

13212 N MacArthur Blvd Oklahoma City, Oklahoma 73142 Tel. 832.374.0004 ntgenvironmental.com

February 28, 2025

Mike Bratcher District Supervisor Oil Conservation District 811 S. First Street Artesia, New Mexico 88210

Re: Incident Closure Report

Caza Operating, LLC

Sioux 36 State 1H-5H Production Facility Unit D, Section 36, Township 25S, Range 35E Site Coordinates: 32.0937937, -103.3284733

Lea County, New Mexico

Incident ID: nAPP2434432746

Introduction

NTG Environmental, LLC (NTGE), on behalf of Caza Operating, LLC (Caza), submits this Incident Closure Report to the New Mexico Oil Conservation Division (NMOCD). This report provides documentation of initial soil delineation, sampling analysis, and remediation activities conducted to date in the affected areas at the Sioux 36 State 1H-5H Production Facility (Site). The Site is in Unit Letter D, Section 36, of Township 25 South and Range 35 East in Lea County, New Mexico. The GPS coordinates for the release site are 32.0937937° N Latitude and -103.3284733° W Longitude. The Site location with respect to the nearest town is shown on Figure 1 and the topography of the area is shown on Figure 2.

Background

Based on the initial C-141 submitted by Caza and obtained by the New Mexico Oil Conservation District (NMOCD), the release was discovered on December 7, 2024. The release was the result of an equipment failure, resulting in the release of eight (8) barrels (bbls) of crude oil, of which zero (0) bbls were recovered. Upon discovery the well was shut-in, and the area was secure. The release area is shown in Figure 3.

Groundwater and Site Characterization

Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known water sources within a ½-mile radius of the Site. No other receptors (playas, wetlands, waterways, lakebeds, or ordinance boundaries) are located within each specific boundary or

Creating a Better Environment For Oil & Gas Operations

distance from the Site. According to the Karst Potential Map, the Site is located within a Low Karst area. The Site characterization documentation (Points of Diversion, Karst Potential, Significant Watercourse Map, Wetlands Map, and FEMA Map) are attached to the report.

NTGE characterized the Site according to Table I, Closure Criteria for Soils Impacted by a Release, from the New Mexico Administrative Code (NMCA) Title 19, Chapter 15, Part 29, Section 12 (NMAC 19.15.29.12).

General Site Characterization and Groundwater:

Site Characterization	Average Groundwater Depth (ft)
Low Karst	Unknown

Table 3.1 Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29.12 & 19.15.29.13)

Regulatory Standard	Chloride	ТРН	TPH	BTEX	Benzene
		(GRO+DRO+MRO	(GRO+MRO)		
19.15.29.12 NMAC Table					
I Closure Criteria for Soils	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg
Impacted by a Release					
Notes:					
= not defined					

Site Assessment Activities

On January 13, 2025, NTGE conducted site assessment activities to determine the extent of the release impacts. A total of three (3) vertical sample points (i.e., TP-1 - TP-3) were installed at depths ranging from zero to eight (1-8) feett below ground surface (ft bgs). As well as nine (9) horizontal sample points were installed at depths ranging from zero to half a (0-0.5) ft bgs.

Site assessment activities were conducted to fully characterize and delineate the extent of impacts resulting from the release. Soil samples were collected from the Site using a backhoe and submitted to an accredited laboratory for chemical analysis. All soil samples were analyzed for benzene, toluene, ethylbenzene, and xylene (BTEX) (by EPA Method 8021B), total petroleum hydrocarbon (TPH) (by EPA method 8015 modified), and chloride (by method SM4500CL-B). The combined analytical results of the Site assessment activities are provided in Table 1. Soil sample locations are shown in Figure 3. Laboratory reports containing analytical methods and chain-of-custody documents are attached. Analytical results from the initial assessment activities identified elevated TPH and/or chloride concentrations at the following sample points: TP-1 from one to five (1-5) ft bgs, TP-2 from one to three (1-3) ft bgs, and TP-3 from 1 to 2 (1-2) ft bgs. Analytical results of all the remaining samples were below the NMOCD regulatory limits for all analytes.



Excavation, Waste Management and Confirmation Sampling

Based on the Site assessment activities, Caza proceeded with the remedial action activities at the Site to include the excavation and disposal of impacted soils above NMOCD regulatory limits. The Site was excavated to depths ranging from two and a half (2.5) to six and half (6.5) ft bgs. Upon completion of the excavation, confirmation samples were collected from the excavation's sidewalls and base. The confirmation samples were collected in accordance with the one sample per 200 square feet (sq ft) guideline established in the NMOCD regulatory criteria.

On January 27, 2025, a total of eighty-one (81) confirmation samples were collected. Sixty-three (63) confirmation samples (i.e., CS-1 – CS-63) were collected from the excavation base as well as eighteen (18) confirmation samples (i.e., SW-1 – SW-18) were collected from the excavation sidewalls. Analytical results of the following confirmation samples were above the NMOCD regulatory limits for chlorides and/or TPH: CS-7, CS-8, CS-19, CS-60, and SW-15.

On January 31, 2025, after further excavation activities, an additional six (6) confirmation samples were collected. Four (4) confirmation samples (i.e., CS-7, CS-8, CS-19 and CS-60) were collected from the excavations base as well as two (2) confirmation samples (i.e., SW-15A and SW-19) were collected from the excavation sidewalls. Analytical results of all the confirmation samples were below the NMOCD regulatory limits for all analytes.

The excavation extent, excavation depths, and confirmation sample locations are shown on Figure 4. A total of approximately 1,850 cubic yards (yd³) of impacted soil was excavated and transported to a permitted disposal facility. All soil samples were analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (EPA method 300.0/SM 4500Cl⁻B). Copies of laboratory analysis and chain-of-custody documentation are attached. The analytical results are summarized in Table 2.

Closure Request

Based on the assessment and subsequent remedial action activities, the Site is compliant with NMOCD's regulatory requirements. Caza formally requests a closure for the Site (nAPP2424938520). If you have any questions regarding this report or need additional information, please contact us at (832) 374-0004.

Sincerely,

NTG Environmental

Keller Duth

Kellan Smith Project Manager



Attachments:

Tables Figures

Site Characterization Information

Photographic Log Laboratory Reports



Tables

A NTG

Table 1
Summary of Soil Analytical Data - Delineation Samples
Sioux 36 State 1H-5H Production Facility
Caza Operating, LLC
Lea County, New Mexico

										TPH			
			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6-	DRO (C10-	CDQ - DDQ	MRO (C28-	Total	Chloride
		Depth						C-10)	C28)	GRO + DRO	C35)	GRO/DRO/MRO	
Sample ID	Sample Date	(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
					T	able I Closur	e Criteria for S	oil >100 feet	Depth to Grou	ndwater 19.15.2	9 NMAC		
			10 mg/kg				50 mg/kg					100 mg/kg	600 mg/kg
					V	ertical Delin	eation Sample	es					
	1/13/2025	1'	<0.050	0.110	0.054	<0.150	0.306	103	5,440	5,543	1,080	6,623	976
	1/13/2025	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
	1/13/2025	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
TP-1	1/13/2025	4'	<0.050	0.108	0.228	0.969	1.30	35.5	194	229.5	22.9	252.4	464
117-1	1/13/2025	5'	0.515	7.51	4.52	16.2	28.8	694	2,300	2,994	495	3,489	768
	1/13/2025	6'	<0.050	0.089	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	560
	1/13/2025	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	38.1	38.1	<10.0	38.1	480
	1/13/2025	8'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	37.6	37.6	<10.0	37.6	400
	1/13/2025	1'	<0.050	<0.050	<0.050	0.155	<0.300	<50.0	15,800	15,880	3,560	19,440	14,000
	1/13/2025	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
	1/13/2025	3'	<0.050	<0.050	<0.050	0.191	< 0.300	<10.0	148	148	11.2	159.2	80.0
TP-2	1/13/2025	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	25.6	25.6	<10.0	25.6	96.0
11 2	1/13/2025	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
	1/13/2025	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
	1/13/2025	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
	1/13/2025	8'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
	1/13/2025	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	3,300	3,300	796	4,096	13,000
	1/13/2025	2'	<0.050	2.75	4.66	20.1	27.5	599	3,090	3,689	479	4,168	432
	1/13/2025	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
TP-3	1/13/2025	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
11 3	1/13/2025	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
	1/13/2025	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
	1/13/2025	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
	1/13/2025	8'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
					1		neation Samp						
H-1	1/13/2025	0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,080
H-1A	1/13/2025	0-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
H-2	1/13/2025	0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
H-3	1/13/2025	0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
H-4	1/13/2025	0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
H-5	1/13/2025	0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
H-6	1/13/2025	0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	195	195	30.5	225.5	112
H-6A	1/13/2025	0-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
H-7	1/13/2025	0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
H-8	1/13/2025	0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	94.5	94.5	17.3	111.8	112
H-8A	1/13/2025	0-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
H-9	1/13/2025	0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<50.0	<50.0	<50.0	<50.0	128

Table 1 Summary of Soil Analytical Data - Delineation Samples Sioux 36 State 1H-5H Production Facility Caza Operating, LLC Lea County, New Mexico

										TPH			
			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6-	DRO (C10-	GRO + DRO	MRO (C28-	Total	Chloride
Committe ID	Camala Data	Depth						C-10)	C28)	GKO + DKO	C35)	GRO/DRO/MRO	
Sample ID	Sample Date	(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
					Ta	able I Closur	e Criteria for S	oil >100 feet l	Depth to Grou	ndwater 19.15.2	9 NMAC		
			10 mg/kg				50 mg/kg					100 mg/kg	600 mg/kg

Notes:

- 1. Values reported in mg/kg
- 2.< = Value Less Than Reporting Limit (RL)
- 3. Bold indicates Analyte Detected
- 4. BTEX analyses by EPA Method SW 8021B

Sample Point Excavated

- 5. TPH analyses by EPA Method SW 8015 Mod.
- 6. GRO/DRO/MRO Gasoline/Diesel/Motor Oil
- 7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.
- 8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).
- 9. --- Not Analyzed

NTGE Project Number: 249376

Table 2
Summary of Soil Analytical Data - Confirmation Samples
Sioux 36 State 1H-5H Production Facility
Caza Operating, LLC
Lea County, New Mexico

										TPH			
			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6-	DRO (C10-		MRO (C28-	Total	Chloride
		Depth						C-10)	C28)	GRO + DRO	C35)	GRO/DRO/MRO	
Sample ID	Sample Date	(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
		(T	able I Closure	Criteria for S	oil >100 feet	Depth to Grou	ndwater 19.15.2	9 NMAC		
			10 mg/kg				50 mg/kg					100 mg/kg	600 mg/kg
						Base Confirm	ation Sample	s			•		
CS-1	1/27/2025	5.5'	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-2	1/27/2025	5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
CS-3	1/27/2025	5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
CS-4	1/27/2025	6.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
CS-5	1/27/2025	6.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
CS-6	1/27/2025	6.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
CS-7	1/27/2025	6.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	912
C5 /	1/31/2025	7.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
CS-8	1/27/2025	5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	752
	1/31/2025	6.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS-9	1/27/2025	5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
CS-10	1/27/2025	5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	36.4	36.4	<10.0	36.4	368
CS-11	1/27/2025	5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	40.6	40.6	<10.0	40.6	80
CS-12	1/27/2025	5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	18.7	18.7	<10.0	18.7	240
CS-13	1/27/2025	5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	22.1	22.1	<10.0	22.1	112
CS-14	1/27/2025	5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	21.7	21.7	<10.0	21.7	272
CS-15	1/27/2025	5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-16	1/27/2025	5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
CS-17	1/27/2025	5.5'	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
CS-18	1/27/2025	3.5'	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-19	1/27/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	13 4	134	14.5	148.5	272
C3-13	1/31/2025	4.5'	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
CS-20	1/27/2025	3.5'	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	36.7	36.7	<10.0	36.7	160
CS-21	1/27/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	28.4	28.4	<10.0	28.4	64
CS-22	1/27/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-23	1/27/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-24	1/27/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-25	1/27/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-26	1/27/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-27	1/27/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-28	1/27/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-29	1/27/2025	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-30	1/27/2025	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	37.9	37.9	<10.0	37.9	112
CS-31	1/27/2025	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	72.4	72.4	10.3	82.7	144
CS-32	1/27/2025	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	25.1	25.1	<10.0	25.1	160
CS-33	1/27/2025	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528
CS-34	1/27/2025	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	28.6	28.6	<10.0	28.6	160
CS-35	1/27/2025	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	23	23	<10.0	23	400

Table 2
Summary of Soil Analytical Data - Confirmation Samples
Sioux 36 State 1H-5H Production Facility
Caza Operating, LLC
Lea County, New Mexico

										ТРН			
			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6-	DRO (C10-		MRO (C28	Total	Chloride
		Depth						C-10)	C28)	GRO + DRO	C35)	GRO/DRO/MRO	
Sample ID	Sample Date	(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
		(T.	able I Closur	e Criteria for S	oil >100 feet l	Depth to Grou	ndwater 19.15.2	9 NMAC		
			10 mg/kg				50 mg/kg					100 mg/kg	600 mg/kg
CS-36	1/27/2025	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-37	1/27/2025	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	52.4	52.4	<10.0	52.4	64
CS-38	1/27/2025	2.5'	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	21.7	21.7	<10.0	21.7	80
CS-39	1/27/2025	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	41.6	41.6	<10.0	41.6	112
CS-40	1/27/2025	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	66.6	66.6	<10.0	66.6	96
CS-41	1/27/2025	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	14.6	14.6	<10.0	14.6	64
CS-42	1/27/2025	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
CS-43	1/27/2025	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-44	1/27/2025	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	26.4	26.4	<10.0	26.4	64
CS-45	1/27/2025	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	10.8	10.8	<10.0	10.8	64
CS-46	1/27/2025	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CS-47	1/27/2025	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-48	1/27/2025	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-49	1/27/2025	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
CS-50	1/27/2025	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-51	1/27/2025	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-52	1/27/2025	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	44.4	44.4	<10.0	44.4	64
CS-53	1/27/2025	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-54	1/27/2025	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CS-55	1/27/2025	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
CS-56	1/27/2025	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-57	1/27/2025	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-58	1/27/2025	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	14.8	14.8	<10.0	14.8	32
CS-59	1/27/2025	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	78.2	78.2	<10.0	78.2	48
66.60	1/27/2025	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	165	165	<10.0	165	64
CS-60	1/31/2025	3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
CS-61	1/27/2025	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	12.1	12.1	<10.0	12.1	32
CS-62	1/27/2025	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	85.6	85.6	<10.0	85.6	48
CS-63	1/27/2025	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
	· · · · · · · · · · · · · · · · · · ·		'		Si	dewall Confi	rmation Samp	les	·		,	'	
SW-1	1/27/2025	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
SW-2	1/27/2025	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
SW-3	1/27/2025	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
SW-4	1/27/2025	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
SW-5	1/27/2025	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
SW-6	1/27/2025	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
SW-7	1/27/2025	3.5-5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
SW-8	1/27/2025	3.5-5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
SW-9	1/27/2025	2.5-5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224

Table 2 **Summary of Soil Analytical Data - Confirmation Samples** Sioux 36 State 1H-5H Production Facility Caza Operating, LLC Lea County, New Mexico

										ТРН			
Carralla ID	Samuela Data	Depth	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO (C6 C-10)	DRO (C10- C28)	GRO + DRO	MRO (C28- C35)	Total GRO/DRO/MRO	Chloride
Sample ID	Sample Date	(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
					T	able I Closur	e Criteria for S	oil >100 feet	Depth to Grou	ndwater 19.15.2	9 NMAC		
			10 mg/kg				50 mg/kg					100 mg/kg	600 mg/kg
SW-10	1/27/2025	2.5-5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
SW-11	1/27/2025	0-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
SW-12	1/27/2025	0-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
SW-13	1/27/2025	2.5-3.5'	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
SW-14	1/27/2025	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
SW-15	1/27/2025	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	360	360	70	430	48
SW-15 A	1/31/2025	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SW-16	1/27/2025	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
SW-17	1/27/2025	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
SW-18	1/27/2025	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SW-19	1/31/2025	5.5-6.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128

Notes:

- 1. Values reported in mg/kg
- 2.< = Value Less Than Reporting Limit (RL)
- 3. Bold indicates Analyte Detected
- 4. BTEX analyses by EPA Method SW 8021B

Sample Point Excavated

- 5. TPH analyses by EPA Method SW 8015 Mod.
- 6. GRO/DRO/MRO Gasoline/Diesel/Motor Oil

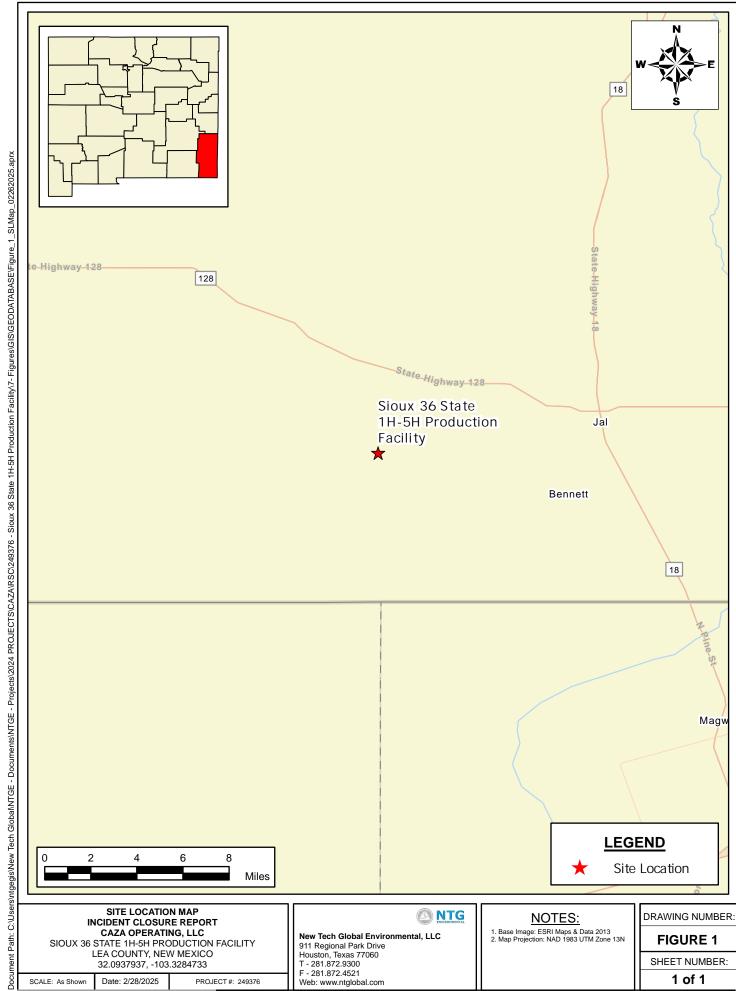
7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.

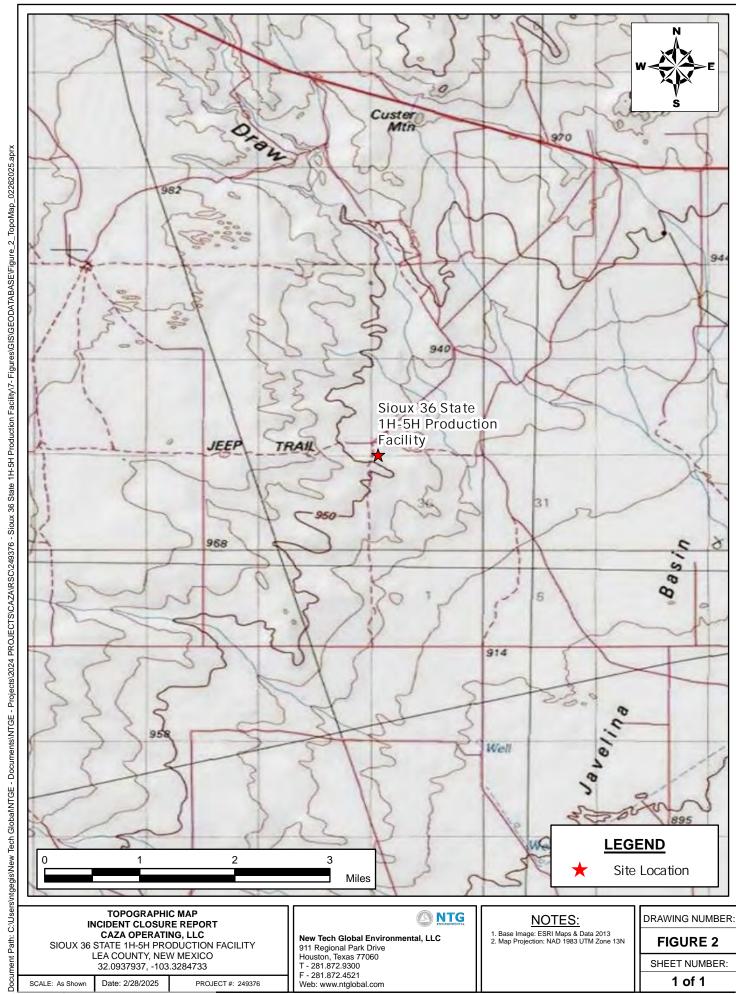
8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).

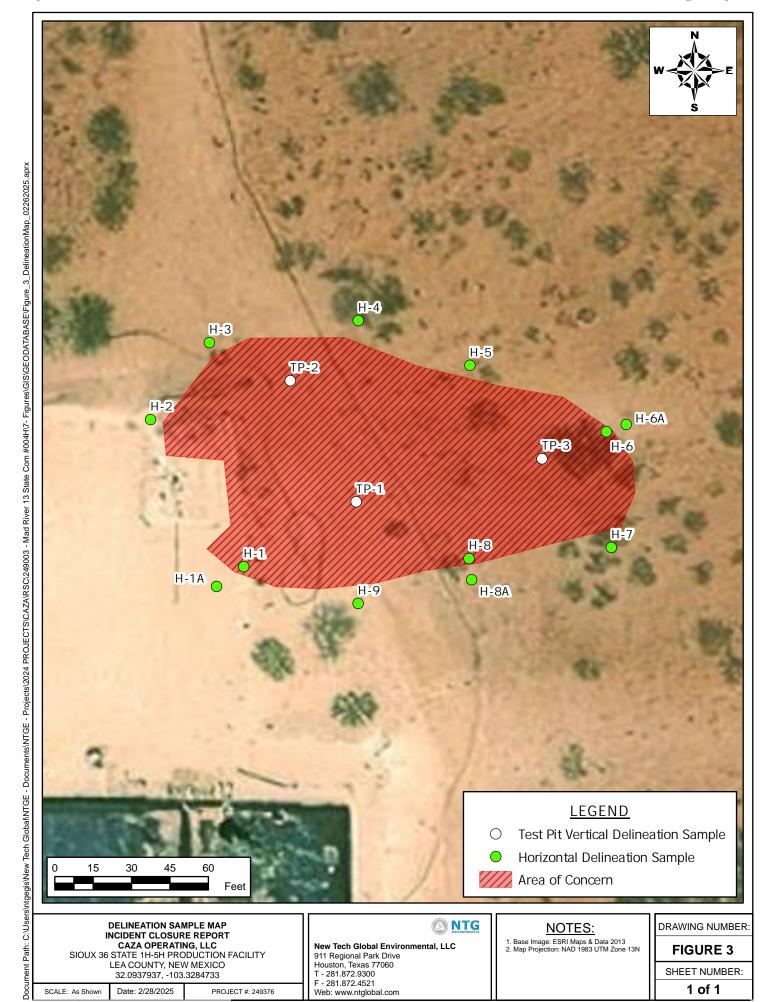
9. --- Not Analyzed

NTGE Project Number: 249376 Page 3 of 3 **Figures**

ANTG





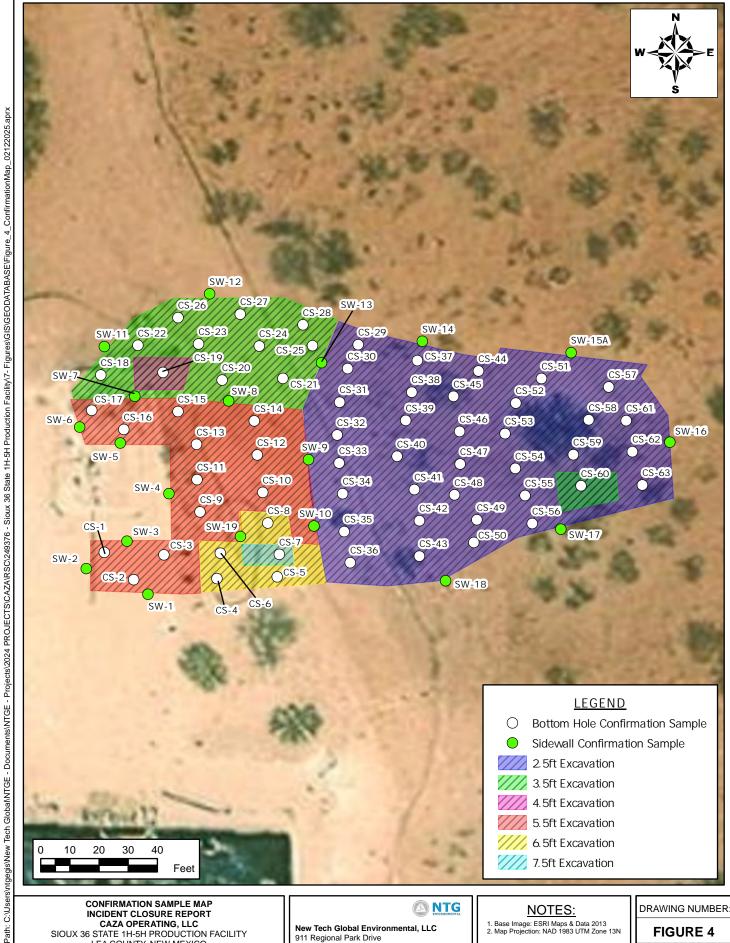


Date: 2/28/2025

PROJECT #: 249376

Web: www.ntglobal.com

SCALE: As Shown



Houston, Texas 77060 T - 281.872.9300

Web: www.ntglobal.com

F - 281.872.4521

Released to Imaging: 3/28/2025 2:33:43 PM

SCALE: As Shown

PROJECT #: 249376

LEA COUNTY, NEW MEXICO

32.0937937,-103.3284733

Date: 2/28/2025

SHEET NUMBER:

1 of 1

Site Characterization Information

NTGE Project No: 249376



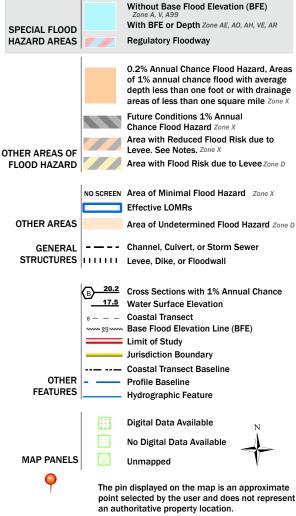
OReleas240 Imaging: 3/28/2025 2993:43 PM

National Flood Hazard Layer FIRMette



Legend

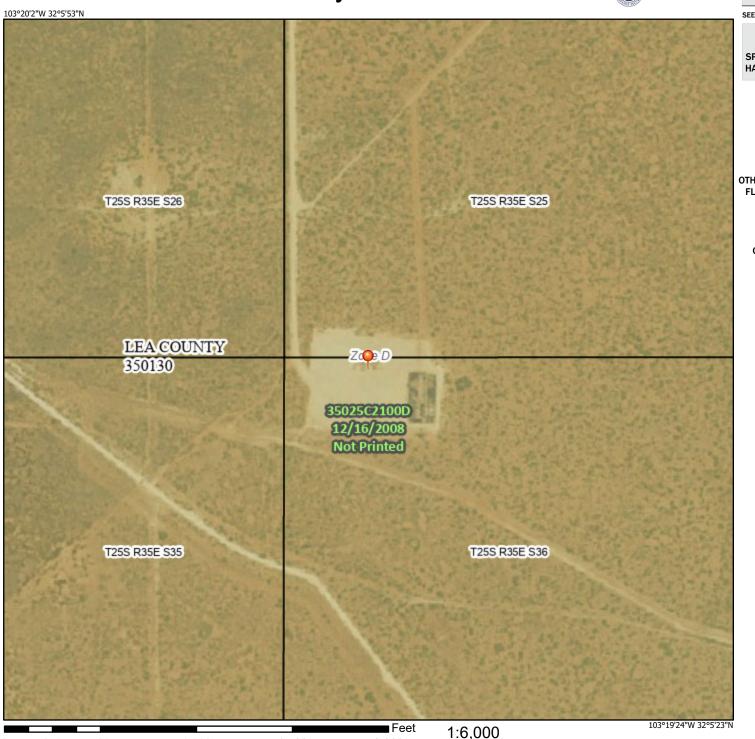
SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT



This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 1/7/2025 at 3:51 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



2,000



Sioux 36 State 1H-5H Production Facility



January 7, 2025

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

Lake

Other

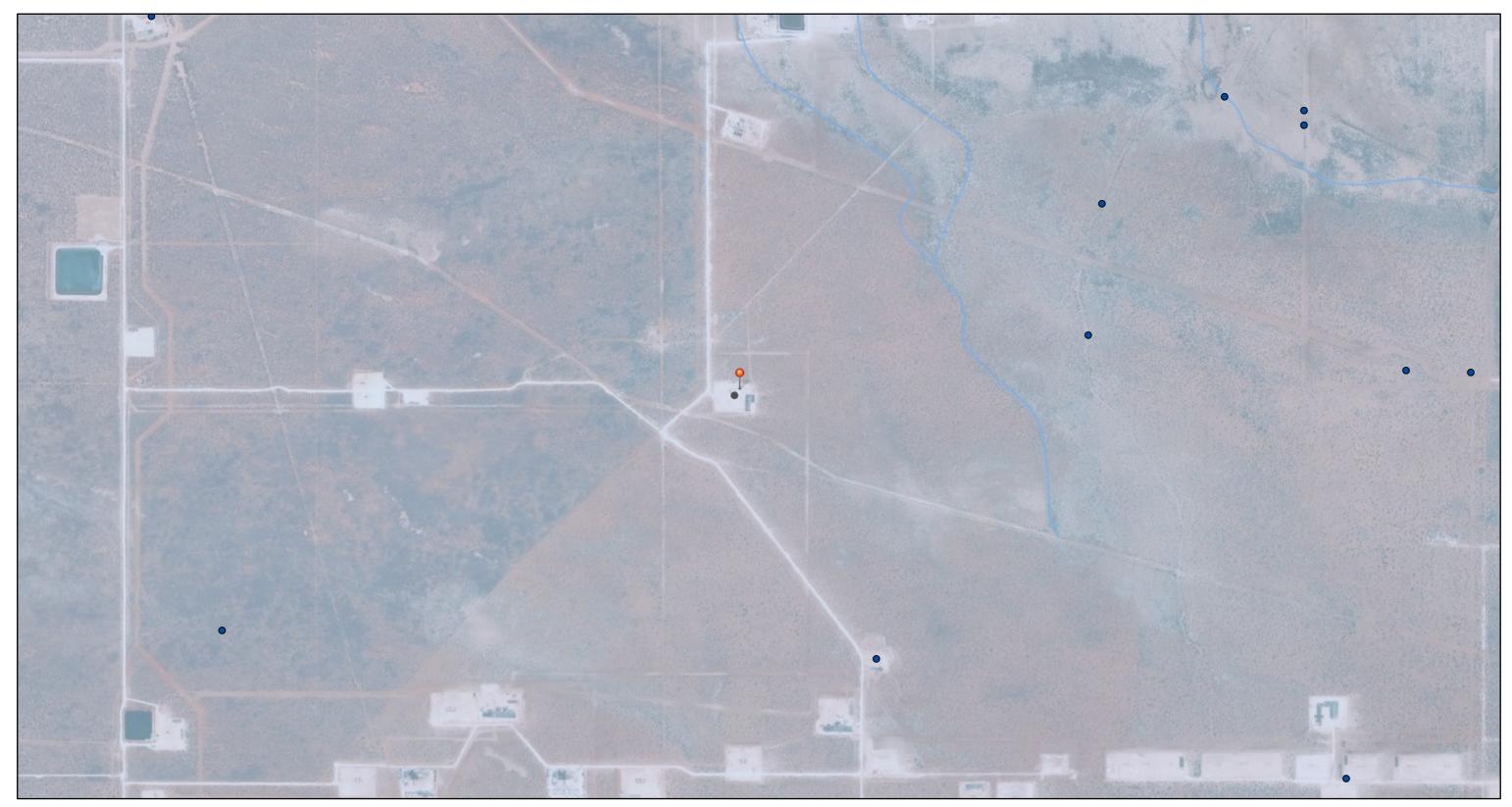
Riverine

j Otner

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.



OCD Oil and Gas Map



1/7/2025, 9:39:59 AM



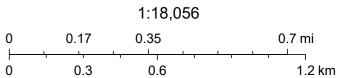
OSE Water PODs

Karst Occurrence Potential



Low

OSE Streams



BLM, OCD, New Mexico Tech, USGS, Esri, HERE, Garmin, iPC, Maxar, NM OSE

OSE POD Location Map



1/7/2025, 9:14:46 AM GIS WATERS PODs

Pending

1:18,056 0 0.13 0.25 0.5 mi 0 0.2 0.4 0.8 km

Esri Community Maps Contributors, Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS, Maxar

Photoghraphic Log

NTGE Project No: 249376



Caza Operating, LLC
Sioux 36 State 1H-5H Production Facility

Photograph No. 1

Facility: Sioux 36 State 1H-5H Production

Facility

County: Lea County, New Mexico

Description:

Initial Assessment / Test Pits



Photograph No. 2

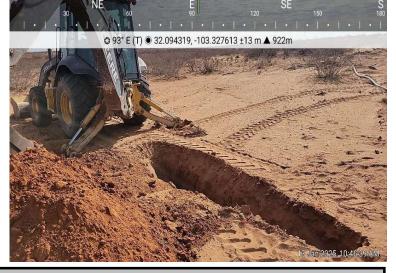
Facility: Sioux 36 State 1H-5H Production

Facility

County: Lea County, New Mexico

Description:

Initial Assessment / Test Pits



Photograph No. 3

Facility: Sioux 36 State 1H-5H Production

Facility

County: Lea County, New Mexico

Description:

Initial Assessment / Test Pits



Caza Operating, LLC
Sioux 36 State 1H-5H Production Facility

Photograph No. 4

Facility: Sioux 36 State 1H-5H Production

Facility

County: Lea County, New Mexico

Description:

Confirmation Sampling



Photograph No. 5

Facility: Sioux 36 State 1H-5H Production

Facility

County: Lea County, New Mexico

Description:

Confirmation Sampling



Photograph No. 6

Facility: Sioux 36 State 1H-5H Production

Facility

County: Lea County, New Mexico

Description:

Confirmation Sampling



Caza Operating, LLC
Sioux 36 State 1H-5H Production Facility

Photograph No. 7

Facility: Sioux 36 State 1H-5H Production

Facility

County: Lea County, New Mexico

Description:

Confirmation Sampling



Photograph No. 8

Facility: Sioux 36 State 1H-5H Production

Facility

County: Lea County, New Mexico

Description:

Confirmation Sampling



Photograph No. 9

Facility: Sioux 36 State 1H-5H Production

Facility

County: Lea County, New Mexico

Description:

Confirmation Sampling



Caza Operating, LLC
Sioux 36 State 1H-5H Production Facility

Photograph No. 10

Facility: Sioux 36 State 1H-5H Production

Facility

County: Lea County, New Mexico

Description:

Confirmation Sampling



Photograph No. 11

Facility: Sioux 36 State 1H-5H Production

Facility

County: Lea County, New Mexico

Description:

Confirmation Sampling



Photograph No. 12

Facility: Sioux 36 State 1H-5H Production

Facility

County: Lea County, New Mexico

Description:

Confirmation Sampling



Laboratory Reports and Chain-of-Custody

NTGE Project No: 249376





January 16, 2025

KELLAN SMITH

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: SIOUX 36 STATE 1H-5H PROD. FRAC

Enclosed are the results of analyses for samples received by the laboratory on 01/13/25 13:18.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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)

Celey D. Keene

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. Keene

Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/13/2025 Sampling Date: 01/13/2025

Reported: 01/16/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact Project Number: 249375 Sample Received By: Alyssa Parras

Project Location: CAZA - LEA CO, NM

Sample ID: TP - 1 1' (H250153-01)

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	01/14/2025	ND	2.01	101	2.00	3.97	
Toluene*	0.110	0.050	01/14/2025	ND	2.15	108	2.00	4.96	
Ethylbenzene*	0.054	0.050	01/14/2025	ND	2.22	111	2.00	5.47	
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.67	111	6.00	5.09	
Total BTEX	0.306	0.300	01/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	127	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	01/14/2025	ND	416	104	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*	103	10.0	01/14/2025	ND	195	97.6	200	3.81	
DRO >C10-C28*	5440	10.0	01/14/2025	ND	176	88.2	200	3.20	
EXT DRO >C28-C36	1080	10.0	01/14/2025	ND					
Surrogate: 1-Chlorooctane	113 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/13/2025 Sampling Date: 01/13/2025

Reported: 01/16/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact Project Number: 249375 Sample Received By: Alyssa Parras

Project Location: CAZA - LEA CO, NM

Sample ID: TP - 1 2' (H250153-02)

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	01/14/2025	ND	2.01	101	2.00	3.97	
Toluene*	<0.050	0.050	01/14/2025	ND	2.15	108	2.00	4.96	
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.22	111	2.00	5.47	
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.67	111	6.00	5.09	
Total BTEX	<0.300	0.300	01/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/14/2025	ND	416	104	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	01/14/2025	ND	195	97.6	200	3.81	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	176	88.2	200	3.20	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					
Surrogate: 1-Chlorooctane	94.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.4	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/13/2025 Sampling Date: 01/13/2025

Reported: 01/16/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact Project Number: 249375 Sample Received By: Alyssa Parras

Project Location: CAZA - LEA CO, NM

Sample ID: TP - 1 3' (H250153-03)

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	01/14/2025	ND	2.01	101	2.00	3.97	
Toluene*	<0.050	0.050	01/14/2025	ND	2.15	108	2.00	4.96	
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.22	111	2.00	5.47	
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.67	111	6.00	5.09	
Total BTEX	<0.300	0.300	01/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	01/14/2025	ND	416	104	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	01/14/2025	ND	195	97.6	200	3.81	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	176	88.2	200	3.20	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					
Surrogate: 1-Chlorooctane	91.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.2	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/13/2025 Sampling Date: 01/13/2025

Reported: 01/16/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact Sample Received By: Project Number: 249375 Alyssa Parras

Project Location: CAZA - LEA CO, NM

Sample ID: TP - 1 4' (H250153-04)

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	01/14/2025	ND	2.01	101	2.00	3.97	
Toluene*	0.108	0.050	01/14/2025	ND	2.15	108	2.00	4.96	
Ethylbenzene*	0.228	0.050	01/14/2025	ND	2.22	111	2.00	5.47	
Total Xylenes*	0.969	0.150	01/14/2025	ND	6.67	111	6.00	5.09	
Total BTEX	1.30	0.300	01/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	01/14/2025	ND	448	112	400	3.64	
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*	35.5	10.0	01/14/2025	ND	195	97.6	200	3.81	
DRO >C10-C28*	194	10.0	01/14/2025	ND	176	88.2	200	3.20	
EXT DRO >C28-C36	22.9	10.0	01/14/2025	ND					
Surrogate: 1-Chlorooctane	96.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.7	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

C-04



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

Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/13/2025 Sampling Date: 01/13/2025

Reported: 01/16/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249375 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: CAZA - LEA CO, NM

ma/ka

Sample ID: TP - 1 5' (H250153-05)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					5-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.515	0.100	01/15/2025	ND	2.01	101	2.00	3.97	
Toluene*	7.51	0.100	01/15/2025	ND	2.15	108	2.00	4.96	
Ethylbenzene*	4.52	0.100	01/15/2025	ND	2.22	111	2.00	5.47	
Total Xylenes*	16.2	0.300	01/15/2025	ND	6.67	111	6.00	5.09	
Total BTEX	28.8	0.600	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	153	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	01/14/2025	ND	448	112	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	694	10.0	01/14/2025	ND	195	97.6	200	3.81	
DRO >C10-C28*	2300	10.0	01/14/2025	ND	176	88.2	200	3.20	
EXT DRO >C28-C36	495	10.0	01/14/2025	ND					
Surrogate: 1-Chlorooctane	124	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.6	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

01/13/2025 01/16/2025

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC

Project Number: 249375

Project Location: CAZA - LEA CO, NM Sampling Date: 01/13/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact

Sample Received By: Alyssa Parras

Sample ID: TP - 1 6' (H250153-06)

Received:

Reported:

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/15/2025	ND	2.01	101	2.00	3.97	
Toluene*	0.089	0.050	01/15/2025	ND	2.15	108	2.00	4.96	
Ethylbenzene*	<0.050	0.050	01/15/2025	ND	2.22	111	2.00	5.47	
Total Xylenes*	<0.150	0.150	01/15/2025	ND	6.67	111	6.00	5.09	
Total BTEX	<0.300	0.300	01/15/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	01/14/2025	ND	448	112	400	3.64	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/14/2025	ND	195	97.6	200	3.81	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	176	88.2	200	3.20	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					
Surrogate: 1-Chlorooctane	78.5 % 48.2-13		4						
Surrogate: 1-Chlorooctadecane	72.5	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/13/2025 Sampling Date: 01/13/2025

Reported: 01/16/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249375 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: CAZA - LEA CO, NM

ma/ka

Sample ID: TP - 1 7' (H250153-07)

RTFY 8021R

BIEX 8021B	тд/кд		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/14/2025	ND	2.01	101	2.00	3.97	
Toluene*	<0.050	0.050	01/14/2025	ND	2.15	108	2.00	4.96	
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.22	111	2.00	5.47	
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.67	111	6.00	5.09	
Total BTEX	<0.300	0.300	01/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	01/14/2025	ND	448	112	400	3.64	
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	01/14/2025	ND	195	97.6	200	3.81	
DRO >C10-C28*	38.1	10.0	01/14/2025	ND	176	88.2	200	3.20	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					
Surrogate: 1-Chlorooctane	88.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.6	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/13/2025 Sampling Date: 01/13/2025

Reported: 01/16/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249375 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: CAZA - LEA CO, NM

ma/ka

Sample ID: TP - 1 8' (H250153-08)

RTFY 8021R

31EX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/14/2025	ND	2.00	99.8	2.00	1.32	
Toluene*	<0.050	0.050	01/14/2025	ND	2.12	106	2.00	0.276	
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.18	109	2.00	1.36	
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.71	112	6.00	1.19	
Total BTEX	<0.300	0.300	01/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	01/14/2025	ND	448	112	400	3.64	
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	01/14/2025	ND	195	97.6	200	3.81	
DRO >C10-C28*	37.6	10.0	01/14/2025	ND	176	88.2	200	3.20	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					
Surrogate: 1-Chlorooctane	82.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.0	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/13/2025 Sampling Date: 01/13/2025

Reported: 01/16/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact Sample Received By: Project Number: 249375 Alyssa Parras

Project Location: CAZA - LEA CO, NM

Sample ID: TP - 2 1' (H250153-09)

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	01/14/2025	ND	2.00	99.8	2.00	1.32	
Toluene*	<0.050	0.050	01/14/2025	ND	2.12	106	2.00	0.276	
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.18	109	2.00	1.36	
Total Xylenes*	0.155	0.150	01/14/2025	ND	6.71	112	6.00	1.19	
Total BTEX	<0.300	0.300	01/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	123 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14000	16.0	01/14/2025	ND	448	112	400	3.64	
TPH 8015M	mg/	'kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	01/14/2025	ND	193	96.6	200	1.26	
DRO >C10-C28*	15800	50.0	01/14/2025	ND	186	93.1	200	0.596	QM-07, QR-03
EXT DRO >C28-C36	3560	50.0	01/14/2025	ND					
Surrogate: 1-Chlorooctane	123 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	355	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

01/13/2025 Sampling Date: 01/13/2025

Reported: 01/16/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact Sample Received By: Project Number: 249375 Alyssa Parras

Project Location: CAZA - LEA CO, NM

Sample ID: TP - 2 2' (H250153-10)

Received:

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	01/14/2025	ND	2.00	99.8	2.00	1.32	
Toluene*	<0.050	0.050	01/14/2025	ND	2.12	106	2.00	0.276	
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.18	109	2.00	1.36	
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.71	112	6.00	1.19	
Total BTEX	<0.300	0.300	01/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/14/2025	ND	448	112	400	3.64	
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	01/14/2025	ND	193	96.6	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	186	93.1	200	0.596	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					
Surrogate: 1-Chlorooctane	103 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Cool & Intact

Alyssa Parras

Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/13/2025 Sampling Date: 01/13/2025

Reported: 01/16/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Project Number: 249375 Sample Received By:

Project Location: CAZA - LEA CO, NM

Sample ID: TP - 2 3' (H250153-11)

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	01/14/2025	ND	2.00	99.8	2.00	1.32	
Toluene*	<0.050	0.050	01/14/2025	ND	2.12	106	2.00	0.276	
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.18	109	2.00	1.36	
Total Xylenes*	0.191	0.150	01/14/2025	ND	6.71	112	6.00	1.19	
Total BTEX	<0.300	0.300	01/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	118	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/14/2025	ND	448	112	400	3.64	
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	01/14/2025	ND	193	96.6	200	1.26	
DRO >C10-C28*	148	10.0	01/14/2025	ND	186	93.1	200	0.596	
EXT DRO >C28-C36	11.2	10.0	01/14/2025	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Kreene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/13/2025 Sampling Date: 01/13/2025

Reported: 01/16/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249375 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: CAZA - LEA CO, NM

ma/ka

Sample ID: TP - 2 4' (H250153-12)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/14/2025	ND	2.00	99.8	2.00	1.32	
Toluene*	<0.050	0.050	01/14/2025	ND	2.12	106	2.00	0.276	
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.18	109	2.00	1.36	
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.71	112	6.00	1.19	
Total BTEX	<0.300	0.300	01/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/14/2025	ND	448	112	400	3.64	
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	01/14/2025	ND	193	96.6	200	1.26	
DRO >C10-C28*	25.6	10.0	01/14/2025	ND	186	93.1	200	0.596	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/13/2025 Sampling Date: 01/13/2025

Reported: 01/16/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249375 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: CAZA - LEA CO, NM

ma/ka

Sample ID: TP - 2 5' (H250153-13)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/14/2025	ND	2.00	99.8	2.00	1.32	
Toluene*	<0.050	0.050	01/14/2025	ND	2.12	106	2.00	0.276	
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.18	109	2.00	1.36	
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.71	112	6.00	1.19	
Total BTEX	<0.300	0.300	01/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/14/2025	ND	448	112	400	3.64	
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	01/14/2025	ND	193	96.6	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	186	93.1	200	0.596	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					
Surrogate: 1-Chlorooctane	79.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.2	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/13/2025 Sampling Date: 01/13/2025

Reported: 01/16/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249375 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: CAZA - LEA CO, NM

ma/ka

Sample ID: TP - 2 6' (H250153-14)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/14/2025	ND	2.00	99.8	2.00	1.32	
Toluene*	<0.050	0.050	01/14/2025	ND	2.12	106	2.00	0.276	
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.18	109	2.00	1.36	
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.71	112	6.00	1.19	
Total BTEX	<0.300	0.300	01/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/14/2025	ND	448	112	400	3.64	
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	01/14/2025	ND	193	96.6	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	186	93.1	200	0.596	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					
Surrogate: 1-Chlorooctane	96.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.8	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey & Freene



01/13/2025

Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

. ~

01/13/2025 Sampling Date:

Reported: 01/16/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact

Project Number: 249375 Sample Received By: Alyssa Parras
Project Location: CAZA - LEA CO, NM

Sample ID: TP - 2 7' (H250153-15)

Received:

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	01/14/2025	ND	2.00	99.8	2.00	1.32	
Toluene*	<0.050	0.050	01/14/2025	ND	2.12	106	2.00	0.276	
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.18	109	2.00	1.36	
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.71	112	6.00	1.19	
Total BTEX	<0.300	0.300	01/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/14/2025	ND	448	112	400	3.64	
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	01/14/2025	ND	193	96.6	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	186	93.1	200	0.596	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					
Surrogate: 1-Chlorooctane	97.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.2	% 49.1-14	18						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/13/2025 Sampling Date: 01/13/2025

Reported: 01/16/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249375 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: CAZA - LEA CO, NM

ma/ka

Sample ID: TP - 2 8' (H250153-16)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/14/2025	ND	2.00	99.8	2.00	1.32	
Toluene*	<0.050	0.050	01/14/2025	ND	2.12	106	2.00	0.276	
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.18	109	2.00	1.36	
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.71	112	6.00	1.19	
Total BTEX	<0.300	0.300	01/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/14/2025	ND	448	112	400	3.64	
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	01/14/2025	ND	193	96.6	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	186	93.1	200	0.596	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.5	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg & Freene



Sample Received By:

01/13/2025

Alyssa Parras

Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/13/2025 Sampling Date:

Reported: 01/16/2025 Sampling Type: Soil
Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact

Project Number: 249375

Project Location: CAZA - LEA CO, NM

mg/kg

Sample ID: TP - 3 1' (H250153-17)

BTEX 8021B

	9/	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/14/2025	ND	2.00	99.8	2.00	1.32	
Toluene*	<0.050	0.050	01/14/2025	ND	2.12	106	2.00	0.276	
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.18	109	2.00	1.36	
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.71	112	6.00	1.19	
Total BTEX	<0.300	0.300	01/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13000	16.0	01/14/2025	ND	448	112	400	3.64	
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	01/14/2025	ND	193	96.6	200	1.26	
DRO >C10-C28*	3300	10.0	01/14/2025	ND	186	93.1	200	0.596	
EXT DRO >C28-C36	796	10.0	01/14/2025	ND					
Surrogate: 1-Chlorooctane	98.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122	% 49.1-14	8						

Analyzed By: JH

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/13/2025 Sampling Date: 01/13/2025

Reported: 01/16/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249375 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: CAZA - LEA CO, NM

ma/ka

Sample ID: TP - 3 2' (H250153-18)

RTFY 8021R

B1EX 8021B	mg	/ Kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	01/15/2025	ND	2.00	99.8	2.00	1.32	
Toluene*	2.75	0.100	01/15/2025	ND	2.12	106	2.00	0.276	GC-NC1
Ethylbenzene*	4.66	0.100	01/15/2025	ND	2.18	109	2.00	1.36	
Total Xylenes*	20.1	0.300	01/15/2025	ND	6.71	112	6.00	1.19	
Total BTEX	27.5	0.600	01/15/2025	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	117	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	01/14/2025	ND	448	112	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	599	10.0	01/14/2025	ND	193	96.6	200	1.26	
DRO >C10-C28*	3090	10.0	01/14/2025	ND	186	93.1	200	0.596	
EXT DRO >C28-C36	479	10.0	01/14/2025	ND					
Surrogate: 1-Chlorooctane	145	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/13/2025 Sampling Date: 01/13/2025

Reported: 01/16/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact Sample Received By: Project Number: 249375 Alyssa Parras

Project Location: CAZA - LEA CO, NM

Sample ID: TP - 3 3' (H250153-19)

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	01/14/2025	ND	2.00	99.8	2.00	1.32	
Toluene*	<0.050	0.050	01/14/2025	ND	2.12	106	2.00	0.276	
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.18	109	2.00	1.36	
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.71	112	6.00	1.19	
Total BTEX	<0.300	0.300	01/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/14/2025	ND	448	112	400	3.64	
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	01/14/2025	ND	193	96.6	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	186	93.1	200	0.596	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					
Surrogate: 1-Chlorooctane	96.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.2	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Analyzed By: JH

.

01/13/2025

mg/kg

Sampling Date: 01/13/2025

Reported: 01/16/2025

Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Project Number: 249375 Sampling Condition: Cool & Intact
Sample Received By: Alyssa Parras

Desirable actions CAZA LE

Project Location: CAZA - LEA CO, NM

Sample ID: TP - 3 4' (H250153-20)

Received:

BTEX 8021B

	91	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/14/2025	ND	2.00	99.8	2.00	1.32	
Toluene*	<0.050	0.050	01/14/2025	ND	2.12	106	2.00	0.276	
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.18	109	2.00	1.36	
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.71	112	6.00	1.19	
Total BTEX	<0.300	0.300	01/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/14/2025	ND	448	112	400	3.64	
TPH 8015M	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/14/2025	ND	193	96.6	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	186	93.1	200	0.596	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					
Surrogate: 1-Chlorooctane	95.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.2	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Kreine



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/13/2025 Sampling Date: 01/13/2025

Reported: 01/16/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact Sample Received By: Project Number: 249375 Alyssa Parras

Project Location: CAZA - LEA CO, NM

Sample ID: TP - 3 5' (H250153-21)

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	01/14/2025	ND	2.00	99.8	2.00	1.32	
Toluene*	<0.050	0.050	01/14/2025	ND	2.12	106	2.00	0.276	
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.18	109	2.00	1.36	
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.71	112	6.00	1.19	
Total BTEX	<0.300	0.300	01/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/14/2025	ND	448	112	400	3.64	
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	01/14/2025	ND	193	96.6	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	186	93.1	200	0.596	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					
Surrogate: 1-Chlorooctane	101 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.1	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/13/2025 Sampling Date: 01/13/2025

Reported: 01/16/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact Project Number: 249375 Sample Received By: Alyssa Parras

Project Location: CAZA - LEA CO, NM

Sample ID: TP - 3 6' (H250153-22)

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	01/14/2025	ND	2.00	99.8	2.00	1.32	
Toluene*	<0.050	0.050	01/14/2025	ND	2.12	106	2.00	0.276	
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.18	109	2.00	1.36	
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.71	112	6.00	1.19	
Total BTEX	<0.300	0.300	01/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/14/2025	ND	448	112	400	3.64	
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	01/14/2025	ND	193	96.6	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	186	93.1	200	0.596	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					
Surrogate: 1-Chlorooctane	89.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.0	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/13/2025 Sampling Date: 01/13/2025

Reported: 01/16/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249375 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: CAZA - LEA CO, NM

mg/kg

Sample ID: TP - 3 7' (H250153-23)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/14/2025	ND	2.00	99.8	2.00	1.32	
Toluene*	<0.050	0.050	01/14/2025	ND	2.12	106	2.00	0.276	
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.18	109	2.00	1.36	
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.71	112	6.00	1.19	
Total BTEX	<0.300	0.300	01/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/14/2025	ND	448	112	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/14/2025	ND	193	96.6	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	186	93.1	200	0.596	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/13/2025 Sampling Date: 01/13/2025

Reported: 01/16/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact Project Number: 249375 Sample Received By: Alyssa Parras

Project Location: CAZA - LEA CO, NM

Sample ID: TP - 3 8' (H250153-24)

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	01/14/2025	ND	2.00	99.8	2.00	1.32	
Toluene*	<0.050	0.050	01/14/2025	ND	2.12	106	2.00	0.276	
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.18	109	2.00	1.36	
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.71	112	6.00	1.19	
Total BTEX	<0.300	0.300	01/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/14/2025	ND	432	108	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	01/14/2025	ND	193	96.6	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	186	93.1	200	0.596	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					
Surrogate: 1-Chlorooctane	87.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/13/2025 Sampling Date: 01/13/2025

Reported: 01/16/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact Sample Received By: Project Number: 249375 Alyssa Parras

Project Location: CAZA - LEA CO, NM

Sample ID: H - 1 0.5' (H250153-25)

BTEX 8021B	mg/	'kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/14/2025	ND	2.00	99.8	2.00	1.32	
Toluene*	<0.050	0.050	01/14/2025	ND	2.12	106	2.00	0.276	
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.18	109	2.00	1.36	
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.71	112	6.00	1.19	
Total BTEX	<0.300	0.300	01/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3080	16.0	01/14/2025	ND	432	108	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	01/14/2025	ND	193	96.6	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	186	93.1	200	0.596	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					
Surrogate: 1-Chlorooctane	89.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.8	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Analyzed By: JH

Sampling Date:

01/13/2025

Reported:

01/13/2025 01/16/2025

mg/kg

Sampling Type:

Soil

Project Name:

Received:

BTEX 8021B

SIOUX 36 STATE 1H-5H PROD. FRAC

Sampling Condition:

Cool & Intact

Project Number:

249375

Sample Received By:

Alyssa Parras

Project Number:

Project Location: CAZA - LEA CO, NM

Sample ID: H - 2 0.5' (H250153-26)

	9,	9	7	7 5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/14/2025	ND	2.00	99.8	2.00	1.32	
Toluene*	<0.050	0.050	01/14/2025	ND	2.12	106	2.00	0.276	
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.18	109	2.00	1.36	
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.71	112	6.00	1.19	
Total BTEX	<0.300	0.300	01/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	01/14/2025	ND	432	108	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	01/14/2025	ND	193	96.6	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	186	93.1	200	0.596	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					
Surrogate: 1-Chlorooctane	93.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.9	% 49.1-14	8						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/13/2025 Sampling Date: 01/13/2025

Reported: 01/16/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249375 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: CAZA - LEA CO, NM

mg/kg

Sample ID: H - 3 0.5' (H250153-27)

BTEX 8021B

DILX GOZID	1119/	- Kg	Allulyzo	.u by. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/14/2025	ND	2.00	99.8	2.00	1.32	
Toluene*	<0.050	0.050	01/14/2025	ND	2.12	106	2.00	0.276	
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.18	109	2.00	1.36	
Total Xylenes*	<0.150	0.150	01/14/2025	ND	6.71	112	6.00	1.19	
Total BTEX	<0.300	0.300	01/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/14/2025	ND	432	108	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	01/14/2025	ND	193	96.6	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	186	93.1	200	0.596	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					
Surrogate: 1-Chlorooctane	97.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.0	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/13/2025 Sampling Date: 01/13/2025

Reported: 01/16/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249375 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: CAZA - LEA CO, NM

mg/kg

Sample ID: H - 4 0.5' (H250153-28)

BTEX 8021B

	9/	9	7.1.4.7.2						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/14/2025	ND	1.88	93.9	2.00	3.88	
Toluene*	<0.050	0.050	01/14/2025	ND	2.03	102	2.00	4.00	
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.00	99.9	2.00	4.64	
Total Xylenes*	<0.150	0.150	01/14/2025	ND	5.86	97.6	6.00	4.81	QM-07
Total BTEX	<0.300	0.300	01/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.4	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/14/2025	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/14/2025	ND	193	96.6	200	1.26	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	186	93.1	200	0.596	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/13/2025 Sampling Date: 01/13/2025

Reported: 01/16/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249375 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: CAZA - LEA CO, NM

mg/kg

Sample ID: H - 5 0.5' (H250153-29)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/14/2025	ND	1.88	93.9	2.00	3.88	
Toluene*	<0.050	0.050	01/14/2025	ND	2.03	102	2.00	4.00	
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.00	99.9	2.00	4.64	
Total Xylenes*	<0.150	0.150	01/14/2025	ND	5.86	97.6	6.00	4.81	
Total BTEX	<0.300	0.300	01/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.1	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/14/2025	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/14/2025	ND	167	83.3	200	1.80	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	169	84.5	200	0.929	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					
Surrogate: 1-Chlorooctane	110	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/13/2025 Sampling Date: 01/13/2025

Reported: 01/16/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249375 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: CAZA - LEA CO, NM

ma/ka

Sample ID: H - 6 0.5' (H250153-30)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/14/2025	ND	1.88	93.9	2.00	3.88	
Toluene*	<0.050	0.050	01/14/2025	ND	2.03	102	2.00	4.00	
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.00	99.9	2.00	4.64	
Total Xylenes*	<0.150	0.150	01/14/2025	ND	5.86	97.6	6.00	4.81	
Total BTEX	<0.300	0.300	01/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.1	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/14/2025	ND	432	108	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	01/14/2025	ND	167	83.3	200	1.80	
DRO >C10-C28*	195	10.0	01/14/2025	ND	169	84.5	200	0.929	
EXT DRO >C28-C36	30.5	10.0	01/14/2025	ND					
Surrogate: 1-Chlorooctane	113	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	127	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/13/2025 Sampling Date: 01/13/2025

Reported: 01/16/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249375 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: CAZA - LEA CO, NM

mg/kg

Sample ID: H - 7 0.5' (H250153-31)

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/14/2025	ND	1.88	93.9	2.00	3.88	
Toluene*	<0.050	0.050	01/14/2025	ND	2.03	102	2.00	4.00	
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.00	99.9	2.00	4.64	
Total Xylenes*	<0.150	0.150	01/14/2025	ND	5.86	97.6	6.00	4.81	
Total BTEX	<0.300	0.300	01/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.6	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/14/2025	ND	432	108	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	01/14/2025	ND	167	83.3	200	1.80	
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	169	84.5	200	0.929	
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND					
Surrogate: 1-Chlorooctane	121	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	131	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/13/2025 Sampling Date: 01/13/2025

Reported: 01/16/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249375 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: CAZA - LEA CO, NM

ma/ka

Sample ID: H - 8 0.5' (H250153-32)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/14/2025	ND	1.88	93.9	2.00	3.88	
Toluene*	<0.050	0.050	01/14/2025	ND	2.03	102	2.00	4.00	
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.00	99.9	2.00	4.64	
Total Xylenes*	<0.150	0.150	01/14/2025	ND	5.86	97.6	6.00	4.81	
Total BTEX	<0.300	0.300	01/14/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/14/2025	ND	432	108	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	01/14/2025	ND	167	83.3	200	1.80	
DRO >C10-C28*	94.5	10.0	01/14/2025	ND	169	84.5	200	0.929	
EXT DRO >C28-C36	17.3	10.0	01/14/2025	ND					
Surrogate: 1-Chlorooctane	115	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	129	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/13/2025 Sampling Date: 01/13/2025

Reported: 01/16/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249375 Sample Received By: Alyssa Parras

Analyzed By: JH

Project Location: CAZA - LEA CO, NM

mg/kg

Sample ID: H - 9 0.5' (H250153-33)

BTEX 8021B

	9,	9	7	7: 5::						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/14/2025	ND	1.88	93.9	2.00	3.88		
Toluene*	<0.050	0.050	01/14/2025	ND	2.03	102	2.00	4.00		
Ethylbenzene*	<0.050	0.050	01/14/2025	ND	2.00	99.9	2.00	4.64		
Total Xylenes*	<0.150	0.150	01/14/2025	ND	5.86	97.6	6.00	4.81		
Total BTEX	<0.300	0.300	01/14/2025	ND						
Surrogate: 4-Bromofluorobenzene (PID	95.8	% 71.5-13	4							
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128 16.0		01/14/2025 ND		432	108	400	0.00		
TPH 8015M	mg	/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/14/2025	ND	167	83.3	200	1.80		
DRO >C10-C28*	<10.0	10.0	01/14/2025	ND	169	84.5	200	0.929		
EXT DRO >C28-C36	<10.0	10.0	01/14/2025	ND						
Surrogate: 1-Chlorooctane	116	% 48.2-13	4							
Surrogate: 1-Chlorooctadecane	125	% 49.1-14	8							

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



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

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after competent of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

101 East Marland, Hobbs, NM 8824 (575) 393-2326 FAX (575) 393-24	CARI Labor
01 East Marland, Hobbs, NM 88: (575) 393-2326 FAX (575) 393-2	DIN ,
VM 882	7ies

Construct accept verhal changes. Please email changes to celey.keene@cardinallabsnm.com	verhal changes. Please email change	- Cardinal cannot accent	FORM-000 R 3.5 06/05/24
Correction Factor -0.6°C	es C Yes) (i	Sampler - UPS - Bus - Other:
Rush Cool Intact	Intact (Initials)	p. 6	Delivered By: (Circle One)
Bacteria (only) Sa	OLECKED BY:		
HALLE VAN		Date: Received By:	Relinquished By:
DEMARKO:	A DEN	Time: (1) O DOW	Je Chil
are emailed. Please provid	All R	-	Relinquished By:
sons or otherwise.	including will but in the state of whether such claim is based upon any of the above stated reasons or otherwise ider by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	service. In no event shall Cardinal be liable for incidental or consequental damages, including window immanded, and the state of seasons or different such claim is based upon any of the above stated seasons or different such claim is based upon any of the above stated seasons or different such claim is based upon any of the above stated seasons or different such claim is based upon any of the above stated seasons or different such claim is based upon any of the above stated seasons or different such claim is based upon any of the above stated seasons or different such claim is based upon any of the above stated seasons or different such claim is based upon any of the above stated seasons or different such claim is based upon any of the above stated seasons or different such claim is based upon any of the above stated seasons or different such claim is based upon any of the above stated seasons or different such claims in the such claims of the such	service. In no event shall Cardinal be liable for incidental or consequental damages
subsidiaries,	e in writing and received by Cardinal within 30 days after compa- interruptions, loss of use, or loss of profits incurred by client, its	PLEASE NOTE: Liability and Damages: Calcular is naturally and programment of the cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after conspicuous or the programment of the cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after conspicuous and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after conspicuous and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after conspicuous and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after conspicuous and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after conspicuous and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after conspicuous and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after conspicuous and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after conspicuous and any other cause which was a specific program of the cause which was a specif	PLEASE NOTE: Liability and Damages. Cardina's land analyses. All claims including those for negligence and
client for the	sed in contract or tort, shall be limited to the amount paid by the	W characteristic and client's archiecks ammen's for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the	W
<		71 0	1
7		7	1
		R.	8
		7.	1
		6	1
		0	70-
		\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	4
		. 0	3
		J.	0)
		6	70-
	S	G V	1350361
AE .	DIL	CON	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	R: /BAS	JND	Lab I.D. Samp
P)	_	R (C)	
lov		S ER	
()	MATRIX PRESERV. SAMPLING	MA	EOR I AR LISE ONLY
ele	1	Multon T.	ampler Name:
	Phone #:	County	roject Location:
	State: ZIP:	36 State 14-SH Frod, Ti	roject Name: S JOUX
		Project Owner: CM CH	roject#: 248375
	Address:	Fax #:	hone #:
		State: OK Zip: 7514	ity: Ok Jahoma (
			ddress: 13217
	7.0.	Han Smith	roject Manager:
	DILL	GE H	ompany Name:
ANALYSIS REQUEST	BILLTO	6 FAX (5/5) 393-24/6	(575) 393-2326
			101 East Marlan

Page 36 of 39



and. Hobbs. NM 88240

Cardinal cannot accept verbal changes. Please email changes to celey.neering.can unique constitutions.	s. Please email changes	not accept verbal change	+ Cardinal can	FORM-000 K 3.3 00/03/24
Correction Factor -0.6°C No No Corrected 18mp. C	Correction	O No O No	Corrected Temp. °C	Sampler - UPS - Bus - Other:
40 Rush Cool Intact			Observed Temp. C \ 8	Delivered By: (Circle One)
y) Sa	CHECKED BY: Turnaro	Condition of the condit	Time:	
KS:	REMARKS:	Received By:	Date: Re	Relinquished By:
		3	Time: 1/6	The same of the sa
Verbal Result: Yes No Add Frione #: All Results are emailed. Please provide Email address:	Verbal Result:	Received By:	Date: // / Rec	affiliates or successors arising on of or related to the padarmance of sen
	 or loss of profits incurred by client, its subsituations of the above stated reasons or other 	damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by cl damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by cl	or consequental damages, including without	analyses. All claims including those for negligence and any outer values missess, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, service in no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, earlier in the profits incurred by client, its subsidiaries, and
f the applicable	all be limited to the amount paid by the client by Cardinal within 30 days after completion of	arising whether based in contract or tort, shi waived unless made in writing and received	ity and client's exclusive remedy for any claim	PLEASE NOTE: Liability and Damages. Cardinat's liability and offent's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the claim to rise plicable please NOTE: Liability and Damages. Cardinat's liability and offent's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the claim to rise.
H		2	77 1	10
			14	18
			30	1
			1 7	6
			2 7	X :
			10	
			7 5	2
		A	77	5=
		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	_	4850153
B	OTHER:	# CONTAIN GROUNDW WASTEWA SOIL OIL SLUDGE OTHER: ACID/BASS	G)RAB OR	Lab I.D. Sample I.D.
PA		VATER	(C)OMI	
X	TRESERV.	MAIKIX	·.	FOR LAB USE ONLY
le	SAMPLING	Fax	mitou T.	ampler Name:
	#	Phone #:	Collisty	roject Location:
	Zip:	Prod. Fac State:	36 State 14-SH	roject #: \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	*	AZA city:	Project Owner:	hone #:
	S.	Address:	Eav #	ity: UK JOYOMA CI
		72147 Attn:	State: Zip:	ddress: 13212 A
	nv.	Compa	TIME CAPIT	oject Manager:
	Diam'r.	#	GE / II	ompany Name:
ANALYSIS REQUEST	BILL TO		FAX (0/0) 393-2410	(575) 393-2326
			D, FIODDS, MINI 002-10	101 East Mariano, nobbs, M



company Name:	NTGE.		BILL TO		ANALYSIS REQ	REQUEST
roject Manager:	Kellan Smit	P.O.	0. #:			
ddress: 13	8217 N Mac Athan	r Blvd co	Company:			
ity: Ok Jah	OMA CITY State: OL	Zip: 73/42 Attn:	7.			
hone #:	Fax #:	Adı	Address:			
roject #: 24 (43.75 Project Owner:	r: CHZA city:	y:			
roject Name:	5 joux 36 State 14	SH Prod. Fac State:	ate: Zip:			
roject Location:	1000 County	Ph	Phone #:			
ampler Name:	2 Plantout	Fax #:	× #:	-		
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING	X C		
		NERS WATER		PH		1
N a N a N a N a N a N a N a N a N a N a		(G)RAB O # CONTAI GROUND WASTEW SOIL OIL SLUDGE OTHER:	ACID/BAS ICE / COO OTHER :	TIME		
00	to of	4	21)1	00:		
80 80	TP-22 7					
he h	10-3					
83	H-2 05					
४ ४	200					
pe	45 0.5					
S liberal Days	14 6 0.5		V	MON		
LEASE NOTE: LIADINY and Dama, halyses. All claims including those invice. In no event shall Cardinal bo fillates or successors arising out of	LEASE NUTE: Lability and Damages, Cardina's lability and clients exclusive renerby for any claffin arising whether based in contract or fort, shall be limited to the amount paid by the client for he labyes. All claffins including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable note on no event shall Cardinal be labyer for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, and the profits of the above stated reasons or otherwise.	my claffin arising whether based in contract or tort, deemed waived unless made in writing and receiv g without limitation, business interruptions, loss of partitional reparatters of whether such claim is based.	internet based in contract or fort, shall be limited to the amount paid niless made in writing and received by Cardinal within 30 days after or business interruptions, loss of use, or loss of profits incurred by clie so of whether such claim is based unon any of the above stated reas	y the client for the ormpletion of the applicable nt, its subsidiaries, one or otherwise.		
Relinquished By:	Dat	Ve		Verbal Result:	□ No Add'l Phone #:	
Jil Sell	Time:	apour		All Results are emailed. Please provide Email address:	e provide Email address:	
Telineuished By:	Date!	Received By:		REMARKS:	•	
Delivered By: (Circle One)	Observ	Sample Condition Cool Intact	CHECKED BY: T	Turnaround Time: Standard		Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
Sampler - UPS - Bus - Other:	Bus - Other: Corrected Temp. °C	No No	A	Thermometer ID #140 Correction Factor -0.6°C		



inallabsnm.com	hanges to celev.keene@cardir	nnes. Please email c	Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	+ Cardinal o	FORM-000 R 3.3 08/03/24	FORM-0
☐ No ☐ No Corrected Temp. °C	Correction Factor -0.6°C	F	B) No No No	Corrected Temp. °C	- Bus - Other:	Sampler - UPS -
☐ Cool Intact	Thomponeter ID #140	CHECKED BY: (Initials)	Sample Condition Cool Intact	ဂ	(Circle One)	Delivered By: (Circle One)
			Received By:	Date: 11305 Time:	By:	Relinquished By:
	REMARKS:		Oppures	Time: 1:15	H.	R
Se provide Email address:	It: ☐ Yes re emailed. Plea		Received By:	Date: 1/13	ors arising out of or related to the performance	Relinquished By:
1		of use, or loss of profits incurred by sed upon any of the above stated re	analyses. All claims including those for negligappe and any timer cause minascores instructions including those for negligappe and any timer cause minascores, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, service. In no event shall Cardinal be liable of rhodenal or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, service. In no event shall Cardinal be liable of rhodenal or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, service. In no event shall Cardinal be liable of rhodenal or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, and the consequence of the consequence o	l or consequental damages, including wi	uding those for negligence and a Cardinal be liable for incidental	analyses. All claims incluservice. In no event shall
	id by the client for the er completion of the applicable	rt, shall be limited to the amount pa elved by Cardinal within 30 days afte	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the publicable of the applicable in the contract of the property of the property of the publicable of	ty and client's exclusive remedy for any	and Damages. Cardinal's liabilit	PLEASE NOTE: Liability
				0.7		000
	* + 1 +	2	×	051	1-90	200
			<u>ــــــــــــــــــــــــــــــــــــ</u>	75	11-8-	2 03
	1:8	(→ # V → S	0.5	U-7	5,5105,8 H
	TIME		CON PROU VAST SOIL DIL SLUDE	GIRAL		
	B	BASE: COOL	TAINE NDWA EWAT		Sample I.D.	Lab I.D.
	TE DF		RS	C)OMF		
	F so	PRESERV.	MAIKIX			FOR LAB USE ONLY
	X	#: SAMPLING	Fax	mtout.	n n	Sampler Name:
		Phone #:	Pho	County	n: Ipch	Project Location:
		te: Zip:	H Frod, Tac State:	36 State, 14-51	S joux	roject Name:
			CM CH City:	Project Owner:	403.75	roject #: 2
		Address:	Ado	Fax #:	•	hone #:
			73142	State: OL Zip:	latoma Ci	ity: Ok
		Company:	BIVA Con	Max Athor	13717	\ddress:
		*	P.O. #:	Man Smith	" KO	roject Manager:
ANALTOIS NEGOES:		BILL TO				ompany Name:
ANALYSIS BEOLIEST				FAX (575) 393-2476	(575) 393-2326 FAX (575)	3



January 17, 2025

KELLAN SMITH

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: SIOUX 36 STATE 1H-5H PROD. FRAC

Enclosed are the results of analyses for samples received by the laboratory on 01/13/25 13:18.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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)

Celey D. Keene

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. Keene

Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/13/2025 Sampling Date: 01/13/2025

Reported: 01/17/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact Project Number: Sample Received By: Alyssa Parras

A ... - b ... - d D. .. 711

Project Location: CAZA - LEA CO, NM

Sample ID: H - 1A 0.5' (H250154-01)

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	01/17/2025	ND	2.20	110	2.00	1.93	
Toluene*	<0.050	0.050	01/17/2025	ND	2.18	109	2.00	1.20	
Ethylbenzene*	<0.050	0.050	01/17/2025	ND	2.31	115	2.00	1.70	
Total Xylenes*	<0.150	0.150	01/17/2025	ND	6.96	116	6.00	2.19	
Total BTEX	<0.300	0.300	01/17/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	128	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0 16.0		01/17/2025 ND		432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2025	ND	192	96.0	200	4.66	
DRO >C10-C28*	<10.0	10.0	01/17/2025	ND	175	87.5	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	01/17/2025	ND					
Surrogate: 1-Chlorooctane	81.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.3	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey & Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/13/2025 Sampling Date: 01/13/2025

Reported: 01/17/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact Project Number: 249375 Sample Received By: Alyssa Parras

Project Location: CAZA - LEA CO, NM

Sample ID: H - 6A 0.5' (H250154-06)

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	01/17/2025	ND	2.20	110	2.00	1.93	
Toluene*	<0.050	0.050	01/17/2025	ND	2.18	109	2.00	1.20	
Ethylbenzene*	<0.050	0.050	01/17/2025	ND	2.31	115	2.00	1.70	
Total Xylenes*	<0.150	0.150	01/17/2025	ND	6.96	116	6.00	2.19	
Total BTEX	<0.300	0.300	01/17/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	125 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: KV					
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/17/2025	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2025	ND	192	96.0	200	4.66	
DRO >C10-C28*	<10.0	10.0	01/17/2025	ND	175	87.5	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	01/17/2025	ND					
Surrogate: 1-Chlorooctane	89.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.2	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/13/2025 Sampling Date: 01/13/2025

Reported: 01/17/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249375 Sample Received By: Alyssa Parras

Project Location: CAZA - LEA CO, NM

Sample ID: H - 8A 0.5' (H250154-08)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2025	ND	2.20	110	2.00	1.93	
Toluene*	<0.050	0.050	01/17/2025	ND	2.18	109	2.00	1.20	
Ethylbenzene*	<0.050	0.050	01/17/2025	ND	2.31	115	2.00	1.70	
Total Xylenes*	<0.150	0.150	01/17/2025	ND	6.96	116	6.00	2.19	
Total BTEX	<0.300	0.300	01/17/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	121	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/17/2025 ND		432	108	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2025	ND	192	96.0	200	4.66	
DRO >C10-C28*	<10.0	10.0	01/17/2025	ND	175	87.5	200	1.94	
EXT DRO >C28-C36	<10.0	10.0	01/17/2025	ND					
Surrogate: 1-Chlorooctane	91.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Freene



Sampler - UPS - Bus -	Relinquished By: Delivered By: (Circle One)	PLEASE NOTE: Liability and Damages, Cardinal's lia analyses. All claims including those for negligence an service. In no event shall Cardinal be liable for incider affiliates or successors arising out of or related to the Religious Cardinal Section 18 of the control of the co	200	76	NF V	J U -	Hasois4	FOR LAB USE ONLY	Sampler Name:	Project Location:	Project Name:	Project #: 2U	Phone #:	city: Ok)a	Address:	Project Manager:	Company Name:	
Other:	Time: Date: 1/3 Time: 7/3	mages. Cardinal's liability and client's exclusive re se for negligance and any other cause whatsoev as for negligance and any other cause whatsoev label be, and the perfermance of services here of or neighbor to the perfermance of services here.	H-87	70	1-51 1-71	H-7-H	Sample I.D.	C	Maytou	Lea Collin	S joux 36 State	0375 Project	Fax #:	would lity state:	3217 N Mac	Kellan S	NIGE	3/3) 393-2326 FAX (5/5) 393-24/6
Corrected Temp. °C 12 Cool Intact Corrected Temp. °C 12 CYes XYes No COOL Intact	Receive	ny claim arising w deemed waived u g without limitation ardinal, regardles					(G)RAB OR (C)O # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE			4	14-SH Prod. Fac 8	Project Owner: CHZA		OL Zip: 73142	Have Blva	J. M. C.		393-24/6
(Initials)	CHECKED BY:	hether based in contract or tort, shall be limited to the amount paid by the client for in niess made in writing and received by Cardinal within 30 days after completion of the tousiness interruptions, loss of use, or loss of profits incurred by client, its subsidiarie business interruptions, loss of use, or loss of profits above stated reasons or otherwises.				3	OTHER: ACID/BASE: ICE / COOL COTHER:	PRESERV. SAM	Fax #:	Phone #:	State: Zip:	City:	Address:	Attn:	Company:	P.O. #:	BILL TO	
Rush Thermometer ID #140 Correction Factor -0.6°C	ult: Yeare emailed.	pplicable				600	TIME	SAMPLING	SA	0								
	ovide Email address: Bacteria (only) Sample Condition		•			7	Hold	01	S	77	rea f	Q T	e o	rit			ANALYSIS REQUEST	
0			,															



January 28, 2025

KELLAN SMITH

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: SIOUX 36 STATE 1H-5H PROD. FRAC

Enclosed are the results of analyses for samples received by the laboratory on 01/27/25 13:42.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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)

Celey D. Keine

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. Keene

Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Fax

 Received:
 01/27/2025
 Sampling Date:
 01/27/2025

 Reported:
 01/28/2025
 Sampling Type:
 Soil

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact

Project Number: 249376 Sample Received By: Shalyn Rodriguez

A I J D. ... 711

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 1 5.5' (H250472-01)

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	01/27/2025	ND	2.07	104	2.00	6.78	
Toluene*	<0.050	0.050	01/27/2025	ND	2.34	117	2.00	1.89	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.51	126	2.00	4.00	QM-07
Total Xylenes*	<0.150	0.150	01/27/2025	ND	7.67	128	6.00	3.68	QM-07
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	120	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/28/2025	ND	416	104	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	01/28/2025	ND	204	102	200	3.52	
DRO >C10-C28*	<10.0	10.0	01/28/2025	ND	200	99.9	200	3.94	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Frene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 2 5.5' (H250472-02)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	2.07	104	2.00	6.78	
Toluene*	<0.050	0.050	01/27/2025	ND	2.34	117	2.00	1.89	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.51	126	2.00	4.00	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	7.67	128	6.00	3.68	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/28/2025	ND	416	104	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	01/27/2025	ND	208	104	200	1.37	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	205	102	200	0.967	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	93.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.4	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact Shalyn Rodriguez Project Number: 249376 Sample Received By:

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 3 5.5' (H250472-03)

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	01/27/2025	ND	2.07	104	2.00	6.78	
Toluene*	<0.050	0.050	01/27/2025	ND	2.34	117	2.00	1.89	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.51	126	2.00	4.00	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	7.67	128	6.00	3.68	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	120 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	01/28/2025	ND	416	104	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	01/27/2025	ND	208	104	200	1.37	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	205	102	200	0.967	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	94.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.6	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



01/27/2025

Cool & Intact

Shalyn Rodriguez

Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Sampling Date:

Sampling Condition:

Sample Received By:

Received: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC
Project Number: 249376

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 4 6.5' (H250472-04)

BTEX 8021B	mg	/kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	2.07	104	2.00	6.78	
Toluene*	<0.050	0.050	01/27/2025	ND	2.34	117	2.00	1.89	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.51	126	2.00	4.00	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	7.67	128	6.00	3.68	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	118	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	01/28/2025	ND	416	104	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	01/27/2025	ND	208	104	200	1.37	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	205	102	200	0.967	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey & Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 5 6.5' (H250472-05)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	2.07	104	2.00	6.78	
Toluene*	<0.050	0.050	01/27/2025	ND	2.34	117	2.00	1.89	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.51	126	2.00	4.00	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	7.67	128	6.00	3.68	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	121	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	01/28/2025	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	208	104	200	1.37	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	205	102	200	0.967	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.1	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey & Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact Shalyn Rodriguez Project Number: 249376 Sample Received By:

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 6 6.5' (H250472-06)

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	01/27/2025	ND	2.07	104	2.00	6.78	
Toluene*	<0.050	0.050	01/27/2025	ND	2.34	117	2.00	1.89	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.51	126	2.00	4.00	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	7.67	128	6.00	3.68	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	01/28/2025	ND	416	104	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	01/28/2025	ND	204	102	200	3.52	
DRO >C10-C28*	<10.0	10.0	01/28/2025	ND	200	99.9	200	3.94	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					
Surrogate: 1-Chlorooctane	109 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 7 6.5' (H250472-07)

RTFY 8021R

B1EX 8021B	mg,	^и кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	2.07	104	2.00	6.78	
Toluene*	<0.050	0.050	01/27/2025	ND	2.34	117	2.00	1.89	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.51	126	2.00	4.00	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	7.67	128	6.00	3.68	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	126	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	01/28/2025	ND	416	104	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	01/27/2025	ND	208	104	200	1.37	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	205	102	200	0.967	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.4	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

 Received:
 01/27/2025
 Sampling Date:
 01/27/2025

 Reported:
 01/28/2025
 Sampling Type:
 Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 8 5.5' (H250472-08)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	2.07	104	2.00	6.78	
Toluene*	<0.050	0.050	01/27/2025	ND	2.34	117	2.00	1.89	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.51	126	2.00	4.00	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	7.67	128	6.00	3.68	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	01/28/2025	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2025	ND	204	102	200	3.52	
DRO >C10-C28*	<10.0	10.0	01/28/2025	ND	200	99.9	200	3.94	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					
Surrogate: 1-Chlorooctane	111	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 9 5.5' (H250472-09)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	2.07	104	2.00	6.78	
Toluene*	<0.050	0.050	01/27/2025	ND	2.34	117	2.00	1.89	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.51	126	2.00	4.00	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	7.67	128	6.00	3.68	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	01/28/2025	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	208	104	200	1.37	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	205	102	200	0.967	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.6	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact Project Number: 249376 Sample Received By: Shalyn Rodriguez

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 10 5.5' (H250472-10)

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	01/27/2025	ND	2.07	104	2.00	6.78	
Toluene*	<0.050	0.050	01/27/2025	ND	2.34	117	2.00	1.89	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.51	126	2.00	4.00	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	7.67	128	6.00	3.68	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	01/28/2025	ND	416	104	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	01/28/2025	ND	204	102	200	3.52	
DRO >C10-C28*	36.4	10.0	01/28/2025	ND	200	99.9	200	3.94	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					
Surrogate: 1-Chlorooctane	113 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact Project Number: 249376 Sample Received By: Shalyn Rodriguez

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 11 5.5' (H250472-11)

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	01/27/2025	ND	2.07	104	2.00	6.78	
Toluene*	<0.050	0.050	01/27/2025	ND	2.34	117	2.00	1.89	
Ethylbenzene*	< 0.050	0.050	01/27/2025	ND	2.51	126	2.00	4.00	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	7.67	128	6.00	3.68	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	120 %	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/28/2025	ND	416	104	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	01/28/2025	ND	204	102	200	3.52	
DRO >C10-C28*	40.6	10.0	01/28/2025	ND	200	99.9	200	3.94	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					
Surrogate: 1-Chlorooctane	111 %	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 %	6 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 12 5.5' (H250472-12)

RTFY 8021R

B1EX 8021B	mg,	кg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	2.07	104	2.00	6.78	
Toluene*	<0.050	0.050	01/27/2025	ND	2.34	117	2.00	1.89	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.51	126	2.00	4.00	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	7.67	128	6.00	3.68	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	01/28/2025	ND	416	104	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	01/28/2025	ND	204	102	200	3.52	
DRO >C10-C28*	18.7	10.0	01/28/2025	ND	200	99.9	200	3.94	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 13 5.5' (H250472-13)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	2.07	104	2.00	6.78	
Toluene*	<0.050	0.050	01/27/2025	ND	2.34	117	2.00	1.89	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.51	126	2.00	4.00	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	7.67	128	6.00	3.68	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/28/2025	ND	416	104	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	01/28/2025	ND	204	102	200	3.52	
DRO >C10-C28*	22.1	10.0	01/28/2025	ND	200	99.9	200	3.94	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey & Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025

Sampling Date: 01/27/2025

Reported: 01/28/2025

Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Project Number: 249376 Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 14 5.5' (H250472-14)

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	01/27/2025	ND	2.07	104	2.00	6.78	
Toluene*	<0.050	0.050	01/27/2025	ND	2.34	117	2.00	1.89	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.51	126	2.00	4.00	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	7.67	128	6.00	3.68	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	01/28/2025	ND	416	104	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	01/28/2025	ND	204	102	200	3.52	
DRO >C10-C28*	21.7	10.0	01/28/2025	ND	200	99.9	200	3.94	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact Project Number: 249376 Sample Received By: Shalyn Rodriguez

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 15 5.5' (H250472-15)

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	01/27/2025	ND	2.07	104	2.00	6.78	
Toluene*	<0.050	0.050	01/27/2025	ND	2.34	117	2.00	1.89	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.51	126	2.00	4.00	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	7.67	128	6.00	3.68	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/28/2025	ND	416	104	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	01/27/2025	ND	208	104	200	1.37	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	205	102	200	0.967	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	93.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 16 5.5' (H250472-16)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	2.07	104	2.00	6.78	
Toluene*	<0.050	0.050	01/27/2025	ND	2.34	117	2.00	1.89	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.51	126	2.00	4.00	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	7.67	128	6.00	3.68	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	127	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/28/2025	ND	416	104	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	01/27/2025	ND	208	104	200	1.37	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	205	102	200	0.967	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	97.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.3	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 17 5.5' (H250472-17)

RTFY 8021R

B1EX 8021B	mg,	кg	Апануге	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	2.07	104	2.00	6.78	
Toluene*	<0.050	0.050	01/27/2025	ND	2.34	117	2.00	1.89	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.51	126	2.00	4.00	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	7.67	128	6.00	3.68	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	122 5	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/28/2025	ND	416	104	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	01/28/2025	ND	204	102	200	3.52	
DRO >C10-C28*	<10.0	10.0	01/28/2025	ND	200	99.9	200	3.94	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 18 3.5' (H250472-18)

RTFY 8021R

BIEX 8021B	mg,	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	2.07	104	2.00	6.78	
Toluene*	<0.050	0.050	01/27/2025	ND	2.34	117	2.00	1.89	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.51	126	2.00	4.00	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	7.67	128	6.00	3.68	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	121	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/28/2025	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	208	104	200	1.37	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	205	102	200	0.967	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.1	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 19 3.5' (H250472-19)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	1.98	99.0	2.00	2.14	
Toluene*	<0.050	0.050	01/27/2025	ND	2.07	103	2.00	2.53	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.05	103	2.00	2.97	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.13	102	6.00	1.94	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	01/28/2025	ND	448	112	400	3.51	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2025	ND	204	102	200	3.52	
DRO >C10-C28*	134	10.0	01/28/2025	ND	200	99.9	200	3.94	
EXT DRO >C28-C36	14.5	10.0	01/28/2025	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 20 3.5' (H250472-20)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	1.98	99.0	2.00	2.14	
Toluene*	<0.050	0.050	01/27/2025	ND	2.07	103	2.00	2.53	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.05	103	2.00	2.97	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.13	102	6.00	1.94	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	01/28/2025	ND	448	112	400	3.51	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2025	ND	204	102	200	3.52	
DRO >C10-C28*	36.7	10.0	01/28/2025	ND	200	99.9	200	3.94	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	18						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact Project Number: 249376 Sample Received By: Shalyn Rodriguez

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 21 3.5' (H250472-21)

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	01/27/2025	ND	1.98	99.0	2.00	2.14	
Toluene*	<0.050	0.050	01/27/2025	ND	2.07	103	2.00	2.53	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.05	103	2.00	2.97	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.13	102	6.00	1.94	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/28/2025	ND	448	112	400	3.51	
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	01/27/2025	ND	195	97.5	200	2.04	
DRO >C10-C28*	28.4	10.0	01/27/2025	ND	196	97.9	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	92.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.0	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 22 3.5' (H250472-22)

BTEX 8021B

	9/	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	1.98	99.0	2.00	2.14	
Toluene*	<0.050	0.050	01/27/2025	ND	2.07	103	2.00	2.53	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.05	103	2.00	2.97	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.13	102	6.00	1.94	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/28/2025	ND	448	112	400	3.51	
TPH 8015M	mg	/kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	195	97.5	200	2.04	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	196	97.9	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	89.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.6	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact Project Number: 249376 Sample Received By: Shalyn Rodriguez

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 23 3.5' (H250472-23)

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	01/27/2025	ND	1.98	99.0	2.00	2.14	
Toluene*	<0.050	0.050	01/27/2025	ND	2.07	103	2.00	2.53	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.05	103	2.00	2.97	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.13	102	6.00	1.94	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/28/2025	ND	448	112	400	3.51	
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	01/27/2025	ND	195	97.5	200	2.04	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	196	97.9	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	90.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.0	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact Project Number: 249376 Sample Received By: Shalyn Rodriguez

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 24 3.5' (H250472-24)

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	01/27/2025	ND	1.98	99.0	2.00	2.14	
Toluene*	<0.050	0.050	01/27/2025	ND	2.07	103	2.00	2.53	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.05	103	2.00	2.97	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.13	102	6.00	1.94	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/28/2025	ND	448	112	400	3.51	
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	01/27/2025	ND	195	97.5	200	2.04	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	196	97.9	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	97.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.3	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025

Sampling Date: 01/27/2025

Reported: 01/28/2025 SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Type: Soil

Project Name:

Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez

Project Number: 249376

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 25 3.5' (H250472-25)

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	01/27/2025	ND	1.98	99.0	2.00	2.14	
Toluene*	<0.050	0.050	01/27/2025	ND	2.07	103	2.00	2.53	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.05	103	2.00	2.97	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.13	102	6.00	1.94	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/28/2025	ND	448	112	400	3.51	
TPH 8015M	mg,	/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	195	97.5	200	2.04	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	196	97.9	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	92.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.5	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 26 3.5' (H250472-26)

BTEX 8021B

DILX GOZID	mg/kg		Allulyzo	Alluly2Cu Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	1.98	99.0	2.00	2.14	
Toluene*	<0.050	0.050	01/27/2025	ND	2.07	103	2.00	2.53	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.05	103	2.00	2.97	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.13	102	6.00	1.94	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/28/2025	ND	448	112	400	3.51	
TPH 8015M	mg,	/kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	195	97.5	200	2.04	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	196	97.9	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	93.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.3	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 27 3.5' (H250472-27)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	1.98	99.0	2.00	2.14	
Toluene*	<0.050	0.050	01/27/2025	ND	2.07	103	2.00	2.53	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.05	103	2.00	2.97	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.13	102	6.00	1.94	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/28/2025	ND	448	112	400	3.51	
TPH 8015M	mg	/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	195	97.5	200	2.04	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	196	97.9	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	89.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.8	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 28 3.5' (H250472-28)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	1.98	99.0	2.00	2.14	
Toluene*	<0.050	0.050	01/27/2025	ND	2.07	103	2.00	2.53	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.05	103	2.00	2.97	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.13	102	6.00	1.94	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/28/2025	ND	448	112	400	3.51	
TPH 8015M	mg	/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	195	97.5	200	2.04	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	196	97.9	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	94.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey & Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact Shalyn Rodriguez Project Number: 249376 Sample Received By:

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 29 2.5' (H250472-29)

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	01/27/2025	ND	1.98	99.0	2.00	2.14	
Toluene*	<0.050	0.050	01/27/2025	ND	2.07	103	2.00	2.53	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.05	103	2.00	2.97	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.13	102	6.00	1.94	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/28/2025	ND	448	112	400	3.51	
TPH 8015M	mg/	kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	195	97.5	200	2.04	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	196	97.9	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	82.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.4	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 30 2.5' (H250472-30)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	1.98	99.0	2.00	2.14	
Toluene*	<0.050	0.050	01/27/2025	ND	2.07	103	2.00	2.53	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.05	103	2.00	2.97	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.13	102	6.00	1.94	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/28/2025	ND	448	112	400	3.51	
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	01/27/2025	ND	195	97.5	200	2.04	
DRO >C10-C28*	37.9	10.0	01/27/2025	ND	196	97.9	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	91.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.3	% 49.1-14	18						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact Sample Received By: Project Number: 249376 Shalyn Rodriguez

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 31 2.5' (H250472-31)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS %	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	1.98	99.0	2.00	2.14	
Toluene*	<0.050	0.050	01/27/2025	ND	2.07	103	2.00	2.53	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.05	103	2.00	2.97	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.13	102	6.00	1.94	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	01/28/2025	ND	448	112	400	3.51	
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	01/27/2025	ND	195	97.5	200	2.04	
DRO >C10-C28*	72.4	10.0	01/27/2025	ND	196	97.9	200	2.48	
EXT DRO >C28-C36	10.3	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	98.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	'8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact Project Number: 249376 Sample Received By: Shalyn Rodriguez

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 32 2.5' (H250472-32)

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	01/27/2025	ND	1.98	99.0	2.00	2.14	
Toluene*	<0.050	0.050	01/27/2025	ND	2.07	103	2.00	2.53	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.05	103	2.00	2.97	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.13	102	6.00	1.94	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	01/28/2025	ND	448	112	400	3.51	
TPH 8015M	mg/	'kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	195	97.5	200	2.04	
DRO >C10-C28*	25.1	10.0	01/27/2025	ND	196	97.9	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	88.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.4	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 33 2.5' (H250472-33)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	1.98	99.0	2.00	2.14	
Toluene*	<0.050	0.050	01/27/2025	ND	2.07	103	2.00	2.53	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.05	103	2.00	2.97	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.13	102	6.00	1.94	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	01/28/2025	ND	448	112	400	3.51	
TPH 8015M	mg,	/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	195	97.5	200	2.04	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	196	97.9	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	90.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.2	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 34 2.5' (H250472-34)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	1.98	99.0	2.00	2.14	
Toluene*	<0.050	0.050	01/27/2025	ND	2.07	103	2.00	2.53	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.05	103	2.00	2.97	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.13	102	6.00	1.94	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	01/28/2025	ND	448	112	400	3.51	
TPH 8015M	mg,	/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	195	97.5	200	2.04	
DRO >C10-C28*	28.6	10.0	01/27/2025	ND	196	97.9	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	91.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.8	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 35 2.5' (H250472-35)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	1.98	99.0	2.00	2.14	
Toluene*	<0.050	0.050	01/27/2025	ND	2.07	103	2.00	2.53	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.05	103	2.00	2.97	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.13	102	6.00	1.94	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	01/28/2025	ND	448	112	400	3.51	
TPH 8015M	mg,	/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	195	97.5	200	2.04	
DRO >C10-C28*	23.0	10.0	01/27/2025	ND	196	97.9	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	94.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.5	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact Project Number: Sample Received By: 249376 Shalyn Rodriguez

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 36 2.5' (H250472-36)

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	01/27/2025	ND	1.98	99.0	2.00	2.14	
Toluene*	<0.050	0.050	01/27/2025	ND	2.07	103	2.00	2.53	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.05	103	2.00	2.97	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.13	102	6.00	1.94	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/28/2025	ND	448	112	400	3.51	
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	01/27/2025	ND	195	97.5	200	2.04	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	196	97.9	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	95.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.6	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 37 2.5' (H250472-37)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	1.98	99.0	2.00	2.14	
Toluene*	<0.050	0.050	01/27/2025	ND	2.07	103	2.00	2.53	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.05	103	2.00	2.97	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.13	102	6.00	1.94	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/28/2025	ND	448	112	400	3.51	
TPH 8015M	mg	/kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	195	97.5	200	2.04	
DRO >C10-C28*	52.4	10.0	01/27/2025	ND	196	97.9	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	95.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.8	% 49.1-14	18						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact Project Number: 249376 Sample Received By: Shalyn Rodriguez

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 38 2.5' (H250472-38)

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	01/27/2025	ND	1.98	99.0	2.00	2.14	
Toluene*	<0.050	0.050	01/27/2025	ND	2.07	103	2.00	2.53	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.05	103	2.00	2.97	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.13	102	6.00	1.94	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/28/2025	ND	448	112	400	3.51	
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	01/27/2025	ND	195	97.5	200	2.04	
DRO >C10-C28*	21.7	10.0	01/27/2025	ND	196	97.9	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	93.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.3	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 39 2.5' (H250472-39)

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	01/27/2025	ND	1.98	99.2	2.00	0.795	
Toluene*	<0.050	0.050	01/27/2025	ND	2.08	104	2.00	0.722	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	1.99	99.6	2.00	0.686	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	5.83	97.2	6.00	0.734	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/28/2025	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	01/28/2025	ND	195	97.5	200	2.04	
DRO >C10-C28*	41.6	10.0	01/28/2025	ND	196	97.9	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					
Surrogate: 1-Chlorooctane	92.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.1	% 49.1-14	18						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil
Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact

Project Number: 249376 Sample Received By: Shalyn Rodriguez

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 40 2.5' (H250472-40)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	1.98	99.2	2.00	0.795	
Toluene*	<0.050	0.050	01/27/2025	ND	2.08	104	2.00	0.722	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	1.99	99.6	2.00	0.686	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	5.83	97.2	6.00	0.734	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/28/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2025	ND	195	97.5	200	2.04	
DRO >C10-C28*	66.6	10.0	01/28/2025	ND	196	97.9	200	2.48	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact Project Number: 249376 Sample Received By: Shalyn Rodriguez

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 41 2.5' (H250472-41)

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	01/27/2025	ND	1.98	99.2	2.00	0.795	
Toluene*	<0.050	0.050	01/27/2025	ND	2.08	104	2.00	0.722	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	1.99	99.6	2.00	0.686	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	5.83	97.2	6.00	0.734	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.1	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/28/2025	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	01/27/2025	ND	200	100	200	0.772	
DRO >C10-C28*	14.6	10.0	01/27/2025	ND	198	99.0	200	0.387	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	100 5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 42 2.5' (H250472-42)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	1.98	99.2	2.00	0.795	
Toluene*	<0.050	0.050	01/27/2025	ND	2.08	104	2.00	0.722	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	1.99	99.6	2.00	0.686	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	5.83	97.2	6.00	0.734	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.1	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/28/2025	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	01/27/2025	ND	200	100	200	0.772	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	198	99.0	200	0.387	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	93.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.3	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 43 2.5' (H250472-43)

RTFY 8021R

31EX 8021B	mg	/ Kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	1.98	99.2	2.00	0.795	
Toluene*	<0.050	0.050	01/27/2025	ND	2.08	104	2.00	0.722	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	1.99	99.6	2.00	0.686	
Fotal Xylenes*	<0.150	0.150	01/27/2025	ND	5.83	97.2	6.00	0.734	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (P.	ID 94.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/28/2025	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	200	100	200	0.772	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	198	99.0	200	0.387	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	95.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.5	% 49.1-14	8						
<u> </u>									

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 44 2.5' (H250472-44)

BTEX 8021B

				. ,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	1.98	99.2	2.00	0.795	
Toluene*	<0.050	0.050	01/27/2025	ND	2.08	104	2.00	0.722	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	1.99	99.6	2.00	0.686	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	5.83	97.2	6.00	0.734	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.5	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/28/2025	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	01/27/2025	ND	200	100	200	0.772	
DRO >C10-C28*	26.4	10.0	01/27/2025	ND	198	99.0	200	0.387	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	92.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.1	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez Project Number: 249376

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 45 2.5' (H250472-45)

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	01/27/2025	ND	1.98	99.2	2.00	0.795	
Toluene*	<0.050	0.050	01/27/2025	ND	2.08	104	2.00	0.722	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	1.99	99.6	2.00	0.686	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	5.83	97.2	6.00	0.734	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/28/2025	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	01/27/2025	ND	200	100	200	0.772	
DRO >C10-C28*	10.8	10.0	01/27/2025	ND	198	99.0	200	0.387	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	89.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.5	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 46 2.5' (H250472-46)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	1.98	99.2	2.00	0.795	
Toluene*	<0.050	0.050	01/27/2025	ND	2.08	104	2.00	0.722	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	1.99	99.6	2.00	0.686	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	5.83	97.2	6.00	0.734	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/28/2025	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	01/27/2025	ND	200	100	200	0.772	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	198	99.0	200	0.387	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	91.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.8	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 47 2.5' (H250472-47)

BTEX 8021B

	9/	9	7						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	1.98	99.2	2.00	0.795	
Toluene*	<0.050	0.050	01/27/2025	ND	2.08	104	2.00	0.722	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	1.99	99.6	2.00	0.686	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	5.83	97.2	6.00	0.734	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.0	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/28/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	200	100	200	0.772	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	198	99.0	200	0.387	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	92.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.5	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 48 2.5' (H250472-48)

BTEX 8021B

	<u> </u>			. ,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	1.98	99.2	2.00	0.795	
Toluene*	<0.050	0.050	01/27/2025	ND	2.08	104	2.00	0.722	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	1.99	99.6	2.00	0.686	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	5.83	97.2	6.00	0.734	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.7	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/28/2025	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	01/27/2025	ND	200	100	200	0.772	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	198	99.0	200	0.387	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	89.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.1	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey & Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 49 2.5' (H250472-49)

BTEX 8021B

	9/	9	7	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	1.98	99.2	2.00	0.795	
Toluene*	<0.050	0.050	01/27/2025	ND	2.08	104	2.00	0.722	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	1.99	99.6	2.00	0.686	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	5.83	97.2	6.00	0.734	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.8	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/28/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	200	100	200	0.772	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	198	99.0	200	0.387	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	97.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.4	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Shalyn Rodriguez

Sample Received By:

Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil
Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact

Project Number: 249376

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 50 2.5' (H250472-50)

BTEX 8021B	mg/kg		Analyze	Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	1.98	99.2	2.00	0.795	
Toluene*	<0.050	0.050	01/27/2025	ND	2.08	104	2.00	0.722	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	1.99	99.6	2.00	0.686	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	5.83	97.2	6.00	0.734	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.8	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/28/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	200	100	200	0.772	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	198	99.0	200	0.387	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	87.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.5	% 49.1-14	18						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 51 2.5' (H250472-51)

BTEX 8021B

	<u> </u>			. ,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	1.98	99.2	2.00	0.795	
Toluene*	<0.050	0.050	01/27/2025	ND	2.08	104	2.00	0.722	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	1.99	99.6	2.00	0.686	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	5.83	97.2	6.00	0.734	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.9	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/28/2025	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	01/27/2025	ND	200	100	200	0.772	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	198	99.0	200	0.387	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	95.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.7	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



01/27/2025

Shalyn Rodriguez

Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

01/27/2025 Sampling Date:

Analyzed By: JH

Sample Received By:

Reported: 01/28/2025 Sampling Type: Soil
Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact

Project Number: 249376

Received:

BTEX 8021B

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 52 2.5' (H250472-52)

Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.050	0.050	01/27/2025	ND	1.98	99.2	2.00	0.795	
<0.050	0.050	01/27/2025	ND	2.08	104	2.00	0.722	
<0.050	0.050	01/27/2025	ND	1.99	99.6	2.00	0.686	
<0.150	0.150	01/27/2025	ND	5.83	97.2	6.00	0.734	
<0.300	0.300	01/27/2025	ND					
93.6	% 71.5-13	4						
mg/	/kg	Analyze	d By: KV					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
64.0	16.0	01/28/2025	ND	416	104	400	3.77	
	<0.050 <0.050 <0.050 <0.150 <0.300 93.6 mg/	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

Analyte	Result	Reporting Limit	Analyzeu	riculou blank	55	70 Recovery	True value QC	KI D	Qualifier
Chloride	64.0	16.0	01/28/2025	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	01/27/2025	ND	200	100	200	0.772	
DRO >C10-C28*	44.4	10.0	01/27/2025	ND	198	99.0	200	0.387	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134 Surrogate: 1-Chlorooctadecane 90.3 % 49.1-148

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact Project Number: Sample Received By: 249376 Shalyn Rodriguez

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 53 2.5' (H250472-53)

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	01/27/2025	ND	1.98	99.2	2.00	0.795	
Toluene*	<0.050	0.050	01/27/2025	ND	2.08	104	2.00	0.722	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	1.99	99.6	2.00	0.686	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	5.83	97.2	6.00	0.734	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/28/2025	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	01/27/2025	ND	200	100	200	0.772	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	198	99.0	200	0.387	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	98.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact Project Number: 249376 Sample Received By: Shalyn Rodriguez

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 54 2.5' (H250472-54)

BTEX 8021B	mg/	/kg	Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	1.98	99.2	2.00	0.795	
Toluene*	<0.050	0.050	01/27/2025	ND	2.08	104	2.00	0.722	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	1.99	99.6	2.00	0.686	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	5.83	97.2	6.00	0.734	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.8	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/28/2025	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	01/27/2025	ND	200	100	200	0.772	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	198	99.0	200	0.387	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	95.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.1	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact Sample Received By: Shalyn Rodriguez Project Number: 249376

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 55 2.5' (H250472-55)

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	01/27/2025	ND	1.98	99.2	2.00	0.795	
Toluene*	<0.050	0.050	01/27/2025	ND	2.08	104	2.00	0.722	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	1.99	99.6	2.00	0.686	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	5.83	97.2	6.00	0.734	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/28/2025	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	01/27/2025	ND	200	100	200	0.772	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	198	99.0	200	0.387	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	98.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 56 2.5' (H250472-56)

BTEX 8021B

	9/	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	1.98	99.2	2.00	0.795	
Toluene*	<0.050	0.050	01/27/2025	ND	2.08	104	2.00	0.722	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	1.99	99.6	2.00	0.686	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	5.83	97.2	6.00	0.734	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/28/2025	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	200	100	200	0.772	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	198	99.0	200	0.387	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	89.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.0	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 57 2.5' (H250472-57)

RTFY 8021R

BIEX 8021B	mg,	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	1.98	99.2	2.00	0.795	
Toluene*	<0.050	0.050	01/27/2025	ND	2.08	104	2.00	0.722	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	1.99	99.6	2.00	0.686	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	5.83	97.2	6.00	0.734	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/28/2025	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	200	100	200	0.772	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	198	99.0	200	0.387	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	99.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 58 2.5' (H250472-58)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	1.98	99.2	2.00	0.795	
Toluene*	<0.050	0.050	01/27/2025	ND	2.08	104	2.00	0.722	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	1.99	99.6	2.00	0.686	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	5.83	97.2	6.00	0.734	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.3	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/28/2025	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	01/28/2025	ND	200	100	200	0.772	
DRO >C10-C28*	14.8	10.0	01/28/2025	ND	198	99.0	200	0.387	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 59 2.5' (H250472-59)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	2.19	110	2.00	1.32	
Toluene*	<0.050	0.050	01/27/2025	ND	2.27	114	2.00	1.83	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.31	115	2.00	2.15	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.99	116	6.00	1.94	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/28/2025	ND	448	112	400	3.51	
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	01/28/2025	ND	200	100	200	0.772	
DRO >C10-C28*	78.2	10.0	01/28/2025	ND	198	99.0	200	0.387	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 60 2.5' (H250472-60)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	2.19	110	2.00	1.32	
Toluene*	<0.050	0.050	01/27/2025	ND	2.27	114	2.00	1.83	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.31	115	2.00	2.15	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.99	116	6.00	1.94	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/28/2025	ND	448	112	400	3.51	
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	01/28/2025	ND	200	100	200	0.772	
DRO >C10-C28*	165	10.0	01/28/2025	ND	198	99.0	200	0.387	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 61 2.5' (H250472-61)

RTFY 8021R

B1EX 8021B	mg,	rky	Апануге	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	2.19	110	2.00	1.32	
Toluene*	<0.050	0.050	01/27/2025	ND	2.27	114	2.00	1.83	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.31	115	2.00	2.15	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.99	116	6.00	1.94	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/28/2025	ND	448	112	400	3.51	
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	01/28/2025	ND	194	97.2	200	0.374	
DRO >C10-C28*	12.1	10.0	01/28/2025	ND	202	101	200	0.565	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					
Surrogate: 1-Chlorooctane	99.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 62 2.5' (H250472-62)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	2.19	110	2.00	1.32	
Toluene*	<0.050	0.050	01/27/2025	ND	2.27	114	2.00	1.83	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.31	115	2.00	2.15	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.99	116	6.00	1.94	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/28/2025	ND	448	112	400	3.51	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	194	97.2	200	0.374	
DRO >C10-C28*	85.6	10.0	01/27/2025	ND	202	101	200	0.565	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	84.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.3	% 49.1-14	18						

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 63 2.5' (H250472-63)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	2.19	110	2.00	1.32	
Toluene*	<0.050	0.050	01/27/2025	ND	2.27	114	2.00	1.83	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.31	115	2.00	2.15	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.99	116	6.00	1.94	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/28/2025	ND	448	112	400	3.51	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	194	97.2	200	0.374	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	202	101	200	0.565	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	86.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.7	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Applyzod By: 14

Received: 01/27/2025

Sampling Date: 01/27/2025

Reported: 01/28/2025 Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Type: Soil

Project Number: 249376

Sampling Condition: Cool & Intact
Sample Received By: Shalyn Rodriguez

Project Location: CAZA - LEA CO, NM

Sample ID: SW - 1 0-5.5' (H250472-64)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	2.19	110	2.00	1.32	
Toluene*	<0.050	0.050	01/27/2025	ND	2.27	114	2.00	1.83	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.31	115	2.00	2.15	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.99	116	6.00	1.94	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/28/2025	ND	448	112	400	3.51	
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	01/27/2025	ND	194	97.2	200	0.374	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	202	101	200	0.565	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	85.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.4	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: CAZA - LEA CO, NM

Sample ID: SW - 2 0-5.5' (H250472-65)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Alldiyac	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	2.19	110	2.00	1.32	
Toluene*	<0.050	0.050	01/27/2025	ND	2.27	114	2.00	1.83	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.31	115	2.00	2.15	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.99	116	6.00	1.94	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/28/2025	ND	448	112	400	3.51	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	194	97.2	200	0.374	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	202	101	200	0.565	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	82.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: CAZA - LEA CO, NM

Sample ID: SW - 3 0-5.5' (H250472-66)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	2.19	110	2.00	1.32	
Toluene*	<0.050	0.050	01/27/2025	ND	2.27	114	2.00	1.83	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.31	115	2.00	2.15	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.99	116	6.00	1.94	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	01/28/2025	ND	448	112	400	3.51	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	194	97.2	200	0.374	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	202	101	200	0.565	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	84.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.8	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact Sample Received By: Project Number: 249376 Shalyn Rodriguez

Project Location: CAZA - LEA CO, NM

Sample ID: SW - 4 0-5.5' (H250472-67)

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	01/27/2025	ND	2.19	110	2.00	1.32	
Toluene*	<0.050	0.050	01/27/2025	ND	2.27	114	2.00	1.83	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.31	115	2.00	2.15	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.99	116	6.00	1.94	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	01/28/2025	ND	448	112	400	3.51	
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	01/27/2025	ND	194	97.2	200	0.374	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	202	101	200	0.565	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	86.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.0	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: CAZA - LEA CO, NM

Sample ID: SW - 5 0-5.5' (H250472-68)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	2.19	110	2.00	1.32	
Toluene*	<0.050	0.050	01/27/2025	ND	2.27	114	2.00	1.83	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.31	115	2.00	2.15	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.99	116	6.00	1.94	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/28/2025	ND	448	112	400	3.51	
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	01/27/2025	ND	194	97.2	200	0.374	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	202	101	200	0.565	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	88.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.4	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



01/27/2025

Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date:

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact Sample Received By: Project Number: 249376 Shalyn Rodriguez

Project Location: CAZA - LEA CO, NM

Sample ID: SW - 6 0-5.5' (H250472-69)

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	01/27/2025	ND	2.19	110	2.00	1.32	
Toluene*	<0.050	0.050	01/27/2025	ND	2.27	114	2.00	1.83	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.31	115	2.00	2.15	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.99	116	6.00	1.94	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/28/2025	ND	448	112	400	3.51	
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	01/27/2025	ND	194	97.2	200	0.374	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	202	101	200	0.565	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	90.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.5	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Analyzed By: JH

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Project Location: CAZA - LEA CO, NM

mg/kg

Sample ID: SW - 7 3.5-5.5' (H250472-70)

BTEX 8021B

DILX GOZID	11197	ng .	Alldiyac	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	2.19	110	2.00	1.32	
Toluene*	<0.050	0.050	01/27/2025	ND	2.27	114	2.00	1.83	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.31	115	2.00	2.15	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.99	116	6.00	1.94	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/28/2025	ND	448	112	400	3.51	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	194	97.2	200	0.374	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	202	101	200	0.565	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	93.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.5	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Project Location: CAZA - LEA CO, NM

Sample ID: SW - 8 3.5-5.5' (H250472-71)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	2.19	110	2.00	1.32	
Toluene*	<0.050	0.050	01/27/2025	ND	2.27	114	2.00	1.83	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.31	115	2.00	2.15	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.99	116	6.00	1.94	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	01/28/2025	ND	448	112	400	3.51	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	194	97.2	200	0.374	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	202	101	200	0.565	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	90.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.3	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: CAZA - LEA CO, NM

Sample ID: SW - 9 2.5-5.5' (H250472-72)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	2.19	110	2.00	1.32	
Toluene*	<0.050	0.050	01/27/2025	ND	2.27	114	2.00	1.83	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.31	115	2.00	2.15	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.99	116	6.00	1.94	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	01/28/2025	ND	448	112	400	3.51	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2025	ND	194	97.2	200	0.374	
DRO >C10-C28*	<10.0	10.0	01/28/2025	ND	202	101	200	0.565	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					
Surrogate: 1-Chlorooctane	88.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.3	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: CAZA - LEA CO, NM

Sample ID: SW - 10 2.5-5.5' (H250472-73)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	2.19	110	2.00	1.32	
Toluene*	<0.050	0.050	01/27/2025	ND	2.27	114	2.00	1.83	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.31	115	2.00	2.15	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.99	116	6.00	1.94	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	01/28/2025	ND	448	112	400	3.51	
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	01/27/2025	ND	194	97.2	200	0.374	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	202	101	200	0.565	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	87.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.2	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact Project Number: Sample Received By: 249376 Shalyn Rodriguez

Project Location: CAZA - LEA CO, NM

Sample ID: SW - 11 0-3.5' (H250472-74)

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	01/27/2025	ND	2.19	110	2.00	1.32	
Toluene*	<0.050	0.050	01/27/2025	ND	2.27	114	2.00	1.83	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.31	115	2.00	2.15	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.99	116	6.00	1.94	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/28/2025	ND	448	112	400	3.51	
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	01/27/2025	ND	194	97.2	200	0.374	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	202	101	200	0.565	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	85.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.5	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Analyzed By: JH

Received: 01/27/2025

Sampling Date:

01/27/2025

Reported:

01/28/2025

Sampling Type:

Soil

Project Name:

BTEX 8021B

SIOUX 36 STATE 1H-5H PROD. FRAC

mg/kg

Sampling Condition: Sample Received By: Cool & Intact Shalyn Rodriguez

Project Number:

249376

Project Location:

CAZA - LEA CO, NM

Sample ID: SW - 12 0-3.5' (H250472-75)

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	2.19	110	2.00	1.32	
Toluene*	<0.050	0.050	01/27/2025	ND	2.27	114	2.00	1.83	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.31	115	2.00	2.15	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.99	116	6.00	1.94	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/28/2025	ND	448	112	400	3.51	
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	01/27/2025	ND	194	97.2	200	0.374	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	202	101	200	0.565	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	89.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Project Location: CAZA - LEA CO, NM

Sample ID: SW - 13 2.5'-3.5' (H250472-76)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	2.19	110	2.00	1.32	
Toluene*	<0.050	0.050	01/27/2025	ND	2.27	114	2.00	1.83	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.31	115	2.00	2.15	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.99	116	6.00	1.94	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/28/2025	ND	448	112	400	3.51	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2025	ND	194	97.2	200	0.374	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	202	101	200	0.565	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	92.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.5	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact Project Number: Sample Received By: 249376 Shalyn Rodriguez

Project Location: CAZA - LEA CO, NM

Sample ID: SW - 14 0-2.5' (H250472-77)

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	01/27/2025	ND	2.19	110	2.00	1.32	
Toluene*	<0.050	0.050	01/27/2025	ND	2.27	114	2.00	1.83	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.31	115	2.00	2.15	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.99	116	6.00	1.94	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/28/2025	ND	448	112	400	3.51	
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	01/27/2025	ND	194	97.2	200	0.374	
DRO >C10-C28*	<10.0	10.0	01/27/2025	ND	202	101	200	0.565	
EXT DRO >C28-C36	<10.0	10.0	01/27/2025	ND					
Surrogate: 1-Chlorooctane	87.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.1	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Applyzod By: 14

Project Location: CAZA - LEA CO, NM

Sample ID: SW - 15 0-2.5' (H250472-78)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2025	ND	2.19	110	2.00	1.32	
Toluene*	<0.050	0.050	01/27/2025	ND	2.27	114	2.00	1.83	
Ethylbenzene*	<0.050	0.050	01/27/2025	ND	2.31	115	2.00	2.15	
Total Xylenes*	<0.150	0.150	01/27/2025	ND	6.99	116	6.00	1.94	
Total BTEX	<0.300	0.300	01/27/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/28/2025	ND	448	112	400	3.51	
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	01/28/2025	ND	194	97.2	200	0.374	
DRO >C10-C28*	360	10.0	01/28/2025	ND	202	101	200	0.565	
EXT DRO >C28-C36	70.0	10.0	01/28/2025	ND					
Surrogate: 1-Chlorooctane	89.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.5	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Shalyn Rodriguez

Sample Received By:

Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Applyzod By: 14

 Received:
 01/27/2025
 Sampling Date:
 01/27/2025

 Reported:
 01/28/2025
 Sampling Type:
 Soil

Reported: 01/28/2025 Sampling Type: Soil
Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact

Project Number: 249376

Project Location: CAZA - LEA CO, NM

Sample ID: SW - 16 0-2.5' (H250472-79)

RTFY 8021R

B1EX 8021B	mg/	кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2025	ND	1.88	94.0	2.00	5.66	
Toluene*	<0.050	0.050	01/28/2025	ND	1.97	98.3	2.00	5.86	
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	1.88	94.0	2.00	6.13	
Total Xylenes*	<0.150	0.150	01/28/2025	ND	5.51	91.8	6.00	6.20	
Total BTEX	<0.300	0.300	01/28/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/28/2025	ND	416	104	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	01/28/2025	ND	194	97.2	200	0.374	
DRO >C10-C28*	<10.0	10.0	01/28/2025	ND	202	101	200	0.565	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					
Surrogate: 1-Chlorooctane	94.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.4	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg & Freene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact Sample Received By: Project Number: 249376 Shalyn Rodriguez

Project Location: CAZA - LEA CO, NM

Sample ID: SW - 17 0-2.5' (H250472-80)

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	01/28/2025	ND	1.88	94.0	2.00	5.66	
Toluene*	<0.050	0.050	01/28/2025	ND	1.97	98.3	2.00	5.86	
Ethylbenzene*	< 0.050	0.050	01/28/2025	ND	1.88	94.0	2.00	6.13	
Total Xylenes*	<0.150	0.150	01/28/2025	ND	5.51	91.8	6.00	6.20	
Total BTEX	<0.300	0.300	01/28/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.6	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/28/2025	ND	416	104	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	01/28/2025	ND	194	97.2	200	0.374	
DRO >C10-C28*	<10.0	10.0	01/28/2025	ND	202	101	200	0.565	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					
Surrogate: 1-Chlorooctane	85.1 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.8 9	% 49.1 - 14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/27/2025 Sampling Date: 01/27/2025

Reported: 01/28/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: CAZA - LEA CO, NM

mg/kg

Sample ID: SW - 18 0-2.5' (H250472-81)

BTEX 8021B

		Andryzo	u by. 511						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2025	ND	1.88	94.0	2.00	5.66	
Toluene*	<0.050	0.050	01/28/2025	ND	1.97	98.3	2.00	5.86	
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	1.88	94.0	2.00	6.13	
Total Xylenes*	<0.150	0.150	01/28/2025	ND	5.51	91.8	6.00	6.20	
Total BTEX	<0.300	0.300	01/28/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/28/2025	ND	416	104	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	01/28/2025	ND	189	94.6	200	20.5	
DRO >C10-C28*	<10.0	10.0	01/28/2025	ND	197	98.4	200	20.6	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					
Surrogate: 1-Chlorooctane	91.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.2	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

S-05



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

Notes and Definitions

The surrogate recovery is outside of lab established statistical control limits but still within method limits. Data is not adversely

3-03	affected.	isciy
QR-0	The RPD for the BS/BSD was outside of historical limits.	
QM-0	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable L recovery.	.CS
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected	ed.
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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client; is subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Freene

Chain of Custody





1/27/2025	Sci	5.8; 6,5 1/27/2025 X Comp 1 X X 3.6; 6,5 1/27/2025 X Comp 1 X X 5.5; 6,5 1/27/2025 X Comp 1 X X 5.5; 1/27/2025 X Comp 1 X X 5.6; 1/27/2025 X Comp 1 X X 5.6; 1/27/2025 X Comp 1 X X 5.6; 2 1/27/2025 X Comp 1 X X 5.6;	1/27/2025 X	1/27/2025 X	Depth (ft bgs) Date Time Soil Water Comp # of Comp 5.5' 1/27/2025 X Comp 1 X	Soil Water Grab # of Comp # of Comp 1 1/27/2025 X Comp	Yes No N/A Temperature Reading: 4.0 * 81 Corrected Temperature: 4.0 * # of grab/ # of comp 1/27/2025 X Comp 1 1 Comp 1 1 1/27/2025 X Comp <th>Yes No N/A Correction Factor. Co. U.S. Ac. U.S. A</th> <th>remp Blank: Yes No Wet Ice: Yes No Res No Received by: (Signature) Wet Ice: Yes No No No Thermometer ID: I You set No No No No Correction Factor: Soil Water Comp Comp 1/127/2025 B1 Corrected Temperature: You Comp 1/127/2025 X Comp Comp 1/127/2025 X Comp 1/</th> <th>Perp Blank: Yes (No N/A Correction Factor: 4.0 × Sino N/A Corrected Temperature Reading: 4.0 × Comp 1/27/2025 × Corrected Temperature: 4.0 × Comp 1/27/2025 × Comp 1/27/2025 × Comp 1/27/2025 × Comp 5/5 1/27/2025 × Comp 5/5 1/27/2025 × Comp 5/5 1/27/2025 × Comp 1/27/2025 × Comp 5/5 1/27/2025 × Comp 5/5 1/27/2025 × Comp 5/5 1/27/2025 × Comp 1/27/2</th> <th>Pemp Blank: Yes No NA Correction Factor: NO NIA Temperature Reading: 1/27/2025 X 1/27/2025 X 1/27/2025 X X X X X X X X X X X X X X X X X X X</th> <th>249376 Lea Co, NIM Due Date: At starts the day received by the lab, if received by 4:30pm TAT starts the day received by the lab, if received by 4:30pm TAT starts the day received by the lab, if received by 4:30pm Thermometer ID: Ves No Thermometer ID: Corrected Temperature: 4.0 * 1/27/2025 X Comp 1 Comp 1 Comp 1 Comp 1 Received by: (Signature)</th> <th>Sioux 36 State 1H-5H PF 249376 Lea Co, NM Lea Comp Lea C</th> <th> Sioux 36 State 1H-5H PF</th> <th> Comp Comp Comp Comp Comp Comp Comp Comp Signature) Comp C</th> <th> Serial NacArthur Blvd Size Size</th> <th> Company Name: 13212 N MacArthur Blvd</th>	Yes No N/A Correction Factor. Co. U.S. Ac. U.S. A	remp Blank: Yes No Wet Ice: Yes No Res No Received by: (Signature) Wet Ice: Yes No No No Thermometer ID: I You set No No No No Correction Factor: Soil Water Comp Comp 1/127/2025 B1 Corrected Temperature: You Comp 1/127/2025 X Comp Comp 1/127/2025 X Comp 1/	Perp Blank: Yes (No N/A Correction Factor: 4.0 × Sino N/A Corrected Temperature Reading: 4.0 × Comp 1/27/2025 × Corrected Temperature: 4.0 × Comp 1/27/2025 × Comp 1/27/2025 × Comp 1/27/2025 × Comp 5/5 1/27/2025 × Comp 5/5 1/27/2025 × Comp 5/5 1/27/2025 × Comp 1/27/2025 × Comp 5/5 1/27/2025 × Comp 5/5 1/27/2025 × Comp 5/5 1/27/2025 × Comp 1/27/2	Pemp Blank: Yes No NA Correction Factor: NO NIA Temperature Reading: 1/27/2025 X 1/27/2025 X 1/27/2025 X X X X X X X X X X X X X X X X X X X	249376 Lea Co, NIM Due Date: At starts the day received by the lab, if received by 4:30pm TAT starts the day received by the lab, if received by 4:30pm TAT starts the day received by the lab, if received by 4:30pm Thermometer ID: Ves No Thermometer ID: Corrected Temperature: 4.0 * 1/27/2025 X Comp 1 Comp 1 Comp 1 Comp 1 Received by: (Signature)	Sioux 36 State 1H-5H PF 249376 Lea Co, NM Lea Comp Lea C	Sioux 36 State 1H-5H PF	Comp Comp Comp Comp Comp Comp Comp Comp Signature) Comp C	Serial NacArthur Blvd Size	Company Name: 13212 N MacArthur Blvd
X X Comp 1 X X Comp 1 X X X Comp 1 X X X X X X Comp 1 X X X X X X X X X X X X	X Comp 1 X X X X Comp 1 X X X X Comp 1 X X X X Comp 1 X X X X Comp 1 X X X X Date/Time	X Comp X Comp 1 X X X Date Time ved by: (Signature) Date Time	x Comp 1 x x x x x x x x x x x x x x x x x x	X X Comp 1 X X Date/Tin Date/Tin Date/Tin Date/Tin	X X X X X X X X X X X X X	Soil Water Comp # of Comp Cont X Comp 1	ture Reading: 4.0. Soil Water Comp # of Comp 1 x Comp 1 comp 1 x Comp 1	releter ID: Iture Reading: Iture Reading: Value Temperature: X Temperature: X Comp X Comp C	wet loe: (Yes) No reter ID: (Yes	TAT starts the day received by 4:30pm Wet Ice: Yes No Partiture Reading: Yes No Temperature: Yes No X X X X X X X X X X X X X	TAT starts the day received by the lab, if received by 4:30pm Wet Ice: Yes No Parable Ture Reading: 4.0 to the lab, if received by 4:30pm No Factor: 20.0 to the lab, if received by 4:30pm No Factor: 20.0 to the lab, if received by 4:30pm No Factor: 20.0 to the lab, if received by 4:30pm Water Comp Comp 1 X Comp 1	Due Date: Due Date: Due Date: TAT starts the day received by 4:30pm Wet Ice: Ves No Particle: Tat starts the day received by 4:30pm Wet Ice: Ves No Temperature: Ves No Temperature: Tat starts the day received by 4:30pm Wet Ice: Ves No Temperature: Comp Tomp T	Turn Around Routine Rush Rush Code Due Date: TAT starts the day received by 4:30pm Wet Ice: Wet Ice: Ves No Partiture Reading: X Temperature: Comp Temperature: X Temperature: X Temperature: X Temperature: Comp Temperature: X Temperature: Comp Temperature: Comp Temperature: Temperature:	Turn Around Turn Around Routine Routine Rush Code Due Date: Ves No Pres. Code Ves No Reter ID: No Reter ID: No Reter ID: Soil Water Comp X Comp 1 X Comp X Comp 1 X Comp	Turn Around Turn Around Turn Around Pre Rush Due Date: 24 hr TAT starts the day received by the lab, if received by 4:30pm Wet Ice: Yes No neter ID: 4.0 * Tar starts the day received by 4:30pm Water Comp X Temperature: 4.0 * X Comp	Email: ksmith@ntqlobal.con Turn Around Turn Around Routine Proceived by 4:30pm Comp X Comp	Company Name: Address: City, State ZIP: Email: ksmith@ntglobal. Turn Around Turn Around Tat starts the day received by the lab, if received by 4:30pm Wet Ice: Yes No eter ID: Tat starts the day received by 4:30pm Wet Ice: Yes No Reading: 4.0 * Temperature: 4.0 * Temperature: 4.0 * Comp X
Comp 1 X X X Comp 1 X X X X X X Comp 1 X X X X X X Comp 1 X X X X X X X Comp 1 X X X X X X X Comp 1 X X X X X X X X X X X X X X X X X X	Comp 1 x x x Comp 1 x x x X Comp 1 x x x X X X X X X X X X X X X X X X X	Comp 1 x x x comp 1 x x comp 1 x x x x	Comp 1 X X	Comp 1 x x x Comp 1 x x x x Comp 1 x x x x x x x x x x x x x x x x x x	Comp 1 x	Grabi # of Comp Cont Comp 1	Grab # of Comp # of Comp 1	Grab/ # of Comp Comp 1	No No Representation of the submitted to X Paramete Paramete Paramete Comp Co	No N	No Comp 1	Any losses or experience of the submitted to Xe.	No Pres. Code pm No Comp Comp Comp Comp Comp Comp Comp Comp	Italiobal.com Italio	Itglobal.com Itglobal.com Pre Comp Com	Intglobal.com Intglobal.com It by the pm No Comp	ty the pm liby the pm Comp Comp Comp Comp Comp Comp Comp C
× × × × × × × × × × × × × × × × × × ×	× × × × × × × × × × × × × × × × × × ×		coo, its aff	X X X X X X X X X X	2 8		S X B	BTEX 8	en ses ir	the second of th	97 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 7 7 8 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8	BTEX 8021B	97 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	any to Xen BTEX 8021B	expany to Xen Parameters Of # Parameters Of # Parameters Def #	or expenses in the parameters of the parameters
subco	× × × ×	× × × × × × ×	× × × × × ×	X X X X X X X X X X X X X X X X X X X				X X	X X X X X X X X X X X X X X X X X X X	X X		X X		X X	X X	X X	X X
													ANALYSIS REG	ANALYSIS REC	ANALYSIS REC	ANALYSIS REG	ANALYSIS REC
													REQUEST	REQUEST	REQUEST EDD [Reporting: Level II 1	Reporting: Level II 1 Deliverables: EDD [
							NaOt NaOt		H ₃ PO NaHS ANACH NAOH					HOLD	HOLD	HOLD PSTA	ict: el!! Level!!! PST/UST EDD ADaPT None: Cool: H ₂ SQ, H ₃ PO Na ₂ S, Zn A
					Sample Co	Sample Comments	Sample C						None: NO Cool: Cool HCL: HC H ₂ S0 ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NASO ₃ Zn Acetate+NaO NaOH+Ascorbic Sample C	HOLD	ADAPT ☐ Other: Preservati	Iting:Level III	of Project: Devel

Page 84 of 92





	14 /41					, <u>></u>	٥	00	7	e /	7		72			1000	П	-11	S	0	R	S	P	S	Pr	Pr	Pr	P	0	A	5	7)	100		
ת	My Company	Relinquished	of Aerico. A minimum	Notice: Signature of to service. Xenco will	Addi	CS-20	CS-19	CS-18	CS-17	CS-16	CS-15	CS-14	CS-13	CS-12	CS-11	Identification	Sample	Total Containers:	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIPT	PO#:	Sampler's Name:	Project Location	Project Number:	Project Name:	Phone:	City, State ZIP:	Address:	Company Name.	Project Wallagel.		EN EN	4	
		Relinquished by (Signature)	Cian ye	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco will be client if such losses are due to circumstances beyond the contro of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of service. Xenco will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	Additional Comments:	3.5	3.5	3.5	5.5'	5.5'	5.5	5.5'	5.5'	5.5'	5.5'	Depth (It bgs)			Yes	Yes	Yes			G	Le		Sioux 36	(580) 682-1889	Oklahoma City, OK 73142	13212 N MacArthur Blvd	MI O Elivilolillicha	NTC Environme	Kollon Cmith	ENVIRONMENTAL	9	
	8/10)		equishment of sam cost of samples an be applied to each	ts:	1/27/2025	1/27/2025	1/27/2025	1/27/2025	1/27/2025	1/27/2025	1/27/2025	1/27/2025	1/27/2025	1/27/2025	Date			N/A	NO N/A	No	Blank:		7 1 1	Lea Co, NM	249376	Sioux 36 State 1H-5H PF		OK 73142	hur Blvd		ntal			i.	
	CHAC	Necely	Dogoiu	ples constitud shall not a													Timo	Corrected	Temperatu	Correction Factor:	Thermometer ID:	Yes No	3				Ť									
	man	Neceived by: (oigi accio)	d by: (Signa	Ites a valid purch		×	×	×	×	×	×	×	×	×	×	0011	Soil	Corrected Temperature:	Temperature Reading:	Factor:	ter ID:	Wet Ice:		TAT starts the day received by the lab, if received by 4:30pm	Due Date:	Routine	Turn	Email:								
		maio)	tura)	hase order from onsibility for an													Water	4.0	in't	- 3	5	Yes No		day received b	24 hr	Rush	Turn Around	ksmith@ntglobal.com	City, State ZIP	Address.	Address.	Company Name	Bill to: (if different)			
				client com y losses or submitted t		College	Comp	Comp	Comp	Comp	Comp	Comp	Comp	Comp	Comp	1200	Grab/	7	7	100	-	0		y me		_		plobal.co				me:	ant)			
	0.00	1		pany to Xe expenses o Xenco, b		-	-	-	-	_	_	_	_	_	-	Cont	# of					ame		•		Code	TPS	3								
	1	N. N.	Date/Time	nco, its a incurred ut not an		\parallel	< >	+	+	+	×	×	×	×	×	+	TPH	4 80	_		_	021E		+ MR	(0)	+	-									
	6	174	ne	ffiliates a by the cli alyzed. T		1	< >	+	+	+	×	×	×	+	+	+			_	_	_	e 450	_		_	+										
,	4 0	2	- R	ind subco				+	+	+	\dagger	\dagger	t	t	\dagger	\dagger																				
			Relinqui	ntractors h losses is will be											I											+	A									
			shed b	s. It assignare due to enforced			1	1	_	1	_	_	+	+	\downarrow	\perp	_	_	_				_			+	NALYS									
			y: (Sig	ns stanc o circum unless p			+	+	+	+	+	+	+	+	+	+					_	_	_			+	SIS RE	L								
			shed by: (Signature)	s, It assigns standard terms and conditions are due to circumstances beyond the control enforced unless previously negotiated.		\parallel	+	+	+	+	+	+	+	+	+	+		_					_			\dagger	NALYSIS REQUEST		Deliv	Repo	State	Prog				
-	++	+		ns and co beyond the y negotia			+	+	+	$^{+}$	\dagger	†	\dagger		\dagger	\dagger													Deliverables: EDD	Reporting:Level II Level III	State of Project:	Program: UST/PST PRP				
			Rece	nditions le control ted.			\top	+																		_			EDD	vel II	ject:	ST/PST			WO	
			Received by: (Signature)						_	_	1	_	1	\downarrow	4	\perp							_			+	_			Level		PRP	Work		Work Order No.	-
			y: (Sign				+	+	+	+	+	+	+	+	+	+		_	_		но	LD	_			+	-						Order		Jer No	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
			nature)			$\ \cdot\ $	+	+	+	+	+	+	+	+	+			T	NaC	Zn /			H ₃ P(H ₂ S(HCL	Cool		1000	ADaPT 🗆	□PST/UST		□Brownfields	Work Order Comments			
8																	Samp		NaOH+Ascorbic Acid: SAPC	Zn Acetate+NaOH: Zn	Na ₂ S ₂ O ₃ : NaSO ₃	NaHSO ₄ : NABIS	H₃PO₄: HP	H ₂ S0 ₄ : H ₂	HCL: HC	Cool: Cool	Preservative codes		Other:	☐ RRP		s RRC	nents	Page		1
avised Date			Da														le Con		rbic Aci	NaOH:	1SO3	BIS		Ne	포	Me S	Valive		en			_		2	-	j
05012020 F			Date/Time														Sample Comments		d: SAPO	Zn				NaOH: Na	HNO3: HN	MeOH: Me	DI Water H.O	Codos		Level IV		uperfund		of 9		
2020 1			(1)																.,							22	5								e 85 of	92



5	and the second s	1 Jan Shallainum (20.25 134)2	Relinquished by: (Signature) Received by: (Signature) Date/Time Relinquished by: (Signature) Received by: (Signature)	HARIBOL A HIMMINI CHANGE THE LA APPROX CANCEL PROPERTY OF AN INC. MINING AND		Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions	Additional Comments:	CS-30 2.5' 1/27/2025 x Comp 1 x x x 1	CS-29 2.5' 1/27/2025 x Comp 1 x x x	CS-28 3.5' 1/27/2025 x Comp 1 x x x	CS-27 3.5' 1/27/2025 x Comp 1 x x x	CS-26 3.5' 1/27/2025 x Comp 1 x x x	CS-25 3.5' 1/27/2025 x Comp 1 x x x	CS-24 3.5' 1/27/2025 x Comp 1 x x x	CS-23 3.5' 1/27/2025 x Comp 1 x x x	CS-22 3.5' 1/27/2025 x Comp 1 x x x	CS-21 3.5' 1/27/2025 x Comp 1 x x x	Sample Depth (ft bgs) Date Time Soil Water Comp Cont Comp Cont	Total Containers: 81 Corrected Temperature: 4-0 ?	15M	N/A Correction Factor: 0.00	Thermometer ID:	Blank: Yes No Wet Ice: (es No meter	ers	TAT starts the day received by the	Project Location Lea Co, NM Due Date: 24 hr	Project Number: 249376 Routine Rush code	Project Name: Sioux 36 State 1H-5H PF Turn Around ANALYSIS REQUEST	Phone: (580) 682-1889 Email: ksmith@ntglobal.com Deliverables: EDD	City, State ZIP: Oklahoma City, OK 73142 City, State ZIP: Reporting: Level III	Address: 13212 N MacArthur Blvd Address: State of Project:		Project Manager: Kellan Smith Bill to: (if different) Work O		ENVIRONMENTAL	Work Orde	
			ignature) Received by: (Signature) Date/Time	re president in gentues.	umstances beyond the control specification in the second s	andard terms and conditions		7										Sample Comments	NaOH+Ascorbic Acid: SAPC	Zn Acetate+NaOH: Zn		OL NaHSO₄; NABIS	H₃PO₄; HP	H₂S0₄: H₂ NaOH: Na	HCL: HC HNO3: HN	Cool: Cool MeOH: Me	None: NO DI Water: H ₂ O	REQUEST Preservative Codes	Deliverables: EDD ☐ ADaPT ☐ Other:	Reporting:Level III Level III PST/UST TRRP Level IV	State of Project:	Program: UST/PST PRP Brownfields RRC uperfund	Work Order Comments	Page3 of9_ F	Page 8	Work Order No: 州みなリコン of	9



(**	· Al				Ĭ	7)	<u></u>	_	_	V	-	M	1			-	100	Io	Т	10	TI	(0	T	T	T	T	0	D	10	T	П
5	Al Al	Relinquished by:	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	Additi	CS-40	CS-39	CS-38	CS-37	CS-36	CS-35	CS-34	CS-33	CS-32	CS-31	Sample Identification	Total Containers:	Sample Custody Seals	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIPT	PO#:	Sampler's Name:	Project Location	Project Number:	Project Name:	Phone:	City, State ZIP:	Address:	Company Name:	Project Manager:	
		(Signature)	document and reling e liable only for the co harge of \$85.00 will be	Additional Comments:	2.5'	2.5'	2.5'	2.5'	2.5'	2.5'	2.5'	2.5'	2.5'	2.5'	Depth (ft bgs)		Yes	Yes	Yes			C	Lea		Sioux 36	(580) 682-1889	Oklahoma City, OK 73142	13212 N MacArthur Blvd	NTG Environmental	Kellan Smith	NVIRONMENTA
	Sha		uishment of samp st of samples and applied to each p	**	1/27/2025	1/27/2025	1/27/2025	1/27/2025	1/27/2025	1/27/2025	1/27/2025	1/27/2025	1/27/2025	1/27/2025	Date	81	NO N/A	N/A	No	Temp Blank:	,	トス	Lea Co, NM	249376	Sioux 36 State 1H-5H PF		OK 73142	thur Blvd	ntal		
	two	Received	les constitut shall not ass roject and a												Time	Corrected	Temperatu	Correction Factor:	Thermometer ID:	Yes No	>				Ϋ́						
	ney	Received by: (Signature)	es a valid purchas sume any respons charge of \$5 for e		×	×	×	×	×	×	×	×	×	×	Soil	Corrected Temperature:	Temperature Reading:	Factor:	ter ID:	Wet Ice:	lab, if recei	TAT starts the day received by the	Due Date:	Routine	Turn	Email:					
		ıre)	se order from o sibility for any each sample su		0	0	0))	0)	0	0	0	Water	4.0	4.00:		140	(Yes) N	lab, if received by 4:30pm	day received b	24 hr	Rush	Turn Around	ksmith@ntglobal.com	City, State ZIP	Address:	Company Name	Bill to: (if different)	
	-		client comp losses or e losmitted to		Comp	Grab/ Comp	C	25	000		No	3	y the		0.7		global.co	P		ame:	rent)										
	2725	Da	any to Xeno xpenses in Xenco, but			_	_	_	1	1	1	1	1		# of Cont					nete	rs			Code		m					
		Date/Time	co, its affi curred by not analy		×	×	×	×	×	×	×	×	×	×	TPH	1 801	_	(GF	_	DRC) + N	/RO)								
	342		iates and the client zed. Thes		×	×	×	×	×	×	×	×	×	×			CI	hlori	de 4	500											
σ	4 2	Relin	subcontra if such los e terms wi																												3
		Relinquished by: (Signature)	ctors. It a		-												_		-						ANA						
		by: (Si	It assigns standard terms and conditions e due to circumstances beyond the contro forced unless previously negotiated.																						NALYSIS REQUEST						
		gnature	ndard ter mstances s previous		_															-		_			REQUE		Re	St	Pr]
\dashv		9	ms and co beyond the ly negotia		_					_	_	_	_				_		_			_			IS	Deliverables: EDD	Reporting:Level II Level III	State of Project:	Program: UST/PST		
		Rece	onditions ne control ited.																							es: EDD	Level II	roject:	UST/PS		*
		Received by: (Signature)																									Level			Wor	ork O
		: (Signa			\vdash		-	\dashv		_	-			_				н	DLD			_	_			ADa			₽ro	k Orde	rder N
		ature)						1								NaO	Zn A			H ₃ PC	H ₂ S0 ₄ : H ₂	HCL: HC	Cool:	None: NO		ADaPT	□PST/UST		Brownfields	Work Order Comments	0: F
-															Sample	H+Ascor	cetate+N	Na ₂ S ₂ O ₃ : NaSO ₃	NaHSO ₄ : NABIS	H₃PO₄; HP	4: H ₂	HC	Cool: Cool	NO	Presen	Other:	RRP		s RRC	nents	Work Order No: ₩2% U-
		Date													Sample Comments	NaOH+Ascorbic Acid: SAPC	Zn Acetate+NaOH: Zn	SO ₃	BIS		NaC	HNC	Me(DIV	Preservative Codes	er.					[0]
		Date/Time													nents	SAPC	3				NaOH: Na	HNO3: HN	MeOH: Me	DI Water: H ₂ O	odes		Level IV		□uperfund		of 9
																								0		L				-	Page 87 of 92

Work Order No:

Page 88 of 92

No.	
Kollan Smith	ENVIRONMENTA

Mork Order Comment Mork Order Comment
Work Order Co
Work Order Control of the control of
Work Order Control Work Order Control Work Order Control ADaPT ADaPT ADaPT Aditions control A. Received by: (Signature)
Work Order Control Work Order Control Work Order Control ADAPT Level III
Work Order Control Work Order Control Work Order Control Downto Sect: ADAPT ADAPT ADAPT Additions Control Contr
Work Order Control Work Order Control Work Order Control ADaPT ADaPT ADaPT Additions Control A. Beceived by: (Signature)
FRRP Other: Nascorbin Property Proper



	Tuge 101 0
Project Manager:	
Kellan Smith	VIRONMENTAL

(>					72.	00	7	-	V		T VV	1		14.523/0	П	co	10	D	CO	P	S	P	P	P	P	C	A	0	Pr		-
5	The state of the s	Relinquished	Notice: Signature of of service. Xenco wi of Xenco. A minimur	Add	CS-60	CS-59	CS-58	CS-57	CS-56	CS-55	CS-54	CS-53	CS-52	CS-51	Sample Identification	Total Containers:	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	SAMPLE RECEIPT	PO #:	Sampler's Name:	Project Location	Project Number:	Project Name:	Phone:	City, State ZIP:	Address:	Company Name:	Project Manager:	P	
	Con	Religiquished by: (Signature)	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	Additional Comments:	2.5	2.5'	2.5'	2.5'	2.5'	2.5'	2.5'	2.5'	2.5'	2.5'	Depth (ft bgs)		eals: Yes					C	16		Sioux 36	(580) 682-1889	Oklahoma City, OK 73142	13212 N MacArthur Blvd	NTG Environmenta	Kellan Smith	ENVIRONMENTA	
	88	1	nquishment of sam cost of samples an be applied to each	ıts:	1/27/2025	1/27/2025	1/27/2025	1/27/2025	1/27/2025	1/27/2025	1/27/2025	1/27/2025	1/27/2025	1/27/2025	Date	81	N/A	NA	No	Blank:		TIK	Lea Co, NM	249376	Sioux 36 State 1H-5H PF		, OK 73142	rthur Blvd	ental			
	8	Receive	ples constitu d shall not as project and a												Time	Corrected	Temperatu	Correction Factor	Correction Eactor	Yes No					ř							
	ronce	Received by: (Signature)	ites a valid purch ssume any respo a charge of \$5 for		×	×	×	×	×	×	×	×	×	×	Soil	Corrected Temperature:	lemperature keading.	Pacioi.	Eactor Eactor	Wet Ice:	, in 1000	TAT starts the day received by the lab. if received by 4:30pm	Due Date:	Routine	Turn	Email:						
	2	ture)	ase order from nsibility for an												Water	1,0	3.5	25	2000	Yes		starts the day received by 4:30pm	24 hr	Rush	Turn Around	ksmith@ntglobal.com	City, State ZIP	Address:	Company Name	Bill to: (if different)		
			y losses or submitted t		Comp	Comp	Comp	Comp	Comp	Comp	Comp	Comp	Comp	Comp	Comp			3, 2	,	No		n by the				global.co	IP:		ame:	rent)		
	18	D	pany to Xe expenses i o Xenco, bi		_	_	_	_	_	_	_	_	_	_	# of					ame				Code)m						
	265	Date/Time	nco, its a incurred I ut not ana		×	+	×	×	×	×	×	×	×	×		PH 80	015			021E		MR	0)	+	-							
	(34	ne e	ffiliates ar by the clie alyzed. Th		×	+	+	×	×	×	×	×	×	×			_			450				\dagger	-							
o	4	R	nd subco																													
		Relinquis	ntractors. losses ar will be e			L							L	L			_				_			+	AN							
		hed by: (Signature)	It assigns standard terms and conditions e due to circumstances beyond the contro inforced unless previously negotiated.		$\ -$	+	+	+	\vdash	+	\vdash	-	\vdash	\vdash	-	_	_					_	_	+	ALYSIS REQUEST							
		(Signa	s standar sircumsta		\parallel	+	+	+	+	+	\vdash		H	T											SREQ	L		\perp	\perp	_		
		ture)	d terms a nces beyo viously ne			T			İ																UEST	Deliver	. Cool	Deporting I eyel II	Program: UST/PST PRP			
		_	nd condit and the conditions of the conditions o			_	_		-	-	-	-	_	-	_									+	-	Deliverables: EDD		Sanoring: Level III DST/UST	m: UST/			
		Received by: (Signature)	ions		\parallel	+	+	+	+	+	+	+	+	+	-		_						_	+			7 :	_ :	PST U			Work
		d by: (S			\parallel	+	$^{+}$	+	+	+	+	t	t	t										T				NA I	PRP	ork Or		Orde
		Signatu				T		T	İ										но			_	- 0			ADari		DST/	Brownt	der Co		No:
		ıre)													S		NaOH+	Zn Acet	Na ₂ S ₂ O	NaHSO	H-DQ-HD	H ₂ SO ₄ : H ₂	Cool: Cool	None: NO	Pre				Brownfields KRC	Work Order Comments	Page	TUN O
															ample (Ascorbic	Zn Acetate+NaOH: Zn	Na ₂ S ₂ O ₃ : NaSO ₃	NaHSO ₄ : NABIS	A .	5 (00	. 0	servat			RRP	KKC	its	6	Work Order No: 担っるいつ a
		Date/Time													Sample Comments		NaOH+Ascorbic Acid: SAPC)H: Zn	w	-		NaOH: Na	MeOH: Me	DI Wa	Preservative Codes		[Lev	uperruna		of	Ψ
		ime													ints		APC					Na	HN Me	DI Water: H ₂ O	des			Level IV	Tuna		9	
L									\perp	\perp					200		_											_			Page 89	of 9



Work Order Comments Program: UST/PST PRP Brownfields RRC State of Project: PRP Deliverables: EDD ADaPT Other: Other: Preservatifies Project Project Project Project Preservatifies Project Preservatifies Project Preservatifies Preserva	Manager Kollan Smith Mork Order C					4	5	010	17		2 mb	201/201	MK		Modera
Manage Malic Michan Mi	Manager Males Ma					2		J		1	3	100	2	John St.	of north hundred
Manager Mana	Manager Kollan Smith More Mor	Date/Time	d by: (Signature)		Relinquished by: (Signati		e/Time	Date		ıre)	d by: (Signatu	Receive		(Signature)	Relinquished by
Manager Kellan Smith Company Name Company N	Manager Mana			iously negotiated.		d. These to	ot analyze	nco, but r	submitted to Xe	each sample s	a charge of \$5 for	project and	applied to each	rge of \$85.00 will be	Xenco. A minimum cha
Manager Malian Smith Manager Mile Control Manager Mile Control Manager Mile Control Manager Mile Control Manager Mile Control Manager Mile Control Manager Mile Control Manager Mile Control Manager Manager Mile	Manager Kellan Smith Common Name Compon Name Co			terms and conditions ces beyond the control		es and sul	o, its affiliat	y to Xenco	client compan	se order from sibility for any	ites a valid purcha ssume any respon	nples constitu	uishment of sam	ocument and relinguing	otice: Signature of this c
Manager Kellan Smith	Manager Kellan Smith Campan Name Cam				to:									nal Comments	Additio
Manager Kellan Smith MiTG Environments	Manager Kellan Smith Silt to it of week					×	\parallel	-			×		1/27/2025	3.5-5.5'	SW-7
Manager Mellan Smith Mil G Environments Mil	Manager Kellan Smith Manager Kellan Smith Manager Kellan Smith Manager					×	+	\vdash	Т		×		1/27/2025	0-5.5'	SW-6
Manager Mellan Smith Mild Environmental Company Name Mild Environmental Mild Environ	Manager Kelian Smith Mile Smith Mile Smith Mile Smith Mile Smith Manager Mile Smith Mile Mi					×	+	\vdash			×		1/27/2025	0-5.5'	SW-5
Manager Mellan Smith Mild Environmental Mil	Manager Kellan Smith Manager Kellan Smith Manager Kellan Smith Manager					×	-				×		1/27/2025	0-5.5'	SW-4
Manager Mana	Page 7 Page 7 Page 7 Page 7 Page 7 Page 8 Page 1 Page 1 Page 1 Page 8 Page 1 Page 2 Page 1 Page 2 Pa					×		L			×		1/27/2025	0-5.5'	SW-3
Manager Man	Manager Kellan Smith Manager Kellan Smith Manager Kellan Smith Manager					×	-				×		1/27/2025	0-5.5'	SW-2
Manager Kellan Smith Kellan Smith Bill to (# elfnewnt) Bill to (# elfnewnt) Hord Smith Sm	Manager Kellan Smith Smi					×					×		1/27/2025	0-5.5'	SW-1
Marrager	Manager Kellan Smith Manager Kellan Smith Manager Man					×	×				×		1/27/2025	2.5'	CS-63
Manager Kellan Smith Kellan Smith Bill to: (d different) Manager Company Name Work Order Comments ss 13212 N MacArthur Blvd Address Address Clty, State ZIP: Company Name Program: UST/PST [PRP] prowrifields [PRC State of Project: ste ZIP: ONIAhoma City, OK 73142 Clty, State ZIP: Clty, State ZIP: Address State of Project: Reporting Level III [Level III [PST/UST] [PRP] prowrifields [PRC State of Project: Name Sioux 36 State 1H-5H PF Turn Around Preservati ANALYSIS RECEIPT [PRP] prowrifields [PRC State of Project: Preservati Number 249376 Itea Co, NiM Disposition (Project) 24,100 (Project) Preservati Preservati Preservati None NO Lea Co, NiM Disposition (Project) 1 Temp Blank Yes (No) Wester (Project) Preservati Preservati Preservati Preservati Preservati None NO Preservati Preservati None NO None NO Preservati Phyloc, HP, HP, Po, HP	Manager Kellan Smith Manager Kellan Smith Manager Man					×	×				×		1/27/2025	2.5'	CS-62
Manager Kellan Smith Bill to fill define yet Ellit to fill define yet Work Order Comments Program: UST/PST □ pRP □ brownfields □ RRC State of Project: State of Project: State of Project: State of Project: Program: UST/PST □ pRP □ brownfields □ pRP □ brownfields □ pRP □ other: State of Project: State of Project: Project: State of Project: Proporting Level III □ Level III □ PRP □ brownfields □ pRP □ brownfields □ project: Project: State of Project: PRPS □ pRP □ brownfields □ project: Project: PRPS □ pRP □ project: PRPS □ pRP □ project: PRPS □ pRP □ project: PRPS □ pRP □ project: PRPS □ project: PRPS □ project: PRPS □ project: PRPS □ project: PRPS □ project: PRPS □ project: PRPS □ project: PRPS □ project: PRPS □ project: PRPS □ project: PRPS □ project: PRPS □ project:	Manager Kellan Smith Bill to (#different) Bill to (#differe					×	×			-	×		1/27/2025	2.5'	CS-61
Manager: Kellan Smith Bill to (if different) Diff Environmental Company Name: Work Order Comments ny Name: NTG Environmental Company Name: Address: 13212 N MacArthur Blvd Address: Program: UST/PST □PRP □ prownfields □RRC site ZIP: Oklahoma City, OK 73142 City, Statle ZIP: City, Statle ZIP: City, Statle ZIP: Reporting: Level III □Level III □Level III □PST/UST □RRP Name: Sioux 36 State 1H-5H PF Tum Around ANALYSIS REOUEST Reporting: Level III □Level III □PST/UST □RRP None: NO Lea Co, NM Due Date: 24 br ANALYSIS REOUEST Preservati None: NO Lea Co, NM Due Date: 24 br ANALYSIS REOUEST None: NO Preservati HCL: HC HC: HC Hc; Hc; Hc Hc; Hc; Hc Hc; Hc; Hc State of Project: None: NO None: NO None: NO None: NO Location Lea Co, NM Up Date: 24 br None: NO None: NO None: NO None: NO None: NO None: NO None: NO None: NO None: NO	Manager: Kellan Smith Manager: Kellan Smith Manager: Kellan Smith Manager: Kellan Smith Manager: Kellan Smith Manager: Kellan Smith Manager: Kellan Smith Manager: Kellan Smith Manager: Manager: Kellan Smith Manager: Ma	nple Comments	Sar				ТР	2 4			Soil	Time	Date	Depth (ft bgs)	
Manager: Kellan Smith Bill to: frameent) Emilt o: frameent) Work Order Comments ny Name: NTG Environmental Company Name: Company Name: NTG Environmental Program: UST/PST □PRP □ rownfields □RRC s 13212 N MacArthur Blvd Address City, State ZIP- City, State ZIP- Program: UST/PST □PRP □ rownfields □RRC state of Project: State of Project: Reporting Level III □ Level III □ Level III □ Level III □ Level III □ Level III □ Level III □ Level III □ Level III □ Level III □ Level III □ Level III □ Level III □ Level III □ Level III □ Collection Name: Sioux 36 State 1H-5H PF Turn Around-□ Pres. ANALYSIS REQUEST Reporting Level III □ Level III □ Level III □ Level III □ Level III □ Level III □ Level III □ Collection None: NO Number: 249376 □ Routine □ Pres. Pres. ANALYSIS REQUEST None: NO Location Lea Co, NM Due Date: □ 24 br Pres. ANALYSIS REQUEST None: NO HCL. HC H250; H2 H250; H2 H250; H2 H250; H2 H250; H2 PLE RECEIPT Temp Blank: □ Reading: □ 41, 10; □ 44 Pres. □ 44 ANALYSIS REQUEST H250; N250;	Manager Kellan Smith Manager Kellan Smith Manager MTG Environmental Company Name MTG Environmental MTG Environme	scorbic Acid: SAP	NaOH+A				н 80			4.0	Temperature:	Corrected	81		tal Containers:
Manager. Kellan Smith Bill to: (if different) Company Name: Company Name: Program: UST/PST □ PRP □ Brownfields □ RRC s: 13212 N MacArthur Blvd Address: Clity, State ZIP: Reporting: Level III □ Level III □ Level III □ Level III □ Level III □ Level III □ Level III □ Level III □ Level III □ Level III □ Level III □ Level III □ Level III □ Level III □ Coller: None: NO Number: Sioux 36 State 1H-5H PF Turn Around Preservati Location Lea Co, NM Due Date: 24 hr Code: ANALYSIS REQUEST Preservati Location Lea Co, NM Due Date: 24 hr Code: ANALYSIS REQUEST Preservati Location Lea Co, NM Due Date: 24 hr Code: ANALYSIS REQUEST Preservati Location Temps Blank: Yes No West No Preservati H ₂ SO ₄ : H ₂ Location Yes No Thermometer ID: Yes No ANALYSIS H ₂ SO ₄ : H ₂ Location Yes No Thermometer ID: Yes No ANALYSIS H ₂ S	Manager: Kellan Smith Manager: Kellan Smith	te+NaOH: Zn	Zn Aceta			С	15M			11.11	ure Reading:	Temperati	-	Yes	imple Custody Seals
Manager Kellan Smith Bill to: (# deflerent) Work Order Comments ry Name: NTG Environmental Company Name: NTG Environmental Program: UST/PST □PRP □ Brownfields □RCC s: 13212 N MacAnthur Blvd Address: Program: UST/PST □PRP □ Brownfields □RCC state of Project: State of Project: Reporting: Level III □ Level III □ Level III □ Level III □ Dither: name: Sioux 36 State 1H-5H PF Turn Around Pres. ANALYSIS REQUEST Preservati number: 249376 □ Routine □ Preservati ANALYSIS REQUEST None: NO Lea Co, NM Due Date: □ ADapt □ Other: ANALYSIS REQUEST Preservati TAT starts the day received by the lab, if received by 4:30pm ANALYSIS REQUEST None: NO Lea Co, NM Due Date: □ ADapt □ Other: ANALYSIS REQUEST None: NO Lea Co, NM Due Date: □ ADapt □ Other: ANALYSIS REQUEST None: NO Lea Co, NM Due Date: □ ADapt □ Other: ANALYSIS REQUEST None: NO ANALYSIS REQUEST None: NO ANALYSIS REQUEST ANALYSIS REQUEST None: NO ANAL	Manager Kellan Smith	NaSO ₃				hlor	I (G	BTE		10.U	Factor:	Correction	1	_	oler Custody Seals:
Manager Kellan Smith Bill to (if different) Work Order Comments ry Name NTG Environmental Company Name Program: UST/PST □RP □ Brownfields □RC State Of Project: s: 13212 N MacArthur Blvd Address: City, State ZIP: City, State ZIP: Program: UST/PST □RP □ Brownfields □RC State of Project: ate ZIP: Oklahoma City, OK 73142 Email: ksmith@ntglobal.com Reporting: Level III □ Level III □ Level III □ Dther: Program: UST/PST □ PRP □ Brownfields □ RRC State of Project: Name: Sioux 36 State 1H-5H PF Turm Around ANALYSIS REQUEST Preservati None: NO Lea Co, NM Due Date: 24 Jar TAT starts the day received by the lab, if received by 4:30pm ANALYSIS REQUEST None: NO H;SO; H; H;SO; H; H;PO; HP	Manager: Kellan Smith Manager: Kellan Smith	NABIS				ide 4	RO +	X 80		d	eter ID:	Thermome		Yes	ceived Intact:
Manager: Kellan Smith Bill to: (if different) Work Order Comments ny Name: NTG Environmental Company Name: NTG Environmental Company Name: Program: UST/PST PRP Brownfields RRC s: 13212 N MacArthur Blvd Address: City, State ZIP: City, State ZIP: Project: 0 Klahoma City, OK 73142 Email: ksmith@ntglobal.com Email: ksmith@ntglobal.com Reporting: Level III Level III PST/UST TRP Preservati Name: Sioux 36 State 1H-5H PF Turn Around Pres. ANALYSIS REQUEST Preservati Location Lea Co, NM Due Date: 24 hr Pres. ANALYSIS REQUEST None: NO Location TAT stats the day received by 4:30pm Pres. ANALYSIS REQUEST Pres. Pres. Location TAT stats the day received by 4:30pm Pres. ANALYSIS REQUEST Pres. Pres.	Manager: Kellan Smith Manager: Varieties Morder Comments Program: UST/PST PRP Brownfields RRC State of Project: Reporting Level III Level III PST/UST TRRP Deliverables: EDD ADaPT Other: Manager: Application Analysis REQUEST Manager: Application Analysis REQUEST Manager: Application Analysis Requested by the Hell High High Hell High Hell High Hell High Hell High Hell High Hell High High Hell High Hell High Hell High High Hell High Hell High Hell High Hell High High Hell High Hell High Hell High High High High Hell High High High High Hell High High High High High High Hi	D				4500	- DR	21B		Yes	Wet Ice:	Yes No	Blank:		AMPLE RECEIP
Manager: Kellan Smith Bill to: (if different) Work Order Comments ny Name: NTG Environmental Company Name: NTG Environmental Company Name: Program: UST/PST □ PRP □ Brownfields □ RRC s: 13212 N MacArthur Blvd Address: Address: Program: UST/PST □ PRP □ Brownfields □ RRC state ZIP: Oklahoma City, OK 73142 City, State ZIP: Program: UST/PST □ PRP □ Brownfields □ RRC Name: (580) 682-1889 Email: ksmith@ntqlobal.com Reporting: Level III □ Level III □ PST/UST □ TRRP Name: Sioux 36 State 1H-5H PF Turn Around Pres. ANALYSIS REQUEST Preservati None: NO Cool: Cool Cool: Cool Cool: Cool Cool: Cool Location Lea Co, NM Due Date: 24 hr Sioux data the day received by the Brown fields □ RRC Sioux Gent III □ Level III □ Level III □ Level III □ PST/UST □ TRRP None: NO Location Lea Co, NM Due Date: □ Pres: □ PRP □ Rounded by the Brown fields □ RRC Sioux Gent III □ Level III □ PST/UST □ PRP None: NO	Manager Kellan Smith Bill to (if different) Bill to (if different) Work Order Comments ny Name: NTG Environmental Company Name: 13212 N MacArthur Blvd Address: Program: UST/PST □PRP Brownfields □RRC state ZIP: Oklahoma City, OK 73142 City, State ZIP: City, State ZIP: Reporting:Level II □ Level III □ Other: Name: Sioux 36 State 1H-5H PF Turm Around Pres. ANALYSIS REQUEST Preservati Number: 24 376 □ Routine □ AT State day received by the Environments by received by the Code Sioux 36 State 1H-5H PF Trum Around Pres. None: NO Location Lea Co, NM Due Date: TAT state day received by the Environments by received by the Code Sioux 36 State 1H-5H PF Trum Around Sioux 36 State 1H-5H PF None: NO		H ₂ S0 ₄ : H ₂)	10 +			yeu by T. Joh	idb, il lecei)#:
Manager Kellan Smith Bill to: (if different) Email: Company Name: Company Name: Work Order Comments Work Order Comments Work Order Comments Work Order Comments Managem: UST/PST PRP Brownfields RRC RRC State of Project: State of Project: Program: UST/PST PRP Brownfields RRC RRC State of Project: State of Project: PRP Brownfields RRC RRC PRP Brownfields RRC RRC State of Project: PRP Brownfields RRC RRC State of Project: PRP Brownfields RRC RRC State of Project: PRP Brownfields RRC PRP Brownfields RRC RRC State of Project: PRP Brownfields RRC PRP Brownfi	Manager: Kellan Smith Bill to: (if different) Bill to: (if different) Work Order Comments ny Name: NTG Environmental Company Name: 13212 N MacArthur Blvd Address: Program: UST/PST □PRP □Rownfields □RC State of Project: state ZIP: Oklahoma City, OK 73142 City, State ZIP: City, State ZIP: Reporting:Level II □ Level III □ Level III □ Level III □ PRRP □ Other: Name: Sioux 36 State 1H-5H PF Turn Around Pres. ANALYSIS REQUEST Preservati Number: 249376 □ Routine □ Zi Rush Code Pres. Code ANALYSIS REQUEST None: NO Location Lea Co, NM Due Date: 24 br* Code		HCL: HC			_	MRC		by the	lay received	TAT starts the		175	2	mpler's Name:
Manager Kellan Smith Bill to: (if different) Company Name: Kellan Smith Work Order Comments ny Name: NTG Environmental Company Name: Address: Program: UST/PST PRP Brownfields RRC s: 13212 N MacArthur Blvd Address: State of Project: ate ZIP: Oklahoma City, OK 73142 City, State ZIP: City, State ZIP: Reporting: Level II Level III PST/UST TRRP (580) 682-1889 Email: ksmith@ntqlobal.com Email: ksmith@ntqlobal.com ANALYSIS REQUEST Preservati Number: 249376 Routine Pres. None: NO	Manager. Kellan Smith Bill to: (rf different) Work Order Comments my Name: NTG Environmental Company Name: HTG Environmental Company Name: Work Order Comments s: 13212 N MacArthur Blvd Address: Program: UST/PST □ PRP □ Brownfields □ RRC state 2IP: Oklahoma City, OK 73142 City, State 2IP: City, State 2IP: Email: ksmith@ntqlobal.com Reporting: Level III □ Level III □ PST/UST □ PRP Name: Sioux 36 State 1H-5H PF Turn Around Pres. ANALYSIS REQUEST Preservati Number: 249376 □ Routine □ Routine <td></td> <td>Cool: Coo</td> <td></td> <td></td> <td>_</td> <td>))</td> <td></td> <td>1</td> <td>24.h</td> <td>Due Date:</td> <td></td> <td>1</td> <td>Lea</td> <td>oject Location</td>		Cool: Coo			_))		1	24.h	Due Date:		1	Lea	oject Location
Manager. Kellan Smith Bill to: (if different) Work Order Comments ny Name: NTG Environmental Company Name: Program: UST/PST PRP Brownfields RRC s: 13212 N MacArthur Blvd Address: State of Project: ate ZIP: Oklahoma City, OK 73142 City, State ZIP: Reporting: Level III Level III PST/UST TRRP Reporting: Level III PST/UST TRRP Reporting: Level III PST/UST TRRP Reporting: Level III PST/UST TRRP Reporting: Level III Reporti	Manager: Kellan Smith Bill to: (if different) Work Order Comments ny Name: NTG Environmental Company Name: 13212 N MacArthur Blvd Address: 13212 N MacArthur Blvd Address: Program: UST/PST PRP Brownfields RRC ate ZIP: Oklahoma City, OK 73142 City, State ZIP: City, State ZIP: Reporting: Level III Level III PST/UST TRRP Deliverables: EDD ADaPT Other: Name: Sioux 36 State 1H-5H PF Turn Around ANALYSIS REQUEST Preservati		None: NC			-		6 9	Coc	Rush	Routine		49376	2	oject Number:
Manager: Kellan Smith Bill to: (if different) Work Order Comments ny Name: NTG Environmental Company Name: Program: UST/PST PRP rownfields RRC s: 13212 N MacArthur Blvd Address: State of Project: ate ZIP: Oklahoma City, OK 73142 City, State ZIP: Reporting: Level II PST/UST RRP (580) 682-1889 Email: ksmith@ntglobal.com Deliverables: EDD ADAPT Other:	Manager: Kellan Smith Bill to: (if different) Work Order Comments ny Name: NTG Environmental Company Name: NTG Environmental Program: UST/PST □ PRP □ Brownfields □ RRC s: 13212 N MacArthur Blvd Address: Address: State of Project: ate ZIP: Oklahoma City, OK 73142 City, State ZIP: Reporting: Level II □ Level III □ Level III □ PST/UST □ TRRP (580) 682-1889 Email: ksmith@ntqlobal.com Deliverables: EDD □ ADaPT □ Other:	servative Codes	Pre	UEST	ANALYSIS REQU	-			0	Around	Turn	먂	tate 1H-5H	Sioux 36 S	oject Name:
Kellan Smith Bill to (if different) Work Order Comments NTG Environmental Company Name: Program: UST/PST PRP Brownfields RRC 13212 N MacArthur Blvd Address: State of Project: Oklahoma City, OK 73142 City, State ZIP: Reporting: Level III Level III PST/UST TRP	Kellan Smith Bill to: (if different) Work Order Comments	Other:		Deliverables: EDD L					tglobal.com	ksmith@n	_			580) 682-1889	
Kellan Smith Bill to: (if different) Work Order Comments NTG Environmental Company Name: Program: UST/PST PRP Brownfields RRC 13212 N MacArthur Blvd Address: State of Project:	Kellan Smith Bill to: (if different) Work Order Comments NTG Environmental Company Name: Program: UST/PST PRP Brownfields RRC 13212 N MacArthur Blvd Address: State of Project:			Reporting:Level II Le		1			ZIP:	City, State 2			OK 73142	klahoma City, (
Kellan Smith Bill to: (if different) Work Order Comments NTG Environmental Company Name: Program: UST/PST \[Rellan Smith Bill to: (if different) Work Order Comments NTG Environmental Company Name: Program: UST/PST PRP Brownfields RRC			State of Project:						Address:			nur Blvd	3212 N MacArt	
Kellan Smith Bill to: (if different)	Rellan Smith Bill to: (if different) Work Order Comments Work Order Comments		PRP Brownfields	Program: UST/PST					ame:	Company N			ntal	TG Environmen	
	Page7 of	S	Vork Order Comment	V					erent)	Bill to: (if diffe				ellan Smith	
															A THURSDAY AND

HNO3: HN MeOH: Me DI Water: H₂O Level IV

Page 90 of 92

	o o	0 1	The les Shadinnul 1:2725 /3420	alinquished by (Signature) Received by: (Signature) Date/Time Relinquished by: (Signature) Received by	
				(Signature) Received by: (Signature)	
Revised Date 05012020 Rev. 20				Date/Time	

of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$8 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Received by: (Signature)

SPER

1342

Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

ed Date 05012020 Rev. 2020.

Relinquished by (Signature)

Chain of Custody





															W.
Project Manager:	Kellan Smith				Bill to: (if different)	erent)									Wor
Company Name:	NTG Environmental	ental			Company Name	lame:								Pro	Program: UST/PST PR
	13212 N MacArthur Blvd	rthur Blvd			Address:									Sta	State of Project:
te ZIP:	Oklahoma City, OK 73142	OK 73142			City, State ZIP	ZIP:								Re	Reporting:Level II Leve
	(580) 682-1889			Email:	ksmith@ntglobal.com	ntglobal.c	mo							De	Deliverables: EDD
Nomo:	Sioux 36	Sioux 36 State 1H-5H PF	뮤	Turn	Turn Around)						ANAL	ANALYSIS REQUEST	EQUE	31
rioject Name.	O Constitution	2/0376		Routine	Rush		Pres.	\dashv	\dashv	-					
Project Nulliber		CTOOLO NM		Dille Date:	24 hr		0000	4	4	+	1			-	
Project Location	7	Lea Co, Isini		TAT state the	The second	tho tho			RO)		_			_	
Sampler's Name:	CXI	1 K		IAI starts trie day received by trie	ved by 4-30r	n y uie			MF	_				_	
PO#:				iab, il recei	lab, if received by 4.50piii		ers	_	0 +	_	_				
SAMPLE RECEIPT		Temp Blank	Yes No	Wet Ice:	(Yes)	No	mete	21B	DR	1500					
Received Intact:		es)(Noctotic	Thermometer ID:	eter ID:	ahl		araı	(802	RO +	ide 4					
Cooler Custody Seals	s: Yes	NO N/A	Correction Factor:	Factor:	-0.1	2:	P	BTE	(G	hlor					
Sample Custody Seals	ls: Yes	NO N/A	Temperati	Temperature Reading:	4,0	ë		E	15M	С					
Total Containers:		*	Corrected	Corrected Temperature:	4.6	20			H 80						
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/ Comp	# of Cont		TP						
SW-8	3.5-5.5	1/27/2025		×		Comp	_	×	×	×	\vdash			-	
SW-9	2.5-5.5	1/27/2025		×		Comp	_	×	×	×	\vdash	T		-	
73 SW-10	2.5-5.5	1/27/2025		×		Comp	_	×	×	×	\vdash	T		-	
74 SW-11	0-3.5	1/27/2025		×		Comp	_	×	×	×	\vdash	\vdash		-	
SW-12	0-3.5	1/27/2025		×		Comp	_	×	×	×	\vdash	\vdash		-	
SW-13	2.5'-3.5'	1/27/2025		×		Comp	_	×	×	×	\vdash	t		-	
7 SW-14	0-2.5	1/27/2025		×		Comp	_	×	×	×	+	T		_	
SW-15	0-2.5'	1/27/2025		×		Comp	_	×	×	×	\vdash			_	
9:2 SW-16	0-2.5'	1/27/2025		×		Comp	_	×	×	×	\vdash			_	
SW-17	0-2.5'	1/27/2025		×		Comp	_	×	×	×	-			_	
	Additional Comments:	ıts:													
					and a fee	a client cor	nonvito I	inco it	affiliat	and su	bcontract	ors. It as	sions sta	idard ter	ms and conditions
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to seriou, as an inserse and a processes are due to circumstances beyond the control policy to serious and the control polic	s document and reli	nquishment of san	nples constitu	utes a valid purcha	ase order fro	m client cor	ilpany to	Velico, in	d but the	ne nilo ea	mah lagg	or are du	o to circu	netances	es are due to circumstances beyond the control

HOLD

NaOH+Ascorbic Acid: SAPC Zn Acetate+NaOH: Zn Na₂S₂O₃: NaSO₃ NaHSO₄: NABIS H3PO4: HP

Sample Comments

H₂S0₄: H₂ HCL: HC Cool: Cool

> HNO3: HN MeOH: Me DI Water: H₂O

NaOH: Na

Work Order No: ♣350472 Page 8 of 9 Work Order Comments Program: UST/PST □PRP Brownfields □RRC □uperfund □	Program: L			
	JST/PST PRP	Work	Work Oro	
	Brownfields	Order Comme	Pa	
	RRC	nts	ge8	1
	uperf		of I)
	und 🗆		l	•

□ST/UST ADaPT

RRP

☐ Level IV ☐

Other:

None: NO

Preservative Codes

er No:
ELHOSEH

Page 91 of 92

						T	T		3	ī	Tota	Sam	Coole	Rece	SAN	PO#	Samp	Proje	Proje	Projec	Phone	City,	Addre	Comp	Projec	Page	
rvice. Xenco will tenco. A minimum	Addit	Addi							SW-18	Sample dentification	Containers:	ole Custody Sea	er Custody Seal	ived Intact:	PLE RECEI		er's Name:	ct Location	ct Number:	ct Name:							
be liable only for th charge of \$85.00 w	is document and re	ional Commi							0-2.5'	Depth (ft bg:				0)			Sioux 3	(580) 682-188	Oklahoma Cit	13212 N Mac	NTG Environ	Kellan Smith	VIRONMENT	
ne cost of samples vill be applied to ea	elinquishment of s	nte:	\parallel				+		1/27/2025	s) Date	81		N/A	Yes No	emp Blank:	,	M.TK	Lea Co, NM	249376	36 State 1H-5H	89	ty, OK 73142	Arthur Blvd	mental		'AL	
and shall not assume and project and a charge	amples constitut								6	Time	Corrected	Temperatu	Correction	Thermome	Yes (No)					1 PF							
charge of \$5 for	tes a valid purch								×	Soil	Temperature:	re Reading:	Factor:	ter ID:	Wet Ice:	lab, if rece	TAT starts the	Due Date:	Routine	Turn	Email:						
reach sample sui	ase order from cl		\prod						CC	Water Cc	4.0	4.60;	-0.10	40	(Yes) No	ived by 4:30pm	day received by	24 hr	Rush	Around	ksmith@ntgl	City, State ZIF	Address:	Company Nam	Bill to: (if differer		
bmitted to)	lient compa		\mathbb{H}	_	\vdash	_	+	+	Т		,,		17.	2000		ore	the		Co		obal.con			ne:	nt)		
penses inc (enco, but	ny to Xenc		+	+	\perp		+	+	-	ont						815			de de								
not analyz	o, its affili		+	+	+		+	+	×	TP	н 80					0+1	MRC))									
zed. These	lates and								×			С	hlor	ride	4500												
terms wi	subcontra				+		+	+	+					_		_	_	_	-								
I be enfor	ctors. It a	╟			+		+	+	+											ANA							
ced unles	ssigns st																			YSIS							
s previou	andard te						_	_	1							_			\vdash	REQUE		7 76		P]	
sly negot	rms and o		+	\vdash	+		+	+	+					_			_		+	ST	liverable	porting:	ate of P	ogram:			
ated.	conditions		+	\forall	+		+		t												S: EDD	evel	oject:	UST/PS			*
eived b																						Leve		T PR	Wor		WOIN Older No. Pro-
v: (Sia			_		+			\downarrow	+	_			_				_	_	+	-		3 5	<u> </u>	P Bro	k Orde		200
nature)		╟	+	H	+		+	+	+		INDI	Nac	_			H ₂ S	HCI	Coc	Non			DET [LOI I/TO	wnfield	r Com		5
										Sami	OI I NOC	Acetate Acetate	52U3. IN	1004 N	O4: HP	04: H ₂	HC.	N: Cool	e: NO	Prese		Г		ds R	ments	Page_	3
D										ple Cor	010107	orbic Ac	1800 ₃		ABIC		: =	Z	0	rvative						9	200
ate/Tim										mment	di. Ora	id SAP	7.			aOH: N	NO ₃ : HI	leOH: M	Water:	Codes		Level		uperfu		of	
CD										0,	(()				m	_	- Ф	H ₂ 0	0,		-		_ 		Page 92	
		Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated. Received by: (Signature)	Additional Comments: Additional Comments: Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions for service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated. Received by: (Signature)	Additional Comments: Additional Comments: Additional Comments: Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated. Received by: (Signature)	Additional Comments: Additional Comments	- (Signature)	Additional Comments: Additional Comments: Additional Comments: Additional Comments and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors, it assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated. Received by: (Signature)	Additional Comments: Additional Comments: Additional Comments: Additional Comments: Additional Comments: Additional Comments Additional Comme	Additional Comments: Additional Comments:	Additional Comments: Additional Comments: Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco. Its affiliates and subcontractors. It assigns standard terms and conditions of sarches. Xenco will be labele only for the cost of samples and shall not assume any responsibility for any losses or spenses incurred by the client and subcontractors. It assigns standard terms and conditions of \$85.00 will be applied to each project and a charge of \$5 for each samples automitted a Xenco, but not analyzed. These terms will be arrivationally incontraction. Received by (Signature)	Sample dentification Depth (ft bgs) Date Time Soil Water Comp Cont Cont Cont Cont Cont Cont Cont Cont	Sample Containers: Sample Depth (ft bgs) Date Time Soil Water Comp Cont	Sample Custody Seals: Yes No. NIA Temperature Reading: 41-10. 1.0 1.	Cooler Custody Seals: Yes No. N/A Correction Factor: 4.0.0 Sample Custody Seals: Yes No. N/A Temperature Reading 4.0.0 Sample Custody Seals: Yes No. N/A Temperature Reading 4.0.0 Sample Custody Seals: Yes No. N/A Temperature Reading 4.0.0 Sample Custody Seals: Yes No. N/A Temperature Reading 4.0.0 Synthetication Depth (it bgs) Date Time Soil Water Comp Cont Cont Cont Cont Cont Cont Cont Cont	Received intact: Cooler Custody Seals Yes Ma Temporature Reading 4.0 Ma Corrected Temperature Reading 4.0 Ma Te	SAMPLE RECEIPT Topps Blank Yes No Wet Ice Yes No Received Intact Yes No No Temmometer ID ILL	SAMPLE RECEIPT Tepp Blank Ves (No.) Water Country Suprimers (1997) No. Thermometer ID: (1997) No. Cooler Custody Seals: Ves (No.) NA Correction Factor: (1997) No. Thermometer ID: (1997) No. Cooler Custody Seals: Ves (No.) NA Temporature Reading: (1997) No. Temporature Reading: (1997) N	Sample Custody Seals: Ves (No) Wet lose (Ves) No Generical Intact: (Leg.) No Thermometer ID: Conser Custody Seals: Ves (No) N/A Temperature Readon: Conservation Factor: Ves (No) N/A Temperature Readon: Conservation Factor: Conserv	Sampler Name: Control Project Number: 248376	Project Number: Solux 36 State 111-5H PF Turn Around Project Number: 249376 Code Project Number Cast) 882-1889 State H-5H PF Turn Anjunt Project Number 249376 Register H-5H PF Routes Routes 249376 Register H-5H PF Routes Routes 24777 Register H-5H PF Routes Coly, State ZIP Oklahoma City, OK 73142 Email Manife Displace Email Ma	Addresses 13212 MaCATINE Blod	Company Name NTG Environmental Company Name Address Company Name Company N	Project Manager Registry Re	Page 19 Page			



February 03, 2025

KELLAN SMITH

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: SIOUX 36 STATE 1H-5H PROD. FRAC

Enclosed are the results of analyses for samples received by the laboratory on 01/31/25 13:04.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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.

Celey D. Keine

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. Keene

Lab Director/Quality Manager



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/31/2025 Sampling Date: 01/31/2025

Reported: 02/03/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Alyssa Parras

A I J D. ... 711

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 7 (H250587-01)

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	01/31/2025	ND	2.16	108	2.00	7.59	
Toluene*	<0.050	0.050	01/31/2025	ND	2.19	110	2.00	7.80	
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.24	112	2.00	6.72	
Total Xylenes*	<0.150	0.150	01/31/2025	ND	6.69	112	6.00	6.10	
Total BTEX	<0.300	0.300	01/31/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	123	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/31/2025	ND	448	112	400	3.64	
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	01/31/2025	ND	190	95.2	200	1.30	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	167	83.6	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celley & Kreens



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/31/2025 Sampling Date: 01/31/2025

Reported: 02/03/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact Project Number: Sample Received By: 249376 Alyssa Parras

Project Location: CAZA - LEA CO, NM

Sample ID: CS - 8 (H250587-02)

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	01/31/2025	ND	2.16	108	2.00	7.59	
Toluene*	<0.050	0.050	01/31/2025	ND	2.19	110	2.00	7.80	
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.24	112	2.00	6.72	
Total Xylenes*	<0.150	0.150	01/31/2025	ND	6.69	112	6.00	6.10	
Total BTEX	<0.300	0.300	01/31/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/31/2025	ND	448	112	400	3.64	
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	01/31/2025	ND	190	95.2	200	1.30	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	167	83.6	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					
Surrogate: 1-Chlorooctane	90.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.4	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706

Fax To:

Received: 01/31/2025 Sampling Date: 01/31/2025

Reported: 02/03/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: CAZA - LEA CO, NM

ma/ka

Sample ID: CS - 19 (H250587-03)

RTFY 8021R

B1EX 8021B	mg,	кg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2025	ND	2.16	108	2.00	7.59	
Toluene*	<0.050	0.050	01/31/2025	ND	2.19	110	2.00	7.80	
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.24	112	2.00	6.72	
Total Xylenes*	<0.150	0.150	01/31/2025	ND	6.69	112	6.00	6.10	
Total BTEX	<0.300	0.300	01/31/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	121	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/31/2025	ND	448	112	400	3.64	
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	01/31/2025	ND	190	95.2	200	1.30	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	167	83.6	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					
Surrogate: 1-Chlorooctane	101	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.2	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Kune



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/31/2025

Reported: 02/03/2025

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC

Project Number: 249376

Project Location: CAZA - LEA CO, NM Sampling Date: 01/31/2025

Sampling Type: Soil

Sampling Condition: Cool & Intact

Sample Received By: Alyssa Parras

Sample ID: CS - 60 (H250587-04)

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	01/31/2025	ND	2.16	108	2.00	7.59	
Toluene*	<0.050	0.050	01/31/2025	ND	2.19	110	2.00	7.80	
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.24	112	2.00	6.72	
Total Xylenes*	<0.150	0.150	01/31/2025	ND	6.69	112	6.00	6.10	
Total BTEX	<0.300	0.300	01/31/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/31/2025	ND	448	112	400	3.64	
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	01/31/2025	ND	190	95.2	200	1.30	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	167	83.6	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					
Surrogate: 1-Chlorooctane	101 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/31/2025 Sampling Date: 01/31/2025

Reported: 02/03/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact
Project Number: 249376 Sample Received By: Alyssa Parras

Applyzod By: 14

Project Location: CAZA - LEA CO, NM

ma/ka

Sample ID: SW - 15 A (H250587-05)

RTFY 8021R

Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.050	0.050	01/31/2025	ND	2.16	108	2.00	7.59	
<0.050	0.050	01/31/2025	ND	2.19	110	2.00	7.80	
<0.050	0.050	01/31/2025	ND	2.24	112	2.00	6.72	
<0.150	0.150	01/31/2025	ND	6.69	112	6.00	6.10	
<0.300	0.300	01/31/2025	ND					
120	% 71.5-13	4						
mg,	/kg	Analyze	d By: HM					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
96.0	16.0	01/31/2025	ND	448	112	400	3.64	
mg,	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	01/31/2025	ND	190	95.2	200	1.30	
<10.0	10.0	01/31/2025	ND	167	83.6	200	2.44	
<10.0	10.0	01/31/2025	ND					
95.0	% 48.2-13	4						
96.9	% 49.1-14	8						
-	<0.050 <0.050 <0.050 <0.150 <0.300 120 9 mg, Result 96.0 mg, Result <10.0 <10.0 95.0	<0.050 <0.050 <0.050 <0.050 <0.050 <0.150 <0.300 0.300 120 % 71.5-13 mg/kg Result Reporting Limit 96.0 16.0 mg/kg Result Reporting Limit <10.0 10.0 <10.0 10.0 <10.0 48.2-13	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

NTG ENVIRONMENTAL KELLAN SMITH 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706 Fax To:

Received: 01/31/2025 Sampling Date: 01/31/2025

Reported: 02/03/2025 Sampling Type: Soil

Project Name: SIOUX 36 STATE 1H-5H PROD. FRAC Sampling Condition: Cool & Intact Sample Received By: Project Number: 249376 Alyssa Parras

Project Location: CAZA - LEA CO, NM

Sample ID: SW - 19 (H250587-06)

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	01/31/2025	ND	2.16	108	2.00	7.59	
Toluene*	<0.050	0.050	01/31/2025	ND	2.19	110	2.00	7.80	
Ethylbenzene*	<0.050	0.050	01/31/2025	ND	2.24	112	2.00	6.72	
Total Xylenes*	<0.150	0.150	01/31/2025	ND	6.69	112	6.00	6.10	
Total BTEX	<0.300	0.300	01/31/2025	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/31/2025	ND	448	112	400	3.64	
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	01/31/2025	ND	190	95.2	200	1.30	
DRO >C10-C28*	<10.0	10.0	01/31/2025	ND	167	83.6	200	2.44	
EXT DRO >C28-C36	<10.0	10.0	01/31/2025	ND					
Surrogate: 1-Chlorooctane	106 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keene

Chain of Custody



	1 480 175 0
Project Manager	
Kellan Smith	ENVIRONMENTA

City, State ZIP: Address: Company Name:

Oklahoma City, OK 73142 13212 N MacArthur Blvd

City, State ZIP:

Deliverables: EDD

ADaPT

Reporting:Level II Level III PST/UST

☐ RRP Other:

Level IV

State of Project:

□uperfund □

Work Order Comments

Page

of

Company Name: Bill to: (if different)

NTGE

Phone:	(832) 374-0004			Email:									Deliver	Deliverables: EDD		ADaP1 L	Other:	
Project Name:	Sioux 36 1	Sioux 36 1H-5H Prod Facility	cility	Turn	Turn Around						AN	ANALYSIS REQUEST	EQUEST				Preservative Codes	0
Project Number:		249376		Routine	✓ Rush	0.71	Pres. Code									Nor	None: NO DI Water: H ₂ O	8
Project Location	Lea	Lea County, NM		Due Date:	24hrs				8							Coo	Cool: Cool Me	MeOH: Me
Sampler's Name:	C	Clayton T		TAT starts the	TAT starts the day received by the	/ the			RO)							НС		HNO ₃ : HN
PO #:				lab, if rece	lab, if received by 4:30pm		s		+ M							H ₂ S	2	NaOH: Na
SAMPLE RECEIPT		Temp Blank:	Yes No	Wet Ice:	Yes No		etei	IB	DRO	500						H ₃ F	U	
Received Intact:		No		eter ID:	- 1		ram	8021		le 45							NaHSO₄: NABIS	
Cooler Custody Seals:	Yes	0	Correction Factor	n Factor:	C-0.6-		Pa	EX		orid						но	Na ₂ S ₂ O ₃ ; NaSO ₃	
Sample Custody Seals:	Yes		Temperat	Temperature Reading:	200			ВТ		Ch			_			Zn	Zn Acetate+NaOH: Zn	'n
Total Containers:		6	Corrected	Corrected Temperature:	2.3:				801							Na	NaOH+Ascorbic Acid: SAPC	
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water C	Grab/ #	# of Cont		TPH		2				2	No.	Sample Comments	3
CS-7		1/31/2025	9:00	×	C	Comp	_	×	×	×								
) CS-8		1/31/2025	9:03	×	C	Comp	_	×	×	×								- 1
3 CS-19		1/31/2025	9:06	×	C	Comp	_	×	×	×								
CS-60		1/31/2025	9:09	×	C	Comp	_	×	×	×								
SW-15 A		1/31/2025	9:12	×	C	Comp	_	×	×	×								
0 SW-19		1/31/2025	9:15	×	C	Comp	_	×	×	×								
										-								
						_			_									1
Additio	Additional Comments:	9:																- 1
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$8.5.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	document and reling liable only for the co	uishment of samp	oroject and a	tes a valid purchassume any respon	se order from cli sibility for any lo	ient compa	any to Xe xpenses	nco, its incurred	affiliates by the c	and sul	contractors. It uch losses are c	s. It assigns standard terms and condi- are due to circumstances beyond the co- enforced unless previously negotiated.	dard terms ar stances beyon	s. It assigns standard terms and conditions are due to circumstances beyond the control enforced unless previously negotiated.				
Relinquisped by Signature	(Signature)		Receive	Received by: (Signature)	ıre)		0 / D	Date/Time	me		Relinquishe	shed by: (Signature)	nature)	Recei	Received by: (Signature)	gnature)	Date/Time	
THI !		7 2	ana	9		-	200	35/ 1304	204	2								
a. My		9								4								
																		-

Revised Date 05012020 Rev. 2020.1

Sante Fe Main Office Phone: (505) 476-3441 General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 441642

QUESTIONS

ı	Operator:	OGRID:
ı	CAZA OPERATING, LLC	249099
ı	200 N Loraine St	Action Number:
ı	Midland, TX 79701	441642
ı		Action Type:
ı		[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2434432746
Incident Name	NAPP2434432746 SIOUX 36 STATE 1H-5H PRODUCTION FACILITY @ 0
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2428852127] Sioux 36 State 1H-5H Production Facility

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Sioux 36 State 1H-5H Production Facility
Date Release Discovered	12/07/2024
Surface Owner	State

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil 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	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
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 fo	or the volumes provided should be attached to the follow-up C-141 submission.
Crude Oil Released (bbls) Details	Cause: Equipment Failure Other (Specify) Crude Oil Released: 8 BBL Recovered: 0 BBL Lost: 8 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
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)	Instrument air compressor lost power. Sent liquid to the flare.

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS, Page 2

Action 441642

QUESTIONS (cor	itinue
	OCDID

402011	One (continued)
Operator:	OGRID: 249099
CAZA OPERATING, LLC 200 N Loraine St	Action Number:
Midland, TX 79701	441642
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be 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.	e. gas only) are to be submitted on the C-129 form.
Initial Response	
The responsible party must undertake the following actions immediately unless they could create a s	afety hazard that would result in injury. I
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	n/a
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ed 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.
to report and/or file certain release notifications and perform corrective actions for releathe 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 asses 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
I hereby agree and sign off to the above statement	Name: Kelly Arrendondo Title: Production Reporting Manager Email: karredondo@ntglobal.com Date: 12/10/2024

Sante Fe Main Office Phone: (505) 476-3441 General Information

Phone: (505) 629-6116
Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS, Page 3

Action 441642

QUESTIONS (continued)

Operator:	OGRID:
CAZA OPERATING, LLC	249099
200 N Loraine St	Action Number:
Midland, TX 79701	441642
	Action Type:
	[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 approva release discovery date.	l and beyond). This information must be provided to the appropriate district office no later than 90 days after the
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (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 ar	nd the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 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	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (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	Yes

Remediation Plan		
Please answer all the questions th	at 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 de	monstrating 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 vertica	l extents of contamination been fully delineated	Yes
Was this release entirely co	ontained within a lined containment area	No
Soil Contamination Sampling	: (Provide the highest observable value for each, in mil	ligrams per kilograms.)
Chloride	(EPA 300.0 or SM4500 CI B)	14000
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	19440
GRO+DRO	(EPA SW-846 Method 8015M)	15880
BTEX	(EPA SW-846 Method 8021B or 8260B)	28.8
Benzene	(EPA SW-846 Method 8021B or 8260B)	0.5
	IMAC unless the site characterization report includes completed elines for beginning and completing the remediation.	l efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
On what estimated date wi	Il the remediation commence	01/20/2025
On what date will (or did) th	ne final sampling or liner inspection occur	01/31/2025
On what date will (or was) t	the remediation complete(d)	02/07/2025
What is the estimated surfa	ice area (in square feet) that will be reclaimed	12676
What is the estimated volur	ne (in cubic yards) that will be reclaimed	1675
What is the estimated surfa	ce area (in square feet) that will be remediated	12676
What is the estimated volume (in cubic yards) that will be remediated 1675		
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.

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS, Page 4

Action 441642

QUESTIONS (continued)

Operator:	OGRID:
CAZA OPERATING, LLC	249099
200 N Loraine St	Action Number:
Midland, TX 79701	441642
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

4	
Remediation Plan (continued)	
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.
This remediation will (or is expected to) utilize the following processes to remediate	/ reduce contaminants:
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site 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	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	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: Kelly Arrendondo Title: Production Reporting Manager I hereby agree and sign off to the above statement Email: karredondo@ntglobal.com Date: 03/12/2025

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.

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS, Page 5

Action 441642

QUESTIONS (continued)

Operator:	OGRID:
CAZA OPERATING, LLC	249099
200 N Loraine St	Action Number:
Midland, TX 79701	441642
	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	No

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS, Page 6

Action 441642

QUESTIONS (continued)

Operator:	OGRID:
CAZA OPERATING, LLC	249099
200 N Loraine St	Action Number:
Midland, TX 79701	441642
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information		
Last sampling notification (C-141N) recorded	426087	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/31/2025	
What was the (estimated) number of samples that were to be gathered	5	
What was the sampling surface area in square feet	1000	

Remediation Closure Request				
Only answer the questions in this group if seeking remediation closure for this release because all remediation 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	12676			
What was the total volume (cubic yards) remediated	1675			
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	12676			
What was the total volume (in cubic yards) reclaimed	1675			
Summarize any additional remediation activities not included by answers (above)	n/a			

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 (in .pdf format) 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.

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.

Name: Kelly Arrendondo
Title: Production Reporting Manager
Email: karredondo@ntglobal.com
Date: 03/12/2025

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS, Page 7

Action 441642

QUESTIONS (continued)

Operator:	OGRID:
CAZA OPERATING, LLC	249099
200 N Loraine St	Action Number:
Midland, TX 79701	441642
	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

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Action 441642

CONDITIONS

Operator:	OGRID:
CAZA OPERATING, LLC	249099
200 N Loraine St	Action Number:
Midland, TX 79701	441642
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By		Condition Date
scott.rodgers	This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	3/28/2025