct-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2102765	JH	31-Oct-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			91.1 %	69.9	-140	2102765	JH	31-Oct-22	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2102745	MS	30-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102745	MS	30-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102745	MS	30-Oct-22	8015B	
Surrogate: 1-Chlorooctane			90.7 %	45.3	-161	2102745	MS	30-Oct-22	8015B	
Surrogate: 1-Chlorooctadecane			105 %	46.3	-178	2102745	MS	30-Oct-22	8015B	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Hungry Horse Environmental P.O. Box 1058 Hobbs NM, 88240		Project: SHERRELL 4" Reported: Project Number: FRONTIER FIELD SERVICES 01-Nov-22 14:0 Project Manager: DANIEL DOMINGUEZ Fax To: (505) 391-4585									
				P 2 - 1' 039-02 (Se	oil)						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	ories						
Inorganic Compounds											
Chloride	<16.0		16.0	mg/kg	4	2102836	AC	28-Oct-22	4500-Cl-B		
Volatile Organic Compounds by	EPA Method	8021									
Benzene*	< 0.050		0.050	mg/kg	50	2102765	JH	31-Oct-22	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	2102765	ЛН	31-Oct-22	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2102765	JH	31-Oct-22	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	2102765	ЛН	31-Oct-22	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	2102765	ЛН	31-Oct-22	8021B		
Surrogate: 4-Bromofluorobenzene (PID)			91.7 %	69.9	-140	2102765	ЛН	31-Oct-22	8021B		
Petroleum Hydrocarbons by GC	C FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2102745	MS	30-Oct-22	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102745	MS	30-Oct-22	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102745	MS	30-Oct-22	8015B		
Surrogate: 1-Chlorooctane			92.6 %	45.3	-161	2102745	MS	30-Oct-22	8015B		
Surrogate: 1-Chlorooctadecane			109 %	46.3	-178	2102745	MS	30-Oct-22	8015B		

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Celey D. Keene, Lab Director/Quality Manager

Hungry Horse Environmental P.O. Box 1058 Hobbs NM, 88240			Project Num Project Mana Fax	ber: FRC ger: DAN		NGUEZ	ES	Reported: 01-Nov-22 14:01		
)39-03 (Se	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	2102836	AC	28-Oct-22	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2102765	JH	31-Oct-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2102765	JH	31-Oct-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2102765	JH	31-Oct-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2102765	JH	31-Oct-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2102765	JH	31-Oct-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			89.9 %	69.9	-140	2102765	JH	31-Oct-22	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2102745	MS	30-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102745	MS	30-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102745	MS	30-Oct-22	8015B	
Surrogate: 1-Chlorooctane			101 %	45.3	-161	2102745	MS	30-Oct-22	8015B	
Surrogate: 1-Chlorooctadecane			121 %	46.3	-178	2102745	MS	30-Oct-22	8015B	

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Celey D. Keene, Lab Director/Quality Manager

Hungry Horse Environmental P.O. Box 1058 Hobbs NM, 88240			Project Num Project Mana Fax	ger: DAN To: (50! P 2 - 3'	NTIER FIE IIEL DOMII 5) 391-458	NGUEZ	ES	0	Reported: 1-Nov-22 14:(01
			H2250	039-04 (So	oil)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	16.0		16.0	mg/kg	4	2102836	AC	28-Oct-22	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2102765	JH	31-Oct-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2102765	JH	31-Oct-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2102765	JH	31-Oct-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2102765	JH	31-Oct-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2102765	ЛН	31-Oct-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			91.0 %	69.9	-140	2102765	JH	31-Oct-22	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2102745	MS	30-Oct-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102745	MS	30-Oct-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102745	MS	30-Oct-22	8015B	
Surrogate: 1-Chlorooctane			96.8 %	45.3	-161	2102745	MS	30-Oct-22	8015B	
Surrogate: 1-Chlorooctadecane			121 %	46.3	-178	2102745	MS	30-Oct-22	8015B	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Hungry Horse Environmenta P.O. Box 1058 Hobbs NM, 88240	l	Project:SHERRELL 4"RepProject Number:FRONTIER FIELD SERVICES01-NoProject Manager:DANIEL DOMINGUEZFax To:(505) 391-4585									
			~	P 2 - 4' 039-05 (Se	oil)						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardina	l Laborat	tories						
<u>Inorganic Compounds</u> Chloride	32.0		16.0	mg/kg	4	2102836	AC	28-Oct-22	4500-Cl-B		
Volatile Organic Compounds b	y EPA Method 8	8021									
Benzene*	< 0.050		0.050	mg/kg	50	2102765	JH	31-Oct-22	8021B		
Toluene*	< 0.050		0.050	mg/kg	50	2102765	JH	31-Oct-22	8021B		
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2102765	JH	31-Oct-22	8021B		
Total Xylenes*	< 0.150		0.150	mg/kg	50	2102765	JH	31-Oct-22	8021B		
Total BTEX	< 0.300		0.300	mg/kg	50	2102765	JH	31-Oct-22	8021B		
Surrogate: 4-Bromofluorobenzene (PID)			90.3 %	69.9	-140	2102765	ЛН	31-Oct-22	8021B		
Petroleum Hydrocarbons by G	C FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2102745	MS	30-Oct-22	8015B		
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2102745	MS	30-Oct-22	8015B		
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2102745	MS	30-Oct-22	8015B		
Surrogate: 1-Chlorooctane			100 %	45.3	-161	2102745	MS	30-Oct-22	8015B		
Surrogate: 1-Chlorooctadecane			120 %	46.3	-178	2102745	MS	30-Oct-22	8015B		

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Hungry Horse Environmental P.O. Box 1058 Hobbs NM, 88240	Project Number: Project Manager:	SHERRELL 4" FRONTIER FIELD SERVICES DANIEL DOMINGUEZ (505) 391-4585	Reported: 01-Nov-22 14:01
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Inorganic Compounds - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2102836 - 1:4 DI Water										
Blank (2102836-BLK1)				Prepared &	Analyzed:	28-Oct-22				
Chloride	ND	16.0	mg/kg							
LCS (2102836-BS1)				Prepared &	Analyzed:	28-Oct-22				
Chloride	400	16.0	mg/kg	400		100	80-120			
LCS Dup (2102836-BSD1)				Prepared &	Analyzed:	28-Oct-22				
Chloride	400	16.0	mg/kg	400		100	80-120	0.00	20	

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



P.O. Box 1058Project Number:Hobbs NM, 88240Project Manager:	SHERRELL 4" Reported: FRONTIER FIELD SERVICES 01-Nov-22 14:01 DANIEL DOMINGUEZ (505) 391-4585	
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Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

		Reporting	TT '4	Spike	Source	0/DEC	%REC	DDD	RPD	N. 4
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2102765 - Volatiles										
Blank (2102765-BLK1)				Prepared: 2	27-Oct-22 A	analyzed: 3	1-Oct-22			
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		89.8	69.9-140			
LCS (2102765-BS1)				Prepared: 2	27-Oct-22 A	analyzed: 3	1-Oct-22			
Benzene	2.01	0.050	mg/kg	2.00		100	83.4-122			
Toluene	2.15	0.050	mg/kg	2.00		108	84.2-126			
Ethylbenzene	2.12	0.050	mg/kg	2.00		106	84.2-121			
m,p-Xylene	4.32	0.100	mg/kg	4.00		108	89.9-126			
o-Xylene	2.04	0.050	mg/kg	2.00		102	84.3-123			
Total Xylenes	6.36	0.150	mg/kg	6.00		106	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0447		mg/kg	0.0500		89.4	69.9-140			
LCS Dup (2102765-BSD1)				Prepared: 2	27-Oct-22 A	analyzed: 3	1-Oct-22			
Benzene	1.87	0.050	mg/kg	2.00		93.4	83.4-122	7.25	12.6	
Toluene	2.03	0.050	mg/kg	2.00		102	84.2-126	5.90	13.3	
Ethylbenzene	2.01	0.050	mg/kg	2.00		101	84.2-121	5.13	13.9	
m,p-Xylene	4.09	0.100	mg/kg	4.00		102	89.9-126	5.45	13.6	
o-Xylene	1.94	0.050	mg/kg	2.00		96.9	84.3-123	5.06	14.1	
Total Xylenes	6.03	0.150	mg/kg	6.00		101	89.1-124	5.33	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	0.0451		mg/kg	0.0500		90.1	69.9-140			

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Hobbs NM, 88240 Project Manager: DANIEL DOMINGUEZ Fax To: (505) 391-4585	Hungry Horse Environmental P.O. Box 1058 Hobbs NM, 88240	Project Manager: DA	ONTIER FIELD SERVICES NIEL DOMINGUEZ	Reported: 01-Nov-22 14:01
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Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2102745 - General Prep - Organics										
Blank (2102745-BLK1)				Prepared: 2	27-Oct-22 A	analyzed: 3	0-Oct-22			
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	67.8		mg/kg	50.0		136	45.3-161			
Surrogate: 1-Chlorooctadecane	81.1		mg/kg	50.0		162	46.3-178			
LCS (2102745-BS1)				Prepared: 2	27-Oct-22 A	nalyzed: 3	0-Oct-22			
GRO C6-C10	189	10.0	mg/kg	200		94.6	76.8-124			
DRO >C10-C28	194	10.0	mg/kg	200		97.0	74.9-127			
Total TPH C6-C28	383	10.0	mg/kg	400		95.8	77.5-124			
Surrogate: 1-Chlorooctane	70.8		mg/kg	50.0		142	45.3-161			
Surrogate: 1-Chlorooctadecane	89.4		mg/kg	50.0		179	46.3-178			S-04
LCS Dup (2102745-BSD1)				Prepared: 2	27-Oct-22 A	nalyzed: 3	0-Oct-22			
GRO C6-C10	186	10.0	mg/kg	200		93.1	76.8-124	1.69	17.2	
DRO >C10-C28	191	10.0	mg/kg	200		95.3	74.9-127	1.73	18.6	
Total TPH C6-C28	377	10.0	mg/kg	400		94.2	77.5-124	1.71	17.6	
Surrogate: 1-Chlorooctane	61.2		mg/kg	50.0		122	45.3-161			
Surrogate: 1-Chlorooctadecane	78.8		mg/kg	50.0		158	46.3-178			

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Celey 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.
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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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Received by OCD: 11/3/2022 8:46:42 AM

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Page 55 of 60

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Attachment VII NMOCD Form Initial C-141

Received by OCD: 11/3/2022 8:46:42 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 Page 57 of 60

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

Incident ID	nAPP2223829555
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)	

Location of Release Source

Latitude	32.787732	Longitude -104.421794	
	(NA.	D 83 in decimal degrees to 5 decimal places)	
Site Name Sh	errell 4" Steel Pipeline	Site Type Pipeline	
Date Release	Discovered 8/25/2022	API# (if applicable)	

Unit Letter	Section	Township	Range	County
N	31	17S	26E	Eddy

Surface Owner: State Federal Tribal Private (Name: ; John & Stephanie Palomo Liv. Trust

Nature and Volume of Release

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
(a. 5	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
🛛 Natural Gas	Volume Released (Mcf) 236.97	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Internal corrosion.

	22 8:46:42 AMate of New Mexico	Incident ID	nAPP2223829555
ge 2	Oil Conservation Division	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 responsible part	ty consider this a major release?	,
🗌 Yes 🖾 No			

Initial Response

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

The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Amber Groves	Title: <u>Remediation Specialist</u>
Signature: MADU GION	Date: <u>8/26/2022</u>
email: <u>agroves@durangomidstream.com</u>	Telephone: <u>(575)703-7992</u>
OCD Only	
Received by:	Date:



Gas Volume Release Report

	Gas Release Vol	lume Calcula	tor					
Date:		8/25/2022						
Site or Line Name:			4" Steel Sherrell					
Area of hole in pipe:	0.25		square inches					
Absolute Pressure:	104.7	psia - absolute pressure (psia = psig gauge pressure + 1						
Duration of Release:	60.00	minutes						
Temperature:	89	Degrees F						
Absolute Pressure:	104.7		psia (Gauge Pressure + 14.7)					
Representative Gas Analysis		Please attach	or email a representative gas analysis					
Constants								
Temperature at standard conditions:	60	Deg. F						
Pressure at standard conditions:	14.7	PSIA						
Volume of Gas - SCF	236.97	MSCF						

-	Notes	
	Entered by user	
	Calculated Value	
	Constant	

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

Operator:	OGRID:
FRONTIER FIELD SERVICES, LLC	221115
10077 Grogans Mill Rd.	Action Number:
The Woodlands, TX 77380	155901
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By Condition

We have received your closure report and final C-141 for Incident #NAPP2223829555 SHERRELL 4" STEEL PIPELINE, thank you. This closure is approved. 1/13/2023 rhamlet

CONDITIONS

Action 155901

Condition Date