

Cotton Draw 202h

OCD Incident nAPP2406036995

2/28/2024

<u>Spill Volume(Bbls) Calculator</u>	
<i>Inputs in blue , Outputs in red</i>	
Contaminated Soil measurement	
Area (sq feet)	Depth (in)
<u>5,396.00</u>	<u>0.75</u>
Cubic Feet of Soil Impacted	<u>337.25</u>
Barrels of Soil Impacted	<u>60.12</u>
Soil Type	Clay/Sand
Barrels of Oil Assuming 100% Saturation	<u>9.02</u>
Saturation	Damp no fluid when squeezed
Estimated Barrels of Oil Released	0.90
Free Standing Fluid Only	
Area (sq feet)	Depth (inches))
<u>5,396.00</u>	<u>0.125</u>
Standing fluid	<u>10.00</u>
<u>Total fluids spilled</u>	<u>10.90</u>



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May 3, 2024

Mike Bratcher
District Supervisor
Oil Conservation Division, District 2
811 S. First Street
Artesia, New Mexico 88210

Re: Closure Request
Devon Energy Production Company
Cotton Draw Unit #202H
Unit M, Section 02, Township 25S, Range 31E
Site Coordinates: 32.1527138, -103.7534637
Eddy County, New Mexico
Incident ID: nAPP2406036995

Introduction

On behalf of Devon Energy Production Company (Devon), New Tech Global Environmental, LLC (NTGE) has prepared this Closure Request Report for submittal to the New Mexico Oil Conservation Division (NMCOD) District 2 Office in Artesia, New Mexico to document site assessment, remedial action activities, and sample analysis results for the release number: nAPP2406036995 – Cotton Draw Unit #202H (Site). The Site is in Unit Letter M, Section 02, of Township 25 South and Range 31 East in Eddy County, New Mexico. The GPS coordinates for the release site are 32.1527138° N latitude and 103.7534637° W longitude. The site location with respect to the nearest town is shown in Figure 1 and the topography of the area is shown in Figure 2.

Background

Based on the Release Notification C-141 Form, the release was discovered on February 28th, 2024, and was due to equipment failure. Upon discovery, the Site was shut-in and repairs ensued. The spill resulted in a release of approximately ten (10) barrels (bbls) of produced of which zero (0) bbls were recovered for an approximate net loss of ten (10) bbls of produced water. The release area is shown in Figure 3.

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Groundwater and Site Characterization

Based on a review of the New Mexico Office of State Engineers (NMOSE) and USGS databases, there is one known water source within a ½-mile radius of the Site. The nearest identified well (C-04632) is located approximately 0.47 miles west of the Site in Sec 10 T25S R31E and was drilled in 2022 to the reported depth of 55 feet below ground surface (ft bgs) with no groundwater encountered. No other receptors (playas, wetlands, waterways, lakebeds, or ordinance boundaries) are located within each specific boundary or 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 this 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	>55

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

Regulatory Standard	Chloride	TPH (GRO+DRO+MRO)	GRO+DRO	BTEX	Benzene
19.15.23.12 Remediation and Closure Criteria for Soils Impacted by a Release	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
Notes: --- = not defined					

Site Assessment

On March 1st, 2024, NTGE conducted site assessment activities to assess the extent of impacts at the Site. Four (4) vertical sample points (V-1 through V-4) were installed within the release area, while eight (8) horizontal sample points (H-1 through H-8) were installed adjacent to the release area in order to characterize the impacts. Soil samples were collected at half-foot (0.5) to one (1) foot (ft) intervals from depths ranging from 0 to 4.5 ft bgs with a geotechnical hand auger. The hand auger was decontaminated with Alconox and deionized water between soil borings to prevent cross-contamination. Soil samples were placed directly into laboratory provided samples containers, placed on ice, and transported under proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, NM for analysis of benzene, toluene, ethylbenzene, and xylenes (BTEX) (EPA Method 8021B), total petroleum hydrocarbons (TPH) (EPA method 8015 modified), and chloride (method SM4500Cl-B). The analytical results indicated that Chloride, TPH, Benzene, and BTEX concentrations exceeded the NMOCD regulatory limits in the areas of V-1 through V-4 at various depths ranging from zero (0) to three and a half (3.5) ft bgs. Analytical results indicated that horizontal delineation sample H-2 exhibited concentrations above NMOCD standards for TPH

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at depths ranging from 0 to 0.5 ft bgs. Analytical results are included in Table 1, while soil boring locations are shown in Figure 3. Laboratory reports containing analytical methods and chain-of-custody documents are attached to the report.

Remedial Action Activities and Confirmation Sampling

Based on the analytical results, Devon proceeded with the remedial actions at the Site to include the excavation and disposal of impacted soils above regulatory limits. The areas of V-1 were excavated to a depth of four (4) ft. bgs, the areas of V-2 and H-2 were excavated to two and a half (2.5) ft. bgs, and the areas of V-3 and V-4 were excavated to one and a half (1.5) ft. bgs.

On March 28th, 2024, NTGE was on site to conduct confirmation sampling event. A total of fifteen (15) composite confirmation samples were collected from the excavation base (CS-1 through CS-15) and ten (10) composite confirmation samples were collected from the excavation sidewalls (SW-1 through SW-10) to ensure impacted soil was removed. Soil samples were placed directly into laboratory provided sample containers, placed on ice, and transported under proper chain-of-custody protocol to the lab. Soil samples were collected and analyzed for BTEX (EPA method 8021B), TPH (EPA method 8015 modified), and chloride (method SM4500Cl-B). Confirmation samples were taken with a five (5) point composite sample and represent an area no greater than 200 square feet to comply with NMAC 19.15.23.12 and 19.15.29.13. Confirmation samples were delivered to Cardinal Laboratories in Hobbs, New Mexico and analyzed for BTEX (EPA method 8021B), TPH (EPA method 8015B Modified) and chloride (method SM4500Cl-B). Analytical results showed that multiple composite confirmation excavation base and sidewall samples (CS-1, CS-2, CS-3, CS-6, CS-7, CS-9, SW-1 through SW-9, and SW-11 through SW-14) were above NMOCD regulatory criterion for chloride and/or TPH concentrations. Devon continued the excavation both horizontally and vertically based on the laboratory results of confirmation samples to ensure all impacted soils were removed.

After further excavation, NTGE returned to site on April 8th, 2024, to collect a total of six (6) base confirmation samples (CS-1A, CS-2A, CS-3A, CS-6A, CS-7A, and CS-9A) and nine (9) sidewall confirmation samples (SW-1A through SW-9A) for submittal to Cardinal laboratories for the analysis of BTEX, TPH, and chlorides. Analytical results indicated that two (2) sidewall confirmation samples (SW-4A and SW-5A) exhibited chloride and/or TPH concentrations that were above NMOCD regulatory criterion for the Site.

After further excavation, NTGE was on site April 16th, 2024, to collect one (1) confirmation sample (CS-16) and six (6) sidewall confirmation samples (SW-4B, SW-5B, SW-11, SW-12, SW-13, and SW-14) for submittal to lab for analysis of BTEX, TPH, and Chlorides. Analytical results indicated that confirmation sample CS-16, and sidewall confirmation samples SW-4B, SW-5B, SW-11, SW-12, SW-13, and SW-14 were above NMOCD regulatory criterion for the Site.

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After further excavation, NTGE returned to the site April 29th, 2024, to collect one (1) confirmation sample (CS-16) and six (6) confirmation sidewall samples (SW-4C, SW-5C, SW-11A, SW-12A, SW-13A, and SW-14A) for submittal to lab for analysis of BTEX, TPH, and chlorides. Analytical results for all analytes were below NMOCD regulatory criterion for the Site. The final excavation extent and confirmation sample locations are shown on Figure 4. Analytical results of all confirmation samples are included in Table 2 with laboratory reports attached.

Closure Request

Based on the assessment and subsequent remedial action activities, the Site is compliant with the regulatory limits and no further actions are required at the site. A copy of the final C- 141 is attached, and Devon formally requests a no further action designation for the Site. If you have any questions regarding this report or need additional information, please contact us at 432-701-2159.

Sincerely,
NTG Environmental



Ethan Sessums
Project Manager

Attachments:

- Tables
- Figures
- Site Characterization
- Photographic Log
- Laboratory Reports and Chain-of-Custody Documents

TABLES

Table 1
Summary of Soil Analytical Data - Delineation Samples
Cotton Draw Unit #202H
Devon Energy Production Company
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Total Xylenes	BTEX	TPH					Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			Table I Closure Criteria for Soil 51-100 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,000 mg/kg	---	2,500 mg/kg	10,000 mg/kg
Vertical Delineation Samples													
V-1	3/1/2024	0-0.5	19.7	92.8	26.8	177	316	4,350	16,200	20,550	3,080	23,630	2,400
	3/1/2024	1-1.5	11.4	60.6	12.9	95.5	180	2,740	5,600	8,340	1,030	9,370	224
	3/1/2024	2-2.5	2.22	13.8	3.36	25.9	45.3	1,650	4,440	6,090	829	6,919	560
	3/1/2024	3-3.5	1.51	12.6	3.41	26.7	44.2	460	1,560	2,020	308	2,328	448
	3/1/2024	4-4.5	0.503	2.93	0.737	5.72	9.9	36.7	159	195.7	34.8	230.5	96
V-2	3/1/2024	0-0.5	2.05	26.6	8.29	66.2	103	1,350	7,610	8,960	1,490	10,450	10,900
	3/1/2024	1-1.5	0.812	13.2	4.03	32.8	50.9	437	1,340	1,777	264	2,041	1,330
	3/1/2024	2-2.5	0.127	0.965	0.447	3.87	5.41	16.2	111	127.2	19.3	146.5	560
	3/1/2024	3-3.5	<0.050	0.141	0.126	1.07	1.33	12.7	118	130.7	<10.0	130.7	336
	3/1/2024	4-4.5	0.061	2.41	1.21	10.1	13.8	28.4	135	163.4	<10.0	163.4	464
V-3	3/1/2024	0-0.5	1.17	7.45	2.99	27.4	39	1,270	13,900	15,170	2,570	17,740	7,520
	3/1/2024	1-1.5	<0.050	0.416	0.126	1.04	1.58	17.3	98.4	115.7	20.3	136	128
	3/1/2024	2-2.5	0.055	0.193	<0.050	0.3	0.549	<10.0	<10.0	<10.0	<10.0	<10.0	160
	3/1/2024	3-3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96
	3/1/2024	4-4.5	<0.050	<0.050	0.061	<0.150	0.061	<10.0	<10.0	<10.0	<10.0	<10.0	160
V-4	3/1/2024	0-0.5	5.86	31.9	9.32	75.8	123	2,730	42,600	45,330	9600	54,930	1,120
	3/1/2024	1-1.5	0.075	0.638	0.135	0.9	1.75	17.3	23.1	40.4	<10.0	40.4	80
	3/1/2024	2-2.5	0.275	1.49	0.266	1.86	3.88	10.1	16.9	27	<10.0	27	80
	3/1/2024	3-3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
	3/1/2024	4-4.5	<0.050	0.12	<0.050	0.337	0.457	<10.0	19.5	19.5	<10.0	19.5	176
Horizontal Delineation Samples													
H-1	3/1/2024	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	32.4	32.4	<10.0	32.4	400
H-2	3/1/2024	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	101	101	30.2	131.2	496
H-3	3/1/2024	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
H-4	3/1/2024	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
H-5	3/1/2024	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	16.7	16.7	<10.0	16.7	128
H-6	3/1/2024	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
H-7	3/1/2024	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
H-8	3/1/2024	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48

Notes:

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

- TPH analyses by EPA Method SW 8015 Mod.
- 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

SP-1 Sample Point Excavated

Table 2
Summary of Soil Analytical Data - Confirmation Samples
Cotton Draw Unit #202H
Devon Energy Production Company
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Total Xylenes	BTEX	TPH					Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			Table I Closure Criteria for Soil 51-100 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,000 mg/kg	---	2,500 mg/kg	10,000 mg/kg
Base Confirmation Samples													
CS-1	3/28/2024	4'	<0.050	<0.050	0.063	1.02	1.08	56.6	1,060	1,116.6	140	1,256.6	352
	4/8/2024	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	15	15	<10.0	<10.0	512
CS-2	3/28/2024	4'	<0.050	<0.050	<0.050	0.065	0.065	50.7	957	1,007.7	125	1,132.7	448
	4/8/2024	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	69.6	69.6	<10.0	69.6	240
CS-3	3/28/2024	4'	<0.050	<0.050	0.075	1.09	1.16	59.4	1,230	1,289.4	177	1,466.4	448
	4/8/2024	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	35.1	35.1	<10.0	35.1	880
CS-4	3/28/2024	4'	<0.050	<0.050	<0.050	0.517	0.517	38.5	927	965.5	164	1,129.5	320
CS-5	3/28/2024	4'	<0.050	<0.050	0.092	1.52	1.61	39.6	782	821.6	148	969.6	352
CS-6	3/28/2024	2.5'	<0.050	<0.050	<0.050	0.362	0.362	18.6	503	521.6	123	644.6	256
	4/8/2024	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	55.5	55.5	<10.0	55.5	1,040
CS-7	3/28/2024	2.5'	<0.050	<0.050	<0.050	0.489	0.489	26.8	623	649.8	111	760.8	336
	4/8/2024	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	85.1	85.1	13	98.1	896
CS-8	3/28/2024	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
CS-9	3/28/2024	2.5'	<0.050	<0.050	0.08	1.3	1.38	42.2	947	989.2	189	1,178.2	368
	4/8/2024	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	720
CS-10	3/28/2024	1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-11	3/28/2024	1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-12	3/28/2024	1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-13	3/28/2024	1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
CS-14	3/28/2024	1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
CS-15	3/28/2024	1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
CS-16	4/16/2024	1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	895	895	237	1132	144
CS-16A	4/29/2024	2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Sidewall Confirmation Samples													
SW-1	3/28/2024	0-4'	<0.050	<0.050	<0.050	0.521	0.521	45.3	920	965.3	161	1,126.3	320
SW-1A	4/8/2024	0-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
SW-2	3/28/2024	0-4'	<0.050	<0.050	<0.050	0.665	0.665	27.8	612	639.8	108	747.8	336
SW-2A	4/8/2024	0-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	576
SW-3	3/28/2024	0-4'	<0.050	<0.050	<0.050	0.525	0.525	33.2	636	669.2	103	772.2	288
SW-3A	4/8/2024	0-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,040
SW-4	3/28/2024	2.5-4'	<0.050	<0.050	<0.050	0.532	0.532	28.4	605	633.4	112	745.4	336
SW-4A	4/8/2024	2.5-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	657	657	110	767	2,320
SW-4B	4/16/2024	2.5-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	930	930	240	1,170	224
SW-4C	4/29/2024	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
SW-5	3/28/2024	0-2.5'	<0.050	<0.050	<0.050	0.534	0.534	31.7	668	699.7	115	814.7	336
SW-5A	4/8/2024	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	608
SW-5B	4/16/2024	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	895	895	221	1116	144

Table 2
Summary of Soil Analytical Data - Confirmation Samples
Cotton Draw Unit #202H
Devon Energy Production Company
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Total Xylenes	BTEX	TPH					Chloride	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)		
			Table I Closure Criteria for Soil 51-100 feet Depth to Groundwater 19.15.29 NMAC											
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,000 mg/kg	---	2,500 mg/kg		10,000 mg/kg
SW-5C	4/29/2024	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0	
SW-6	3/28/2024	0-2.5'	<0.050	<0.050	<0.050	0.42	0.42	27.2	541	568.2	85.6	653.8	336	
SW-6A	4/8/2024	0-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272	
SW-7	3/28/2024	1.5-2.5'	<0.050	<0.050	<0.050	1.18	1.18	59.7	757	810.7	143	953.7	336	
SW-7A	4/8/2024	1.5-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	19.2	19.2	<10.0	19.2	400	
SW-8	3/28/2024	0-1.5'	<0.050	<0.050	<0.050	0.421	0.421	35.8	756	791.8	144	935.8	320	
SW-8A	4/8/2024	0-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400	
SW-9	3/28/2024	0-1.5'	<0.050	<0.050	<0.050	0.558	0.558	37	1,050	1,087	206	1,293	272	
SW-9A	4/8/2024	0-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64	
SW-10	3/28/2024	0-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
SW-11	4/16/2024	2.5-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	885	885	228	1,113	192	
SW-11A	4/29/2024	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0	
SW-12	4/16/2024	4-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	638	638	171	889	176	
SW-12A	4/29/2024	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0	
SW-13	4/16/2024	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1,090	1,090	275	1,365	240	
SW-13A	4/29/2024	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
SW-14	4/16/2024	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1,110	1,110	292	1,402	176	
SW-14A	4/29/2024	0-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	

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

SP-1

 Sample Point Excavated

5. TPH analyses by EPA Method SW 8015 Mod.

6. GRO/DRO/MRO - Gasoline/Diesel/Motor Oil

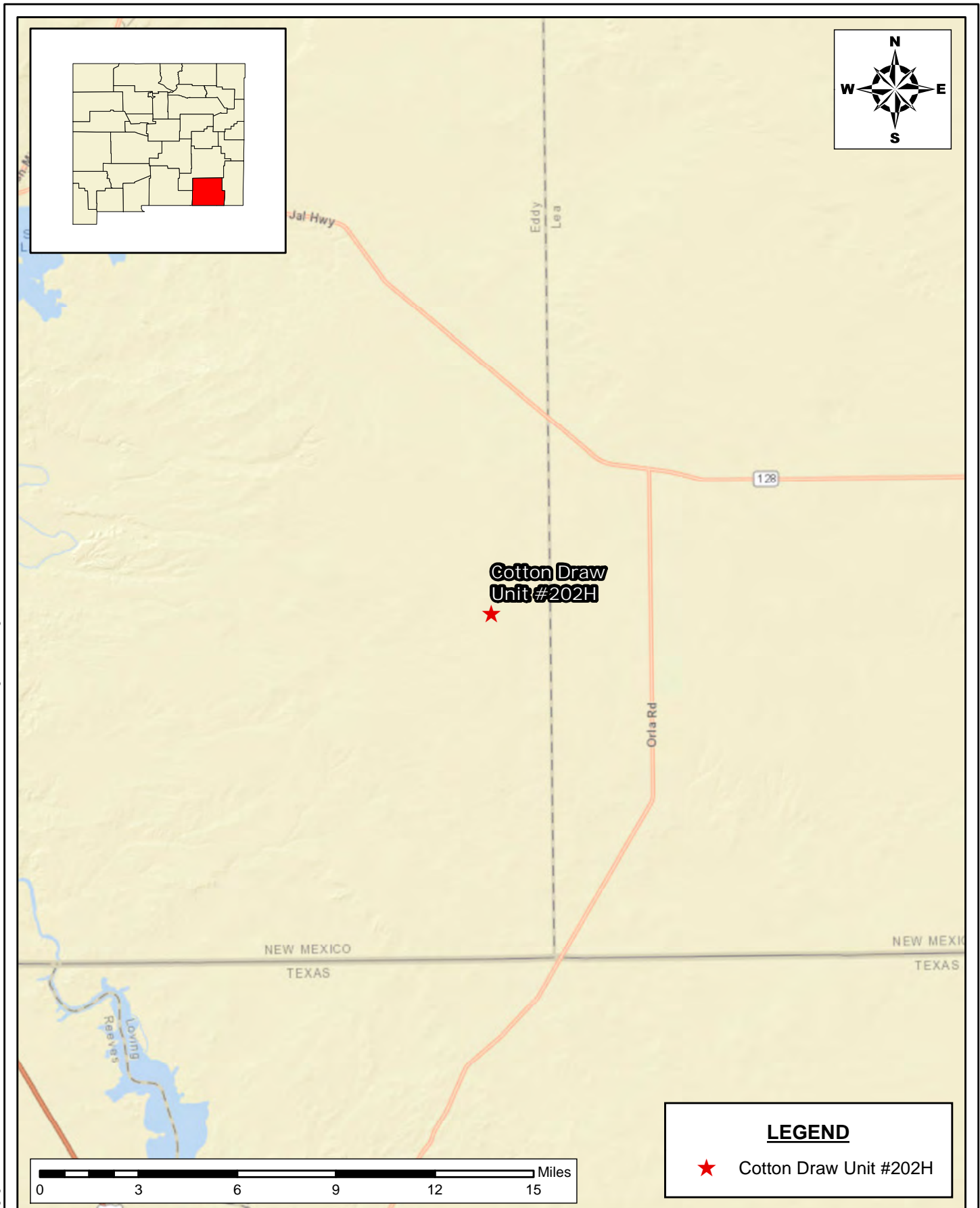
7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.

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

FIGURES

Document Path: C:\Users\ntgegis\New Tech Global\NTGE - Documents\2024 PROJECTS\DEVONRSC\248463 - Cotton Draw 2027 - Figures\GIS\Figure_1_SL.mxd



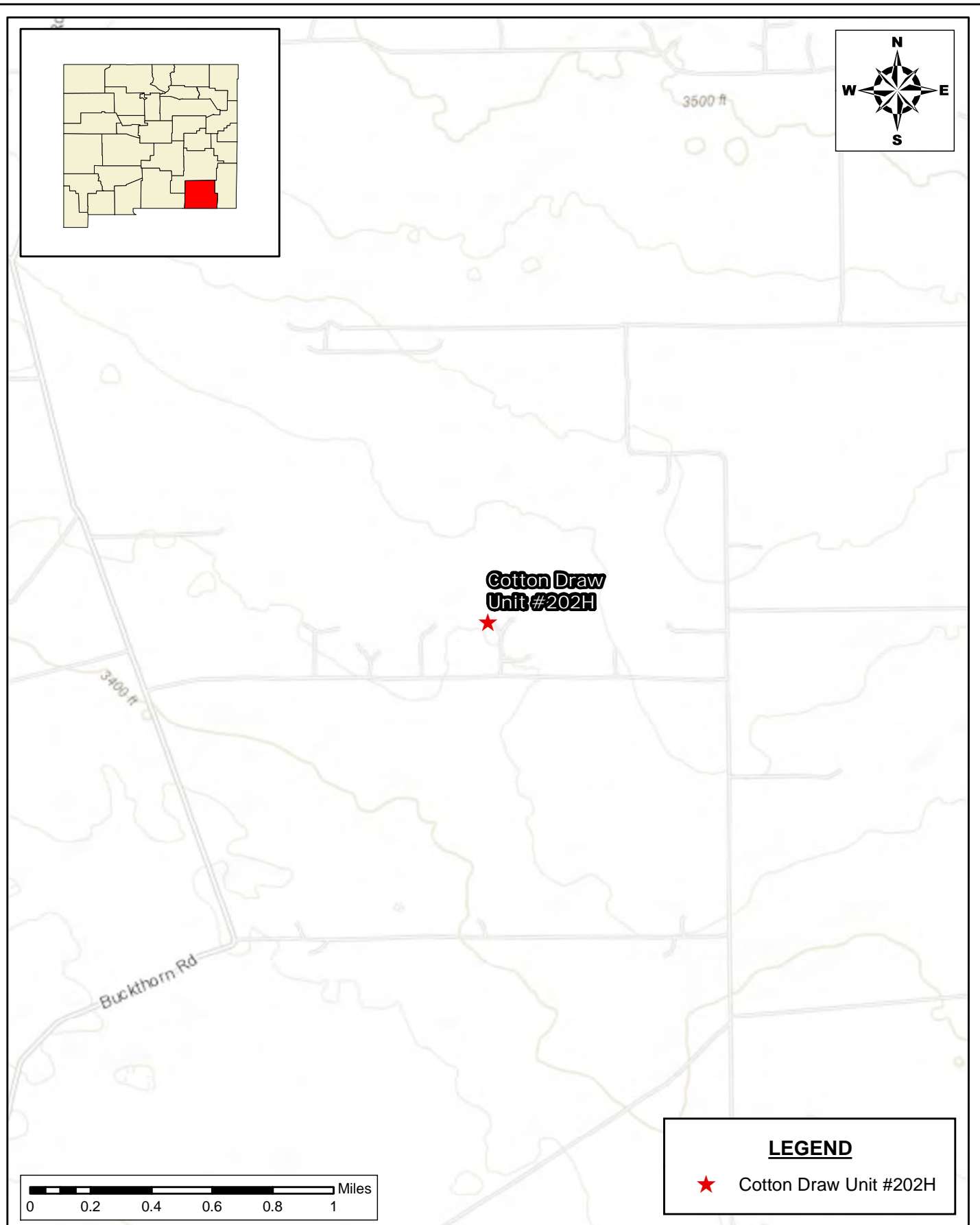
SITE LOCATION MAP CLOSURE REPORT COTTON DRAW UNIT #202H DEVON ENERGY PRODUCTION CORPORATION EDDY COUNTY, NEW MEXICO		
SCALE: As Shown	Date: 2/29/2024	PROJECT #: 248463

	New Tech Global Environmental, LLC
	911 Regional Park Drive
	Houston, Texas 77060
	T - 281.872.9300
	F - 281.872.4521
Web: www.ntgenviromental.com	

NOTES:
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983

DRAWING NUMBER:
FIGURE 1
SHEET NUMBER:
1 of 1

Document Path: C:\Users\ntg\gis\New Tech Global\NTGE - Documents\2024 PROJECTS\DEVON\NRSC\248463 - Cotton Draw 2021 - Figures\GIS\Figure_2_TM.mxd



TOPOGRAPHIC MAP
CLOSURE REPORT
COTTON DRAW UNIT #202H
DEVON ENERGY PRODUCTION CORPORATION EDDY
COUNTY, NEW MEXICO

SCALE: As Shown Date: 2/29/2024 PROJECT #: 248463



New Tech Global Environmental, LLC
911 Regional Park Drive
Houston, Texas 77060
T - 281.872.9300
F - 281.872.4521
Web: www.ntgenviroinmental.com

NOTES:
1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983

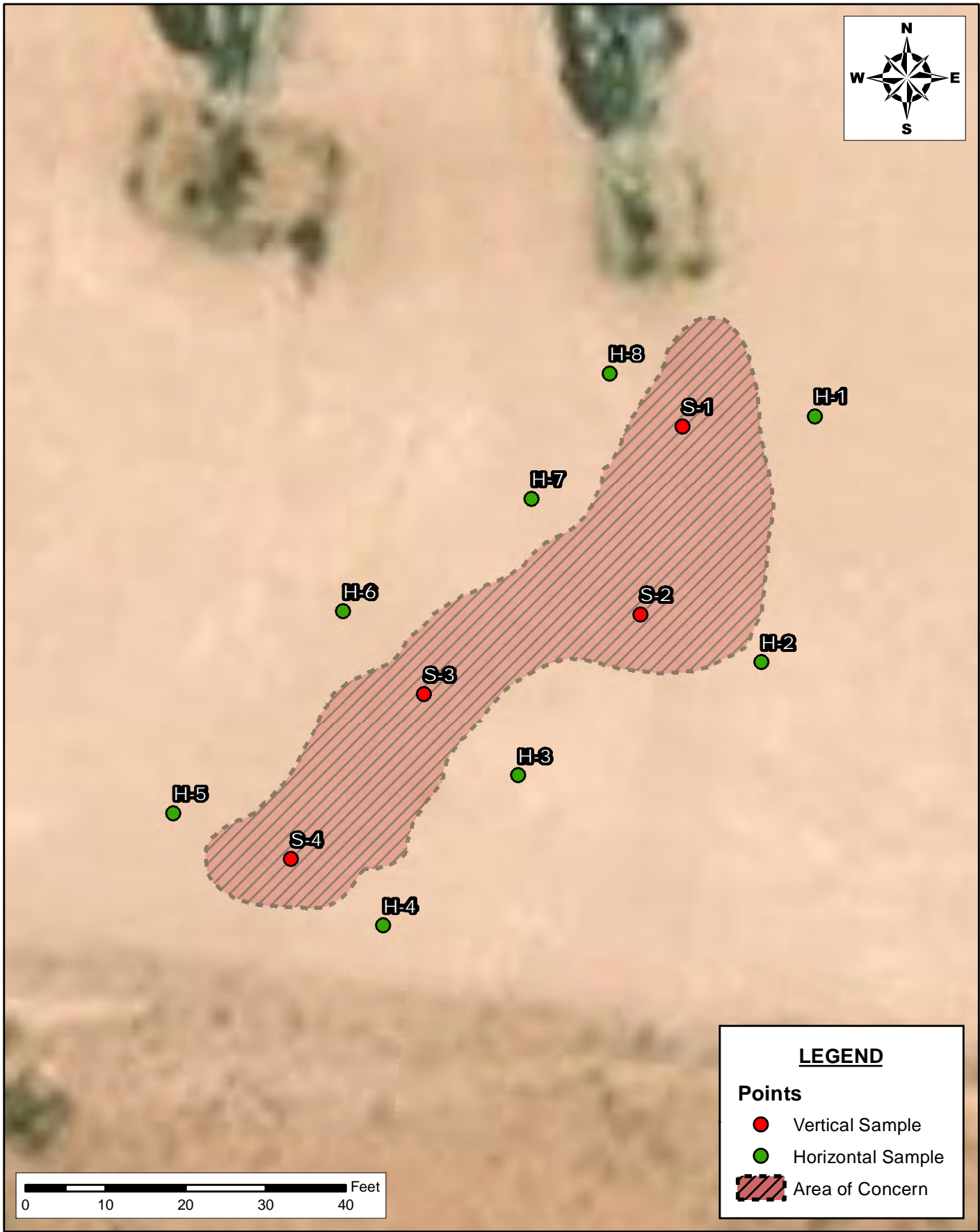
DRAWING NUMBER:

FIGURE 2

SHEET NUMBER:

1 of 1

Document Path: C:\Users\ntg\gis\New Tech Global\NTGE - Documents\2024 PROJECTS\DEVON\NRSC\248463 - Cotton Draw 20217 - Figures\GIS\Figure_3_1A.mxd



SITE ASSESSMENT MAP
CLOSURE REPORT
DEVON ENERGY PRODUCTION COMPANY
COTTON DRAW UNIT #202H
EDDY COUNTY, NEW MEXICO



New Tech Global Environmental, LLC
911 Regional Park Drive
Houston, Texas 77060
T - 281.872.9300
F - 281.872.4521
Web: www.ntgenviroinmental.com

NOTES:

- 1. Base Image: ESRI Maps & Data 2017
- 2. Map Projection: NAD 1983

DRAWING NUMBER:

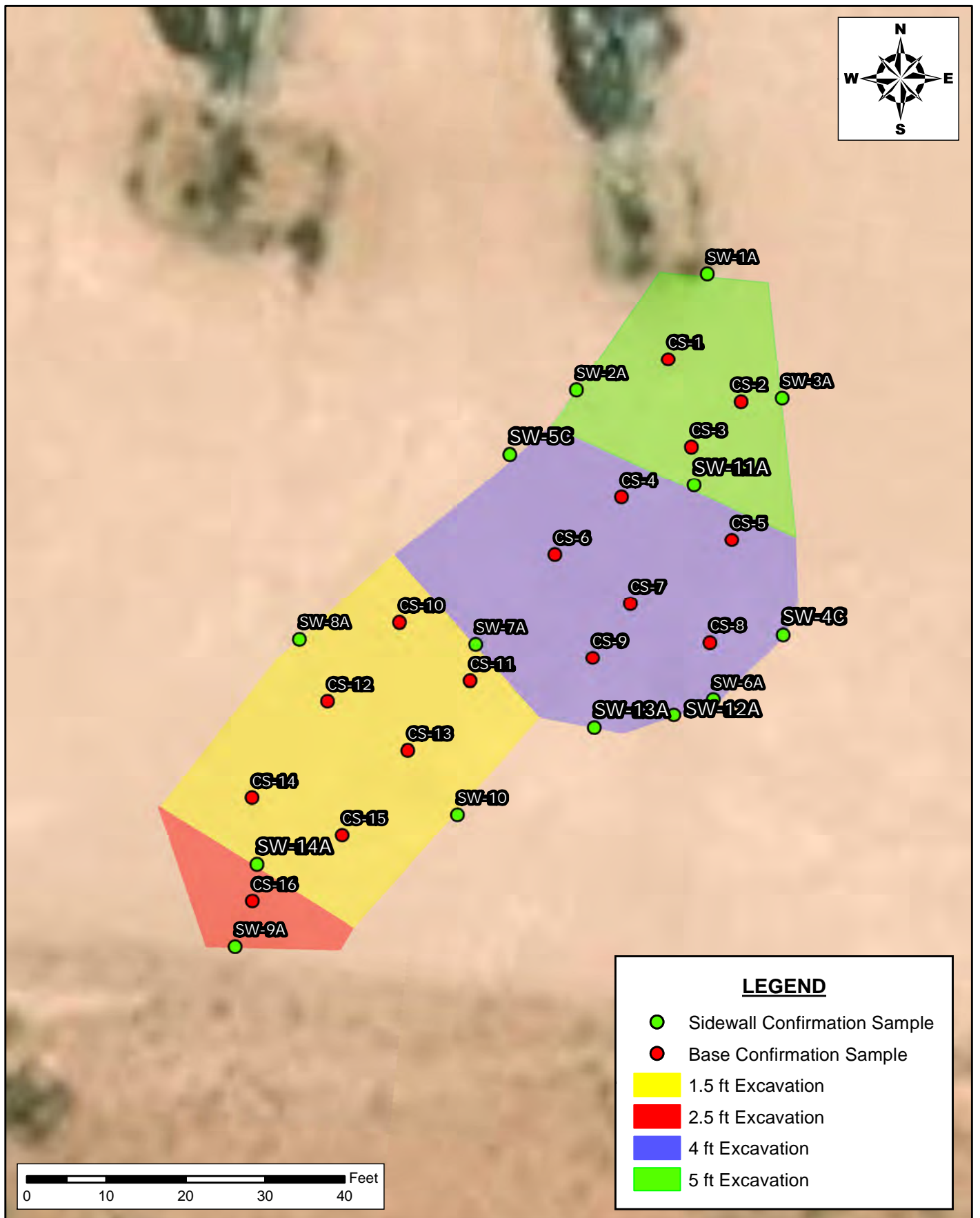
FIGURE 3

SHEET NUMBER:

1 of 1

SCALE: AS SHOWN DATE: 03/06/2024 PROJECT #: 248463

Document Path: C:\Users\ntg\gis\New Tech Global\NTGE - Documents\2024 PROJECTS\DEVON\NRSC\248463 - Cotton Draw 20217 - Figures\GIS\Figure_4_CS.mxd



CONFIRMATION SAMPLING MAP
 CLOSURE REPORT
 DEVON ENERGY PRODUCTION COMPANY
 COTTON DRAW UNIT #202H
 EDDY COUNTY, NEW MEXICO

SCALE: AS SHOWN DATE: 05/01/2024 PROJECT #: 248463



New Tech Global Environmental, LLC
 911 Regional Park Drive
 Houston, Texas 77060
 T - 281.872.9300
 F - 281.872.4521
 Web: www.ntgenviroinmental.com

NOTES:

1. Base Image: ESRI Maps & Data 2017
2. Map Projection: NAD 1983

DRAWING NUMBER:

FIGURE 4

SHEET NUMBER:

1 of 1

SITE CHARACTERIZATION INFORMATION

NMOCD Closure Criteria

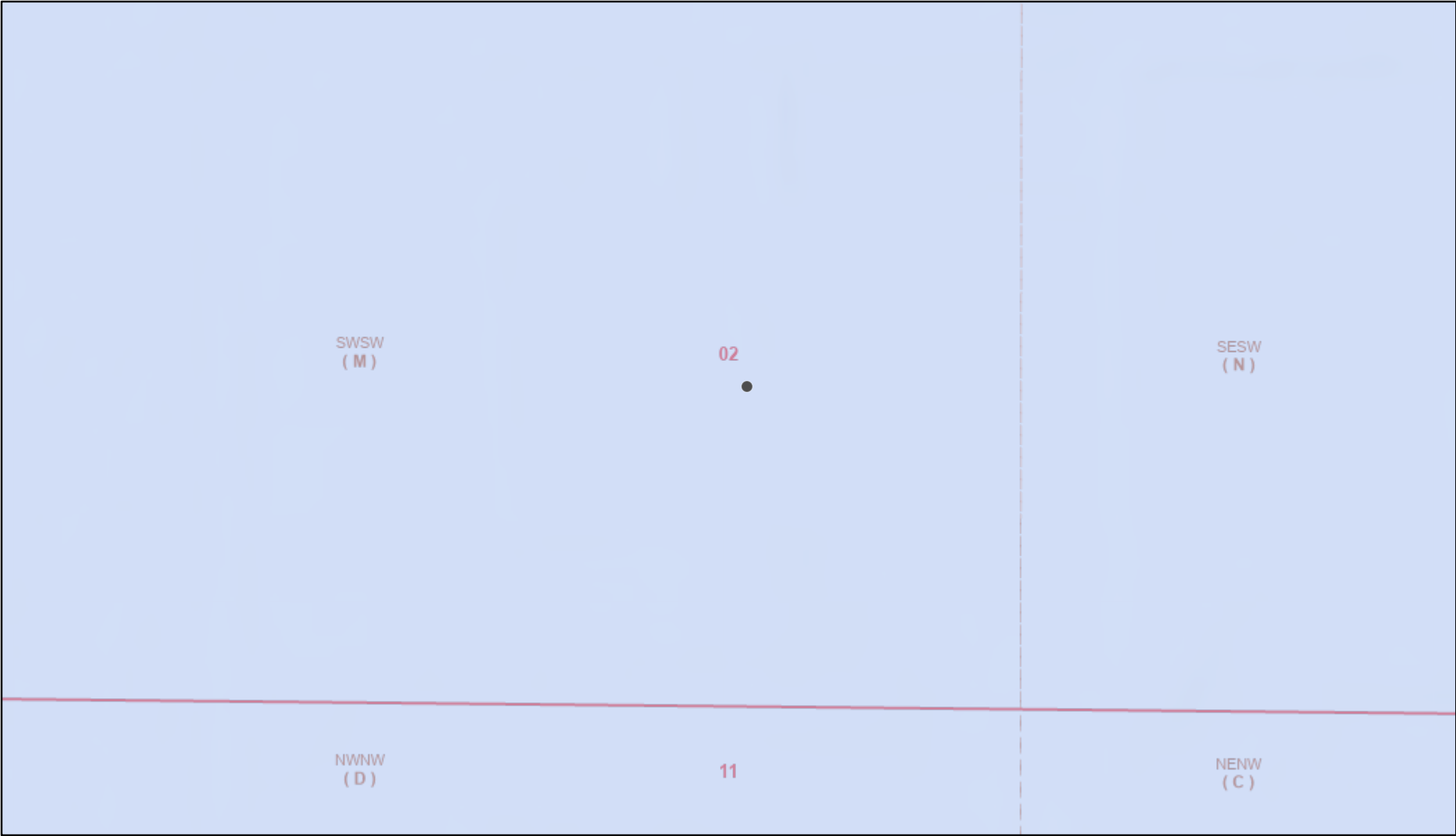
COTTON DRAW #202H

Site Information (19.15.29.11.A (2,3, & 4) NMAC)		Source/Notes
Depth to Groundwater (ft bgs)	55 ft	Office of the State Engineer (OSE)
Horizontal Distance from All Water Sources Within 0.5 mile (ft)	1,200	National Wetlands Inventory (NWS)
Horizontal Distance to Nearest Significant Watercourse (ft)	1,200	National Wetlands Inventory (NWS)

Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC)						
Depth to Groundwater (ft)		Closure Criteria (mg/kg)				
		Chloride*	TPH	GRO + DRO	BTEX	Benzene
< 50		600	100	--	50	10
51 - 100	X	10,000	2,500	1,000	50	10
>100		20,000	2,500	1,000	50	10
Surface Water	Yes/No	in yes, then				
<300 ft from a continuously flowing watercourse or other significant watercourse?	No	600	100		50	10
<200 ft from a lakebed, sinkhole, or playa lake?	No					
Water Well or Water Source						
<500 ft from a spring or a private, domestic fresh waster well used by less that 5 households for domestic or livestock purposes?	No					
<1,000 ft from a fresh water well or spring?	No					
Human and Other Area						
<300 ft from an occupied permanent residence, school, hospital, institution or church?	No					
Within incorporated municipal boundaries or within a defined municipal fresh water well field?	No					
<100 ft from a wetland?	No					
Within an area overlying a subsurface mine?	No					
Within and unstable area?	No					
Within a 100 yr floodplain?	No					

* - numerical limit or background, whichever is greater

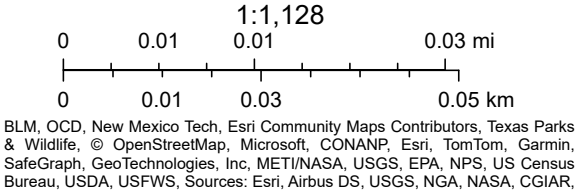
Site Characterization Map



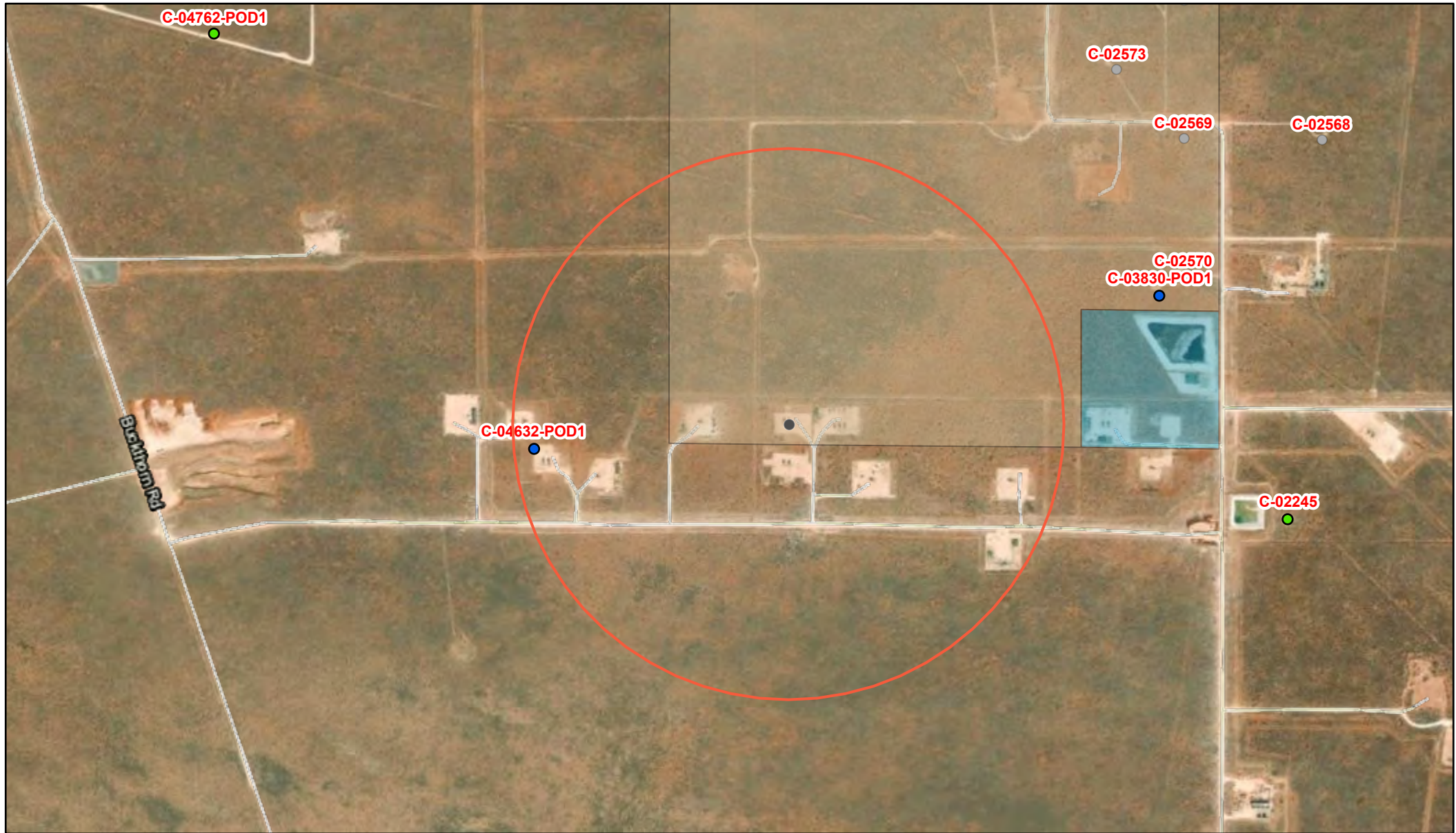
2/29/2024, 4:00:38 PM

Karst Occurrence Potential

 Low	 PLSS Second Division
	 PLSS First Division



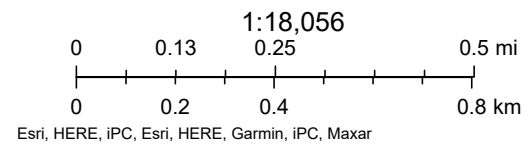
OSE POD Location Map



2/29/2024, 3:50:04 PM

- Override 1
 - Pending
 - Active
 - OSE District Boundary
- GIS WATERS PODs

- Water Right Regulations
- Artesian Planning Area
- New Mexico State Trust Lands
- Subsurface Estate
- Both Estates





WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1 (TW-1)		WELL TAG ID NO. N/A		OSE FILE NO(S). C-4632			
	WELL OWNER NAME(S) Devon Energy				PHONE (OPTIONAL) 575-748-1838			
	WELL OWNER MAILING ADDRESS 6488 7 Rivers Hwy				CITY Artesia	STATE NM	ZIP 88210	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 9	SECONDS 7.47 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND			
		LONGITUDE 103	45	41.06 W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NW NE NE Sec.10 T2S5 R31S NMPM								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 6/8/2022	DRILLING ENDED 6/8/2022	DEPTH OF COMPLETED WELL (FT) Temporary Well		BORE HOLE DEPTH (FT) ±55	DEPTH WATER FIRST ENCOUNTERED (FT) N/A		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 6/14/2022		
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	0 55		±6.5	Boring-HSA	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL		AMOUNT (cubic feet)	METHOD OF PLACEMENT	

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. C-4632	POD NO. 1	TRN NO. 726269
LOCATION 25S.31E.10 122	WELL TAG ID NO. —	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	4	4	Sand, Fine-grained, poorly graded, unconsolidated 7.5 YR 5/4, Brown	Y ✓ N	
	4	23	19	Sand, Fine-grained, poorly graded, with Caliche, 7.5 YR 7/6, Reddish Yellow	Y ✓ N	
	23	47	24	Sand, Fine-grained, poorly graded, 7.5 YR 7/6, Reddish Yellow	Y ✓ N	
	47	55	8	Sand, Fine-grained, poorly graded, 5 YR 7/6, Reddish Yellow	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
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					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED	
<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY:					WELL YIELD (gpm): 0.00	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. 20 Cotton Draw Unit 134H <div style="text-align: right; color: blue;">OSE DJJ JUN 16 2022 PM3:12</div>	
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt		

6. SIGNATURE	SIGNATURE OF DRILLER / PRINT SIGNEE NAME	DATE
	<div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;"> Jackie D. Atkins </div> <div style="text-align: right;"> 6/16/2022 </div> </div>	

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 01/28/2022)	
FILE NO. C-4632	POD NO. 1	TRN NO. 726269	
LOCATION 255.31E-10 122	WELL TAG ID NO. -	PAGE 2 OF 2	

Mike A. Hamman, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 726269
File Nbr: C 04632
Well File Nbr: C 04632 POD1

Jun. 24, 2022

DALE WOODALL
DEVON ENERGY
6488 7 RIVERS HWY
ARTESIA, NM 88210

Greetings:

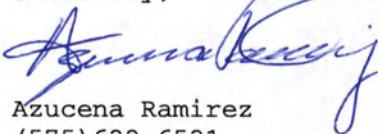
The above numbered permit was issued in your name on 05/24/2022.

The Well Record was received in this office on 06/16/2022, stating that it had been completed on 06/08/2022, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 05/24/2023.

If you have any questions, please feel free to contact us.

Sincerely,





Azucena Ramirez
(575) 622-6521

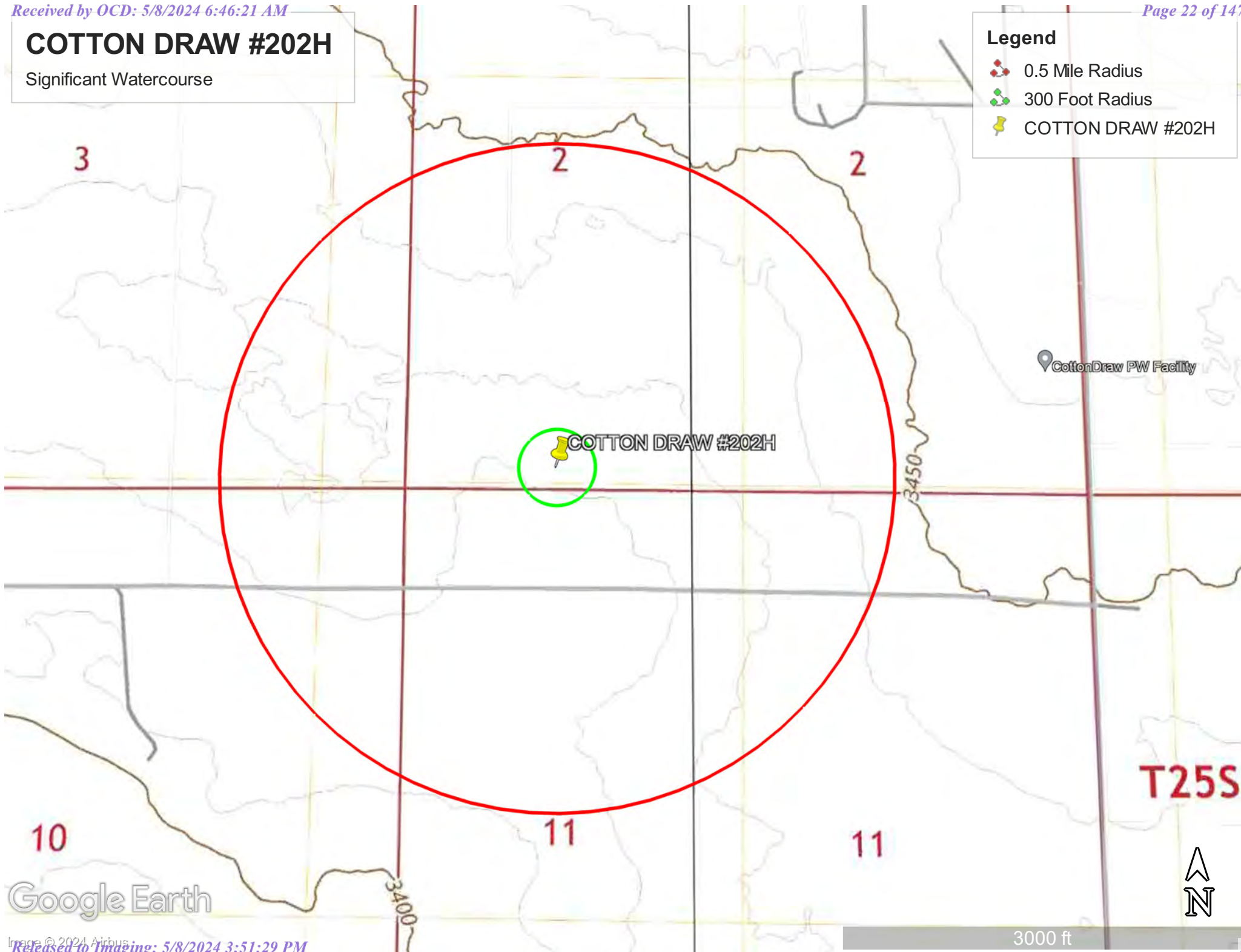
drywell

COTTON DRAW #202H

Significant Watercourse

Legend

-  0.5 Mile Radius
-  300 Foot Radius
-  COTTON DRAW #202H



National Flood Hazard Layer FIRMette



103°45'31"W 32°9'25"N



Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		Cross Sections with 1% Annual Chance Water Surface Elevation
		Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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

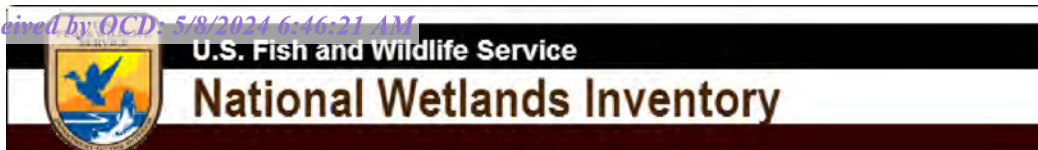
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/29/2024 at 4:46 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by 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.

0 250 500 1,000 1,500 2,000 Feet

1:6,000

103°44'54"W 32°8'55"N



COTTON DRAW #202H Wetlands Map



February 29, 2024

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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

PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG
Devon Energy Production Company
Cotton Draw Unit #202H

Photograph No. 1

Facility: Cotton Draw Unit #202H

County: Eddy County, New Mexico

Description:
Area of Concern

**Photograph No. 2**

Facility: Cotton Draw Unit #202H

County: Eddy County, New Mexico

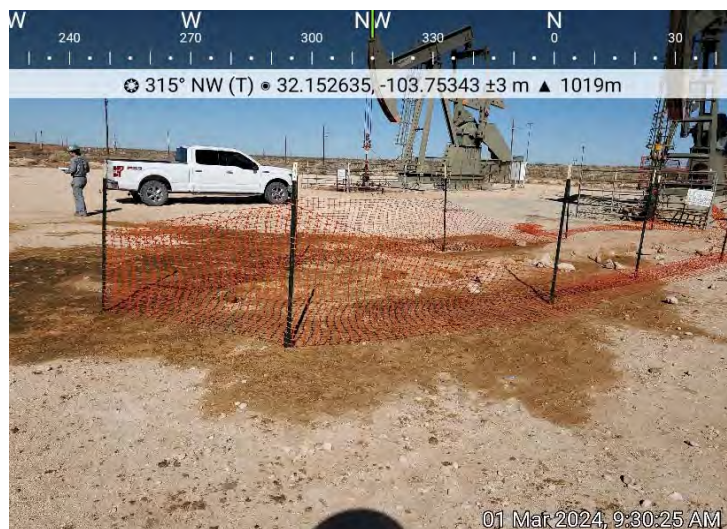
Description:
Area of Concern

**Photograph No. 3**

Facility: Cotton Draw Unit #202H

County: Eddy County, New Mexico

Description:
Area of Concern



PHOTOGRAPHIC LOG
Devon Energy Production Company
Cotton Draw Unit #202H

Photograph No. 4

Facility: Cotton Draw Unit #202H

County: Eddy County, New Mexico

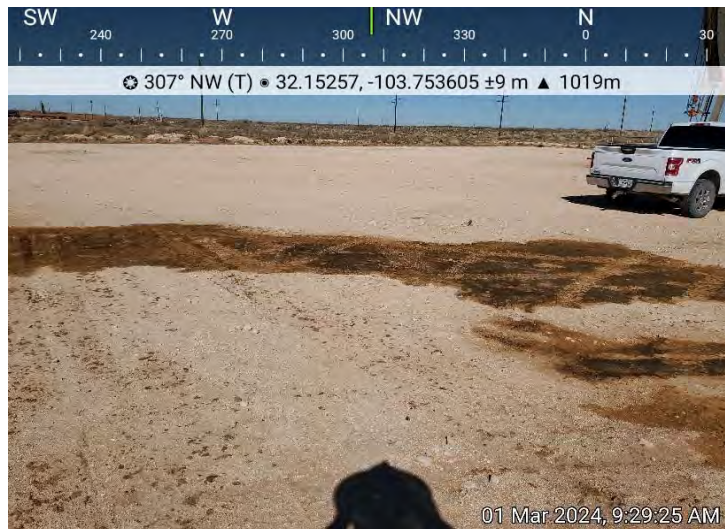
Description:
Area of Concern

**Photograph No. 5**

Facility: Cotton Draw Unit #202H

County: Eddy County, New Mexico

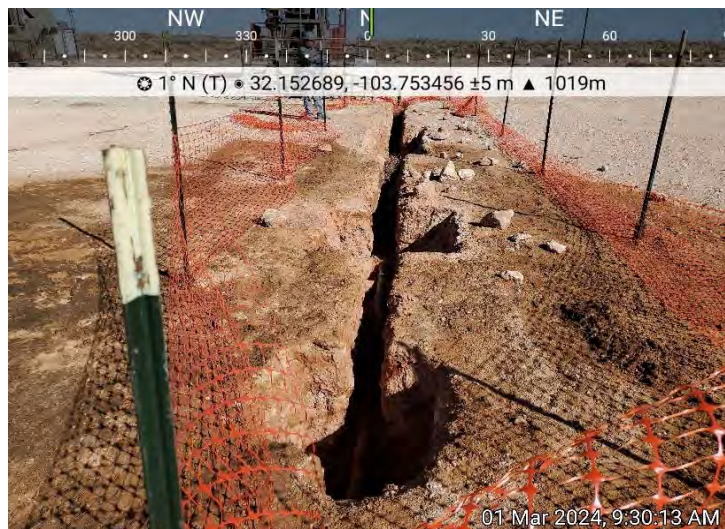
Description:
Area of Concern

**Photograph No. 6**

Facility: Cotton Draw Unit #202H

County: Eddy County, New Mexico

Description:
Area of Concern



PHOTOGRAPHIC LOG
Devon Energy Production Company
Cotton Draw Unit #202H

Photograph No. 7

Facility: Cotton Draw Unit #202H

County: Eddy County, New Mexico

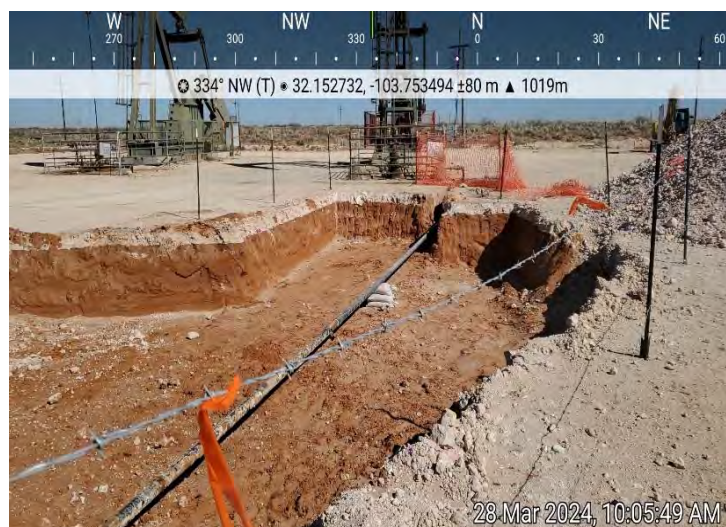
Description:
View of Excavation.

**Photograph No. 8**

Facility: Cotton Draw Unit #202H

County: Eddy County, New Mexico

Description:
View of Excavation.

**Photograph No. 9**

Facility: Cotton Draw Unit #202H

County: Eddy County, New Mexico

Description:
View of Excavation.



PHOTOGRAPHIC LOG
Devon Energy Production Company
Cotton Draw Unit #202H

Photograph No. 10

Facility: Cotton Draw Unit #202H

County: Eddy County, New Mexico

Description:
View of Excavation.

**Photograph No. 11**

Facility: Cotton Draw Unit #202H

County: Eddy County, New Mexico

Description:
View of Excavation.

**Photograph No. 12**

Facility: Cotton Draw Unit #202H

County: Eddy County, New Mexico

Description:
View of Excavation.



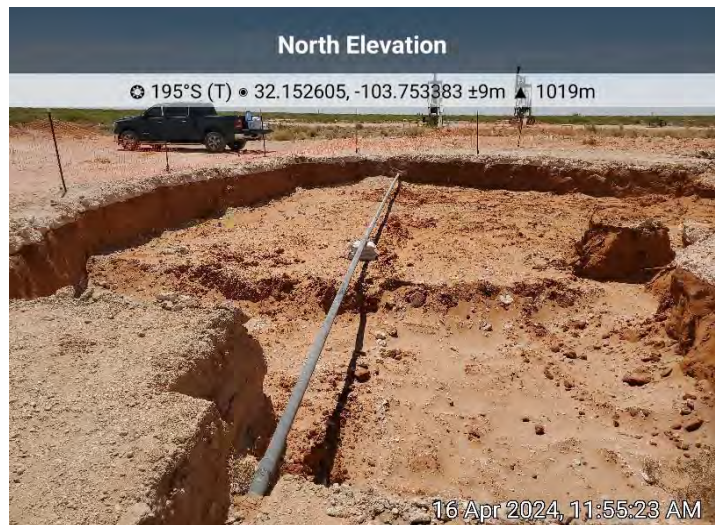
PHOTOGRAPHIC LOG
Devon Energy Production Company
Cotton Draw Unit #202H

Photograph No. 13

Facility: Cotton Draw Unit #202H

County: Eddy County, New Mexico

Description:
View of Excavation.

**Photograph No. 14**

Facility: Cotton Draw Unit #202H

County: Eddy County, New Mexico

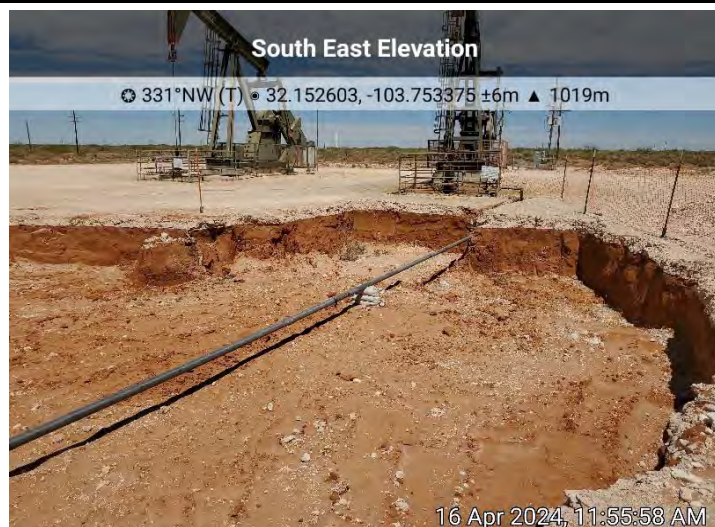
Description:
View of Excavation.

**Photograph No. 15**

Facility: Cotton Draw Unit #202H

County: Eddy County, New Mexico

Description:
View of Excavation.



PHOTOGRAPHIC LOG
Devon Energy Production Company
Cotton Draw Unit #202H

Photograph No. 16

Facility: Cotton Draw Unit #202H

County: Eddy County, New Mexico

Description:
View of Excavation.

**Photograph No. 17**

Facility: Cotton Draw Unit #202H

County: Eddy County, New Mexico

Description:
View of Excavation.

**Photograph No. 18**

Facility: Cotton Draw Unit #202H

County: Eddy County, New Mexico

Description:
View of Excavation.



LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS



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

March 06, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: COTTON DRAW UNIT # 202 H

Enclosed are the results of analyses for samples received by the laboratory on 03/01/24 12:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/01/2024
 Reported: 03/06/2024
 Project Name: COTTON DRAW UNIT # 202 H
 Project Number: 248463
 Project Location: DEVON ENERGY - EDDY CO, NM

Sampling Date: 03/01/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 1 0-0.5 (H241035-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	19.7	2.00	03/04/2024	ND	1.88	93.8	2.00	2.92	
Toluene*	92.8	2.00	03/04/2024	ND	1.99	99.4	2.00	2.33	
Ethylbenzene*	26.8	2.00	03/04/2024	ND	1.97	98.3	2.00	1.87	
Total Xylenes*	177	6.00	03/04/2024	ND	5.99	99.9	6.00	2.15	
Total BTX	316	12.0	03/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 131 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	03/05/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	4350	100	03/05/2024	ND	200	100	200	7.45		
DRO >C10-C28*	16200	100	03/05/2024	ND	212	106	200	0.457		
EXT DRO >C28-C36	3080	100	03/05/2024	ND						

Surrogate: 1-Chlorooctane 409 % 48.2-134

Surrogate: 1-Chlorooctadecane 330 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
ETHAN SESSUMS
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received: 03/01/2024
Reported: 03/06/2024
Project Name: COTTON DRAW UNIT # 202 H
Project Number: 248463
Project Location: DEVON ENERGY - EDDY CO, NM

Sampling Date: 03/01/2024
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Dionica Hinojos

Sample ID: V - 1 1-1.5 (H241035-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	11.4	0.500	03/04/2024	ND	1.88	93.8	2.00	2.92	
Toluene*	60.6	0.500	03/04/2024	ND	1.99	99.4	2.00	2.33	
Ethylbenzene*	12.9	0.500	03/04/2024	ND	1.97	98.3	2.00	1.87	
Total Xylenes*	95.5	1.50	03/04/2024	ND	5.99	99.9	6.00	2.15	
Total BTEX	180	3.00	03/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	03/05/2024	ND	416	104	400	7.41	
TPH 8015M		mg/kg		Analyzed By: MS					
				S-04					

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2740	10.0	03/04/2024	ND	200	100	200	7.45	
DRO >C10-C28*	5600	10.0	03/04/2024	ND	212	106	200	0.457	
EXT DRO >C28-C36	1030	10.0	03/04/2024	ND					

Surrogate: 1-Chlorooctane 214 % 48.2-134

Surrogate: 1-Chlorooctadecane 168 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/01/2024
 Reported: 03/06/2024
 Project Name: COTTON DRAW UNIT # 202 H
 Project Number: 248463
 Project Location: DEVON ENERGY - EDDY CO, NM

Sampling Date: 03/01/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 1 2-2.5 (H241035-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.22	0.100	03/05/2024	ND	1.88	93.8	2.00	2.92	
Toluene*	13.8	0.100	03/05/2024	ND	1.99	99.4	2.00	2.33	
Ethylbenzene*	3.36	0.100	03/05/2024	ND	1.97	98.3	2.00	1.87	
Total Xylenes*	25.9	0.300	03/05/2024	ND	5.99	99.9	6.00	2.15	
Total BTEX	45.3	0.600	03/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	03/05/2024	ND	416	104	400	7.41	
TPH 8015M	mg/kg		Analyzed By: MS						S-04

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1650	10.0	03/04/2024	ND	200	100	200	7.45	
DRO >C10-C28*	4440	10.0	03/04/2024	ND	212	106	200	0.457	
EXT DRO >C28-C36	829	10.0	03/04/2024	ND					

Surrogate: 1-Chlorooctane 187 % 48.2-134

Surrogate: 1-Chlorooctadecane 155 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/01/2024
 Reported: 03/06/2024
 Project Name: COTTON DRAW UNIT # 202 H
 Project Number: 248463
 Project Location: DEVON ENERGY - EDDY CO, NM

Sampling Date: 03/01/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 1 3-3.5 (H241035-04)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.51	0.100	03/05/2024	ND	1.88	93.8	2.00	2.92	
Toluene*	12.6	0.100	03/05/2024	ND	1.99	99.4	2.00	2.33	
Ethylbenzene*	3.41	0.100	03/05/2024	ND	1.97	98.3	2.00	1.87	
Total Xylenes*	26.7	0.300	03/05/2024	ND	5.99	99.9	6.00	2.15	
Total BTEX	44.2	0.600	03/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 133 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	03/05/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	460	10.0	03/04/2024	ND	200	100	200	7.45		
DRO >C10-C28*	1560	10.0	03/04/2024	ND	212	106	200	0.457		
EXT DRO >C28-C36	308	10.0	03/04/2024	ND						

Surrogate: 1-Chlorooctane 131 % 48.2-134

Surrogate: 1-Chlorooctadecane 147 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/01/2024
 Reported: 03/06/2024
 Project Name: COTTON DRAW UNIT # 202 H
 Project Number: 248463
 Project Location: DEVON ENERGY - EDDY CO, NM

Sampling Date: 03/01/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 1 4-4.5 (H241035-05)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.503	0.050	03/05/2024	ND	1.88	93.8	2.00	2.92	
Toluene*	2.93	0.050	03/05/2024	ND	1.99	99.4	2.00	2.33	
Ethylbenzene*	0.737	0.050	03/05/2024	ND	1.97	98.3	2.00	1.87	
Total Xylenes*	5.72	0.150	03/05/2024	ND	5.99	99.9	6.00	2.15	
Total BTEX	9.90	0.300	03/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500Cl-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	03/05/2024	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	36.7	10.0	03/04/2024	ND	200	100	200	7.45	
DRO >C10-C28*	159	10.0	03/04/2024	ND	212	106	200	0.457	
EXT DRO >C28-C36	34.8	10.0	03/04/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/01/2024
 Reported: 03/06/2024
 Project Name: COTTON DRAW UNIT # 202 H
 Project Number: 248463
 Project Location: DEVON ENERGY - EDDY CO, NM

Sampling Date: 03/01/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 2 0-0.5 (H241035-06)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	2.05	0.500	03/04/2024	ND	1.88	93.8	2.00	2.92	
Toluene*	26.6	0.500	03/04/2024	ND	1.99	99.4	2.00	2.33	
Ethylbenzene*	8.29	0.500	03/04/2024	ND	1.97	98.3	2.00	1.87	
Total Xylenes*	66.2	1.50	03/04/2024	ND	5.99	99.9	6.00	2.15	
Total BTEX	103	3.00	03/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 130 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10900	16.0	03/05/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	1350	10.0	03/04/2024	ND	200	100	200	7.45		
DRO >C10-C28*	7610	10.0	03/04/2024	ND	212	106	200	0.457		
EXT DRO >C28-C36	1490	10.0	03/04/2024	ND						

Surrogate: 1-Chlorooctane 199 % 48.2-134

Surrogate: 1-Chlorooctadecane 171 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/01/2024
 Reported: 03/06/2024
 Project Name: COTTON DRAW UNIT # 202 H
 Project Number: 248463
 Project Location: DEVON ENERGY - EDDY CO, NM

Sampling Date: 03/01/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 2 1-1.5 (H241035-07)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.812	0.100	03/05/2024	ND	1.88	93.8	2.00	2.92	
Toluene*	13.2	0.100	03/05/2024	ND	1.99	99.4	2.00	2.33	
Ethylbenzene*	4.03	0.100	03/05/2024	ND	1.97	98.3	2.00	1.87	
Total Xylenes*	32.8	0.300	03/05/2024	ND	5.99	99.9	6.00	2.15	
Total BTEX	50.9	0.600	03/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 144 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1330	16.0	03/05/2024	ND	448	112	400	0.00	QM-07

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	437	10.0	03/04/2024	ND	200	100	200	7.45	
DRO >C10-C28*	1340	10.0	03/04/2024	ND	212	106	200	0.457	
EXT DRO >C28-C36	264	10.0	03/04/2024	ND					

Surrogate: 1-Chlorooctane 152 % 48.2-134

Surrogate: 1-Chlorooctadecane 204 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/01/2024
 Reported: 03/06/2024
 Project Name: COTTON DRAW UNIT # 202 H
 Project Number: 248463
 Project Location: DEVON ENERGY - EDDY CO, NM

Sampling Date: 03/01/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 2 2-2.5 (H241035-08)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.127	0.050	03/05/2024	ND	1.88	93.8	2.00	2.92	
Toluene*	0.965	0.050	03/05/2024	ND	1.99	99.4	2.00	2.33	
Ethylbenzene*	0.447	0.050	03/05/2024	ND	1.97	98.3	2.00	1.87	
Total Xylenes*	3.87	0.150	03/05/2024	ND	5.99	99.9	6.00	2.15	
Total BTEX	5.41	0.300	03/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 133 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	03/05/2024	ND	448	112	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*	16.2	10.0	03/04/2024	ND	200	100	200	7.45	
DRO >C10-C28*	111	10.0	03/04/2024	ND	212	106	200	0.457	
EXT DRO >C28-C36	19.3	10.0	03/04/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/01/2024
 Reported: 03/06/2024
 Project Name: COTTON DRAW UNIT # 202 H
 Project Number: 248463
 Project Location: DEVON ENERGY - EDDY CO, NM

Sampling Date: 03/01/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 2 3-3.5 (H241035-09)

BTX 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2024	ND	1.88	93.8	2.00	2.92	
Toluene*	0.141	0.050	03/05/2024	ND	1.99	99.4	2.00	2.33	
Ethylbenzene*	0.126	0.050	03/05/2024	ND	1.97	98.3	2.00	1.87	
Total Xylenes*	1.07	0.150	03/05/2024	ND	5.99	99.9	6.00	2.15	
Total BTX	1.33	0.300	03/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 135 % 71.5-134

Chloride, SM4500CI-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	03/05/2024	ND	448	112	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*	12.7	10.0	03/04/2024	ND	211	105	200	10.5	
DRO >C10-C28*	118	10.0	03/04/2024	ND	199	99.5	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	03/04/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/01/2024
 Reported: 03/06/2024
 Project Name: COTTON DRAW UNIT # 202 H
 Project Number: 248463
 Project Location: DEVON ENERGY - EDDY CO, NM

Sampling Date: 03/01/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 2 4-4.5 (H241035-10)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.061	0.050	03/05/2024	ND	1.88	93.8	2.00	2.92	
Toluene*	2.41	0.050	03/05/2024	ND	1.99	99.4	2.00	2.33	
Ethylbenzene*	1.21	0.050	03/05/2024	ND	1.97	98.3	2.00	1.87	
Total Xylenes*	10.1	0.150	03/05/2024	ND	5.99	99.9	6.00	2.15	
Total BTEX	13.8	0.300	03/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 141 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	03/05/2024	ND	448	112	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*	28.4	10.0	03/04/2024	ND	211	105	200	10.5	
DRO >C10-C28*	135	10.0	03/04/2024	ND	199	99.5	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	03/04/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
ETHAN SESSUMS
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706
Fax To:

Received:03/01/2024
Reported:03/06/2024
Project Name:COTTON DRAW UNIT # 202 H
Project Number:248463
Project Location:DEVON ENERGY - EDDY CO, NM

Sampling Date:03/01/2024
Sampling Type:Soil
Sampling Condition:Cool & Intact
Sample Received By:Dionica Hinojos

Sample ID: V - 3 0-0.5 (H241035-11)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.17	0.500	03/04/2024	ND	1.88	93.8	2.00	2.92	
Toluene*	7.45	0.500	03/04/2024	ND	1.99	99.4	2.00	2.33	
Ethylbenzene*	2.99	0.500	03/04/2024	ND	1.97	98.3	2.00	1.87	
Total Xylenes*	27.4	1.50	03/04/2024	ND	5.99	99.9	6.00	2.15	
Total BTEX	39.0	3.00	03/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7520	16.0	03/05/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1270	100	03/05/2024	ND	211	105	200	10.5	
DRO >C10-C28*	13900	100	03/05/2024	ND	199	99.5	200	4.87	
EXT DRO >C28-C36	2570	100	03/05/2024	ND					

Surrogate: 1-Chlorooctane 337 % 48.2-134

Surrogate: 1-Chlorooctadecane 282 % 49.1-148

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/01/2024
 Reported: 03/06/2024
 Project Name: COTTON DRAW UNIT # 202 H
 Project Number: 248463
 Project Location: DEVON ENERGY - EDDY CO, NM

Sampling Date: 03/01/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 3 1-1.5 (H241035-12)

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	03/05/2024	ND	1.88	93.8	2.00	2.92		
Toluene*	0.416	0.050	03/05/2024	ND	1.99	99.4	2.00	2.33		
Ethylbenzene*	0.126	0.050	03/05/2024	ND	1.97	98.3	2.00	1.87		
Total Xylenes*	1.04	0.150	03/05/2024	ND	5.99	99.9	6.00	2.15		
Total BTEx	1.58	0.300	03/05/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/05/2024	ND	448	112	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*	17.3	10.0	03/04/2024	ND	211	105	200	10.5	
DRO >C10-C28*	98.4	10.0	03/04/2024	ND	199	99.5	200	4.87	
EXT DRO >C28-C36	20.3	10.0	03/04/2024	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/01/2024
 Reported: 03/06/2024
 Project Name: COTTON DRAW UNIT # 202 H
 Project Number: 248463
 Project Location: DEVON ENERGY - EDDY CO, NM

Sampling Date: 03/01/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 3 2-2.5 (H241035-13)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.055	0.050	03/05/2024	ND	1.88	93.8	2.00	2.92	
Toluene*	0.193	0.050	03/05/2024	ND	1.99	99.4	2.00	2.33	
Ethylbenzene*	<0.050	0.050	03/05/2024	ND	1.97	98.3	2.00	1.87	
Total Xylenes*	0.300	0.150	03/05/2024	ND	5.99	99.9	6.00	2.15	
Total BTEX	0.549	0.300	03/05/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/05/2024	ND	448	112	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	03/04/2024	ND	211	105	200	10.5	
DRO >C10-C28*	<10.0	10.0	03/04/2024	ND	199	99.5	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	03/04/2024	ND					

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/01/2024
 Reported: 03/06/2024
 Project Name: COTTON DRAW UNIT # 202 H
 Project Number: 248463
 Project Location: DEVON ENERGY - EDDY CO, NM

Sampling Date: 03/01/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 3 3-3.5 (H241035-14)

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	03/04/2024	ND	1.88	93.8	2.00	2.92		
Toluene*	<0.050	0.050	03/04/2024	ND	1.99	99.4	2.00	2.33		
Ethylbenzene*	<0.050	0.050	03/04/2024	ND	1.97	98.3	2.00	1.87		
Total Xylenes*	<0.150	0.150	03/04/2024	ND	5.99	99.9	6.00	2.15		
Total BTEX	<0.300	0.300	03/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/05/2024	ND	448	112	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	03/04/2024	ND	211	105	200	10.5	
DRO >C10-C28*	<10.0	10.0	03/04/2024	ND	199	99.5	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	03/04/2024	ND					

Surrogate: 1-Chlorooctane 129 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/01/2024
 Reported: 03/06/2024
 Project Name: COTTON DRAW UNIT # 202 H
 Project Number: 248463
 Project Location: DEVON ENERGY - EDDY CO, NM

Sampling Date: 03/01/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 3 4-4.5 (H241035-15)

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	03/04/2024	ND	1.88	93.8	2.00	2.92	
Toluene*	0.061	0.050	03/04/2024	ND	1.99	99.4	2.00	2.33	
Ethylbenzene*	<0.050	0.050	03/04/2024	ND	1.97	98.3	2.00	1.87	
Total Xylenes*	<0.150	0.150	03/04/2024	ND	5.99	99.9	6.00	2.15	
Total BTEX	<0.300	0.300	03/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/05/2024	ND	448	112	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	03/04/2024	ND	211	105	200	10.5	
DRO >C10-C28*	<10.0	10.0	03/04/2024	ND	199	99.5	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	03/04/2024	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/01/2024
 Reported: 03/06/2024
 Project Name: COTTON DRAW UNIT # 202 H
 Project Number: 248463
 Project Location: DEVON ENERGY - EDDY CO, NM

Sampling Date: 03/01/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 4 0-0.5 (H241035-16)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	5.86	0.500	03/04/2024	ND	1.88	93.8	2.00	2.92	
Toluene*	31.9	0.500	03/04/2024	ND	1.99	99.4	2.00	2.33	
Ethylbenzene*	9.32	0.500	03/04/2024	ND	1.97	98.3	2.00	1.87	
Total Xylenes*	75.8	1.50	03/04/2024	ND	5.99	99.9	6.00	2.15	
Total BTEX	123	3.00	03/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 128 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1120	16.0	03/05/2024	ND	448	112	400	0.00		

TPH 8015M	mg/kg		Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2730	100	03/05/2024	ND	211	105	200	10.5	
DRO >C10-C28*	42600	100	03/05/2024	ND	199	99.5	200	4.87	
EXT DRO >C28-C36	9600	100	03/05/2024	ND					

Surrogate: 1-Chlorooctane 679 % 48.2-134

Surrogate: 1-Chlorooctadecane 898 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/01/2024
 Reported: 03/06/2024
 Project Name: COTTON DRAW UNIT # 202 H
 Project Number: 248463
 Project Location: DEVON ENERGY - EDDY CO, NM

Sampling Date: 03/01/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 4 1-1.5 (H241035-17)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.075	0.050	03/04/2024	ND	1.88	93.8	2.00	2.92	
Toluene*	0.638	0.050	03/04/2024	ND	1.99	99.4	2.00	2.33	
Ethylbenzene*	0.135	0.050	03/04/2024	ND	1.97	98.3	2.00	1.87	
Total Xylenes*	0.900	0.150	03/04/2024	ND	5.99	99.9	6.00	2.15	
Total BTEX	1.75	0.300	03/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	03/05/2024	ND	448	112	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*	17.3	10.0	03/04/2024	ND	211	105	200	10.5	
DRO >C10-C28*	23.1	10.0	03/04/2024	ND	199	99.5	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	03/04/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/01/2024
 Reported: 03/06/2024
 Project Name: COTTON DRAW UNIT # 202 H
 Project Number: 248463
 Project Location: DEVON ENERGY - EDDY CO, NM

Sampling Date: 03/01/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 4 2-2.5 (H241035-18)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.275	0.050	03/04/2024	ND	2.22	111	2.00	0.423	
Toluene*	1.49	0.050	03/04/2024	ND	2.27	113	2.00	2.47	
Ethylbenzene*	0.266	0.050	03/04/2024	ND	2.41	121	2.00	4.85	
Total Xylenes*	1.86	0.150	03/04/2024	ND	7.15	119	6.00	4.89	
Total BTEX	3.88	0.300	03/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/05/2024	ND	448	112	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*	10.1	10.0	03/04/2024	ND	211	105	200	10.5	
DRO >C10-C28*	16.9	10.0	03/04/2024	ND	199	99.5	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	03/04/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/01/2024
 Reported: 03/06/2024
 Project Name: COTTON DRAW UNIT # 202 H
 Project Number: 248463
 Project Location: DEVON ENERGY - EDDY CO, NM

Sampling Date: 03/01/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 4 3-3.5 (H241035-19)

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	03/04/2024	ND	2.22	111	2.00	0.423	
Toluene*	<0.050	0.050	03/04/2024	ND	2.27	113	2.00	2.47	
Ethylbenzene*	<0.050	0.050	03/04/2024	ND	2.41	121	2.00	4.85	
Total Xylenes*	<0.150	0.150	03/04/2024	ND	7.15	119	6.00	4.89	
Total BTEX	<0.300	0.300	03/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/05/2024	ND	448	112	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	03/04/2024	ND	211	105	200	10.5	
DRO >C10-C28*	<10.0	10.0	03/04/2024	ND	199	99.5	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	03/04/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/01/2024
 Reported: 03/06/2024
 Project Name: COTTON DRAW UNIT # 202 H
 Project Number: 248463
 Project Location: DEVON ENERGY - EDDY CO, NM

Sampling Date: 03/01/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: V - 4 4-4.5 (H241035-20)

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	03/04/2024	ND	2.22	111	2.00	0.423		
Toluene*	0.120	0.050	03/04/2024	ND	2.27	113	2.00	2.47		
Ethylbenzene*	<0.050	0.050	03/04/2024	ND	2.41	121	2.00	4.85		
Total Xylenes*	0.337	0.150	03/04/2024	ND	7.15	119	6.00	4.89		
Total BTEX	0.457	0.300	03/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/05/2024	ND	448	112	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	03/04/2024	ND	211	105	200	10.5	
DRO >C10-C28*	19.5	10.0	03/04/2024	ND	199	99.5	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	03/04/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/01/2024
 Reported: 03/06/2024
 Project Name: COTTON DRAW UNIT # 202 H
 Project Number: 248463
 Project Location: DEVON ENERGY - EDDY CO, NM

Sampling Date: 03/01/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: H - 1 0-0.5 (H241035-21)

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	03/04/2024	ND	2.22	111	2.00	0.423		
Toluene*	<0.050	0.050	03/04/2024	ND	2.27	113	2.00	2.47		
Ethylbenzene*	<0.050	0.050	03/04/2024	ND	2.41	121	2.00	4.85		
Total Xylenes*	<0.150	0.150	03/04/2024	ND	7.15	119	6.00	4.89		
Total BTEx	<0.300	0.300	03/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	03/05/2024	ND	448	112	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	03/04/2024	ND	211	105	200	10.5	
DRO >C10-C28*	32.4	10.0	03/04/2024	ND	199	99.5	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	03/04/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/01/2024
 Reported: 03/06/2024
 Project Name: COTTON DRAW UNIT # 202 H
 Project Number: 248463
 Project Location: DEVON ENERGY - EDDY CO, NM

Sampling Date: 03/01/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: H - 2 0-0.5 (H241035-22)

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	03/04/2024	ND	2.22	111	2.00	0.423		
Toluene*	<0.050	0.050	03/04/2024	ND	2.27	113	2.00	2.47		
Ethylbenzene*	<0.050	0.050	03/04/2024	ND	2.41	121	2.00	4.85		
Total Xylenes*	<0.150	0.150	03/04/2024	ND	7.15	119	6.00	4.89		
Total BTEx	<0.300	0.300	03/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	03/05/2024	ND	448	112	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	03/04/2024	ND	211	105	200	10.5	
DRO >C10-C28*	101	10.0	03/04/2024	ND	199	99.5	200	4.87	
EXT DRO >C28-C36	30.2	10.0	03/04/2024	ND					

Surrogate: 1-Chlorooctane 94.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/01/2024
 Reported: 03/06/2024
 Project Name: COTTON DRAW UNIT # 202 H
 Project Number: 248463
 Project Location: DEVON ENERGY - EDDY CO, NM

Sampling Date: 03/01/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: H - 3 0-0.5 (H241035-23)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2024	ND	2.22	111	2.00	0.423	
Toluene*	<0.050	0.050	03/04/2024	ND	2.27	113	2.00	2.47	
Ethylbenzene*	<0.050	0.050	03/04/2024	ND	2.41	121	2.00	4.85	
Total Xylenes*	<0.150	0.150	03/04/2024	ND	7.15	119	6.00	4.89	
Total BTX	<0.300	0.300	03/04/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/05/2024	ND	448	112	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	03/04/2024	ND	211	105	200	10.5	
DRO >C10-C28*	<10.0	10.0	03/04/2024	ND	199	99.5	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	03/04/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/01/2024
 Reported: 03/06/2024
 Project Name: COTTON DRAW UNIT # 202 H
 Project Number: 248463
 Project Location: DEVON ENERGY - EDDY CO, NM

Sampling Date: 03/01/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: H - 4 0-0.5 (H241035-24)

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	03/04/2024	ND	2.22	111	2.00	0.423		
Toluene*	<0.050	0.050	03/04/2024	ND	2.27	113	2.00	2.47		
Ethylbenzene*	<0.050	0.050	03/04/2024	ND	2.41	121	2.00	4.85		
Total Xylenes*	<0.150	0.150	03/04/2024	ND	7.15	119	6.00	4.89		
Total BTEx	<0.300	0.300	03/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/05/2024	ND	448	112	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	03/04/2024	ND	211	105	200	10.5	
DRO >C10-C28*	<10.0	10.0	03/04/2024	ND	199	99.5	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	03/04/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/01/2024
 Reported: 03/06/2024
 Project Name: COTTON DRAW UNIT # 202 H
 Project Number: 248463
 Project Location: DEVON ENERGY - EDDY CO, NM

Sampling Date: 03/01/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: H - 5 0-0.5 (H241035-25)

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	03/04/2024	ND	2.22	111	2.00	0.423		
Toluene*	<0.050	0.050	03/04/2024	ND	2.27	113	2.00	2.47		
Ethylbenzene*	<0.050	0.050	03/04/2024	ND	2.41	121	2.00	4.85		
Total Xylenes*	<0.150	0.150	03/04/2024	ND	7.15	119	6.00	4.89		
Total BTEx	<0.300	0.300	03/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/05/2024	ND	448	112	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	03/04/2024	ND	211	105	200	10.5	
DRO >C10-C28*	16.7	10.0	03/04/2024	ND	199	99.5	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	03/04/2024	ND					

Surrogate: 1-Chlorooctane 85.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/01/2024
 Reported: 03/06/2024
 Project Name: COTTON DRAW UNIT # 202 H
 Project Number: 248463
 Project Location: DEVON ENERGY - EDDY CO, NM

Sampling Date: 03/01/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: H - 6 0-0.5 (H241035-26)

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	03/04/2024	ND	2.22	111	2.00	0.423		
Toluene*	<0.050	0.050	03/04/2024	ND	2.27	113	2.00	2.47		
Ethylbenzene*	<0.050	0.050	03/04/2024	ND	2.41	121	2.00	4.85		
Total Xylenes*	<0.150	0.150	03/04/2024	ND	7.15	119	6.00	4.89		
Total BTEx	<0.300	0.300	03/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/05/2024	ND	448	112	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	03/04/2024	ND	211	105	200	10.5	
DRO >C10-C28*	<10.0	10.0	03/04/2024	ND	199	99.5	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	03/04/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/01/2024
 Reported: 03/06/2024
 Project Name: COTTON DRAW UNIT # 202 H
 Project Number: 248463
 Project Location: DEVON ENERGY - EDDY CO, NM

Sampling Date: 03/01/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: H - 7 0-0.5 (H241035-27)

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	03/04/2024	ND	2.22	111	2.00	0.423		
Toluene*	<0.050	0.050	03/04/2024	ND	2.27	113	2.00	2.47		
Ethylbenzene*	<0.050	0.050	03/04/2024	ND	2.41	121	2.00	4.85		
Total Xylenes*	<0.150	0.150	03/04/2024	ND	7.15	119	6.00	4.89		
Total BTEx	<0.300	0.300	03/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

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	03/05/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/04/2024	ND	211	105	200	10.5	
DRO >C10-C28*	<10.0	10.0	03/04/2024	ND	199	99.5	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	03/04/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/01/2024
 Reported: 03/06/2024
 Project Name: COTTON DRAW UNIT # 202 H
 Project Number: 248463
 Project Location: DEVON ENERGY - EDDY CO, NM

Sampling Date: 03/01/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: H - 8 0-0.5 (H241035-28)

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	03/04/2024	ND	2.22	111	2.00	0.423		
Toluene*	<0.050	0.050	03/04/2024	ND	2.27	113	2.00	2.47		
Ethylbenzene*	<0.050	0.050	03/04/2024	ND	2.41	121	2.00	4.85		
Total Xylenes*	<0.150	0.150	03/04/2024	ND	7.15	119	6.00	4.89		
Total BTEx	<0.300	0.300	03/04/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

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	03/05/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/05/2024	ND	211	105	200	10.5	
DRO >C10-C28*	<10.0	10.0	03/05/2024	ND	199	99.5	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	03/05/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: MTGE Project Manager: Ethan Sessions Address: 809 W. McKay Street City: Garland State: NM Zip: 88220 Phone #: 254-266-5456 Fax #: Project #: 248463 Project Owner: Devon Project Name: Cotton Band Unit #2024 Project Location: Edly Co, NM Sampler Name: Learning Hun		BILL TO P.O. #: 21307209 Company: Devon Attn: Duke Woodall Address: City: State: Zip: Phone #: Fax #:		ANALYSIS REQUEST	
FOR LAB USE ONLY Lab I.D.: #3491035 Sample I.D.:		(G)RAB OR (C)OMP: # CONTAINERS: MATRIX: GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL: OTHER:		PRESERV: SAMPLING:	
V-1 0-0.5 1-1.5 2-2.5 3-3.5 4-4.5 0-0.5 1-1.5 2-2.5 3-3.5 4-4.5		5 1 1 1 1 1 1 1 1 1		3/1/24 TIME	
V-2 0-0.5 1-1.5 2-2.5 3-3.5 4-4.5		1 1 1 1 1 1 1 1 1		3/1/24 TIME	
V-3 0-0.5 1-1.5 2-2.5 3-3.5 4-4.5		1 1 1 1 1 1 1 1 1		3/1/24 TIME	
V-4 0-0.5 1-1.5 2-2.5 3-3.5 4-4.5		1 1 1 1 1 1 1 1 1		3/1/24 TIME	
V-5 0-0.5 1-1.5 2-2.5 3-3.5 4-4.5		1 1 1 1 1 1 1 1 1		3/1/24 TIME	
V-6 0-0.5 1-1.5 2-2.5 3-3.5 4-4.5		1 1 1 1 1 1 1 1 1		3/1/24 TIME	
V-7 0-0.5 1-1.5 2-2.5 3-3.5 4-4.5		1 1 1 1 1 1 1 1 1		3/1/24 TIME	
V-8 0-0.5 1-1.5 2-2.5 3-3.5 4-4.5		1 1 1 1 1 1 1 1 1		3/1/24 TIME	
V-9 0-0.5 1-1.5 2-2.5 3-3.5 4-4.5		1 1 1 1 1 1 1 1 1		3/1/24 TIME	
V-10 0-0.5 1-1.5 2-2.5 3-3.5 4-4.5		1 1 1 1 1 1 1 1 1		3/1/24 TIME	
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Relinquished By: [Signature] Date: 3/1/24 Time: 12:00 Received By: [Signature]		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Thermometer ID #140 Correction Factor 0°C		Standard Turnaround Bacteria (only) Sample Condition Cool Intact Yes Yes No No Corrected Temp. °C	
Relinquished By: [Signature] Date: 3/1/24 Time: 12:00 Received By: [Signature]		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Thermometer ID #140 Correction Factor 0°C		Standard Turnaround Bacteria (only) Sample Condition Cool Intact Yes Yes No No Corrected Temp. °C	



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: MTGE Project Manager: Ethan Seamus Address: 209 W. McKay Street City: Carlsbad State: NM Zip: 88220 Phone #: 254-266-5456 Fax #: Project #: 248463 Project Owner: Deun Project Name: Cohen Drive Unit # 202H Project Location: 1004 W. NM Sampler Name: Kenny Hur FOR LAB USE ONLY		BILL TO P.O. #: 21307704 Company: Deun Attn: Dale Woodall Address: City: State: Zip: Phone #: Fax #:		ANALYSIS REQUEST																	
Lab I.D. #1041035 11 12 13 14 15 16 17 18 19 20		Sample I.D. V-3 V-4 V-4.5 V-4.5 V-4.5 V-4.5 V-4.5 V-4.5 V-4.5 V-4.5		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :		MATRIX PRESERV SAMPLING		DATE TIME		BTEX TPH Chlordane											
Relinquished By: [Signature] Date: 3/1/24 Time: 12:00 Received By: [Signature]		Delivered By: (Circle One) Sampler - UPS - Bus - Other: Observed Temp. °C: 5.2°C Corrected Temp. °C: Sample Condition: Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No CHECKED BY: (Initials) [Signature]		Turnaround Time: Standard Rush <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush Bacteria (only) Sample Condition: Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C: Corrected Temp. °C:		REMARKS: Standard Turnaround All Results are emailed. Please provide Email address:															

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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: UTG-E Project Manager: Ethan Sessions Address: 209 W. McKay Street City: Carlsbad State: NM Zip: 88220 Phone #: 254-266-5456 Fax #: Project #: 248463 Project Owner: Devon Project Name: Cotton Drive Unit #202H Project Location: Eddy Co, NM Sampler Name: Larry Hun		BILL TO P.O. #: 21307709 Company: Devon Attn: Dale Woodall Address: City: State: Zip: Phone #: Fax #:		ANALYSIS REQUEST	
Lab I.D. H41035 Sample I.D.		FOR LAB USE ONLY		DATE 3/1/24 TIME	
H-1 H-2 H-3 H-4 H-5 H-6 H-7 H-8		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:		MATRIX PRESERV. SAMPLING	
0-0.5 5-1 3/1/24		BTEx TPH Chlonde			
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Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C 15.20 Corrected Temp. °C		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C Corrected Temp. °C	

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April 02, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: COTTON DRAW 202

Enclosed are the results of analyses for samples received by the laboratory on 03/28/24 11:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/28/2024
 Reported: 04/02/2024
 Project Name: COTTON DRAW 202
 Project Number: 248463
 Project Location: DEVON - LEA CO, NM

Sampling Date: 03/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 1 4FT (H241628-01)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2024	ND	2.13	107	2.00	1.28	
Toluene*	<0.050	0.050	03/28/2024	ND	2.08	104	2.00	1.64	
Ethylbenzene*	0.063	0.050	03/28/2024	ND	2.04	102	2.00	1.28	
Total Xylenes*	1.02	0.150	03/28/2024	ND	5.91	98.6	6.00	1.20	
Total BTEX	1.08	0.300	03/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	04/01/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	56.6	10.0	03/28/2024	ND	220	110	200	5.10		
DRO >C10-C28*	1060	10.0	03/28/2024	ND	196	98.1	200	5.34		
EXT DRO >C28-C36	140	10.0	03/28/2024	ND						

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 149 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/28/2024
 Reported: 04/02/2024
 Project Name: COTTON DRAW 202
 Project Number: 248463
 Project Location: DEVON - LEA CO, NM

Sampling Date: 03/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 2 4FT (H241628-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2024	ND	2.13	107	2.00	1.28		
Toluene*	<0.050	0.050	03/28/2024	ND	2.08	104	2.00	1.64		
Ethylbenzene*	<0.050	0.050	03/28/2024	ND	2.04	102	2.00	1.28		
Total Xylenes*	0.865	0.150	03/28/2024	ND	5.91	98.6	6.00	1.20		
Total BTEX	0.865	0.300	03/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	04/01/2024	ND	416	104	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*	50.7	10.0	03/28/2024	ND	220	110	200	5.10	
DRO >C10-C28*	957	10.0	03/28/2024	ND	196	98.1	200	5.34	
EXT DRO >C28-C36	125	10.0	03/28/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/28/2024
 Reported: 04/02/2024
 Project Name: COTTON DRAW 202
 Project Number: 248463
 Project Location: DEVON - LEA CO, NM

Sampling Date: 03/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 3 4FT (H241628-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2024	ND	2.13	107	2.00	1.28	
Toluene*	<0.050	0.050	03/28/2024	ND	2.08	104	2.00	1.64	
Ethylbenzene*	0.075	0.050	03/28/2024	ND	2.04	102	2.00	1.28	
Total Xylenes*	1.09	0.150	03/28/2024	ND	5.91	98.6	6.00	1.20	
Total BTEX	1.16	0.300	03/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	04/01/2024	ND	416	104	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*	59.4	10.0	03/28/2024	ND	220	110	200	5.10	
DRO >C10-C28*	1230	10.0	03/28/2024	ND	196	98.1	200	5.34	
EXT DRO >C28-C36	177	10.0	03/28/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/28/2024
 Reported: 04/02/2024
 Project Name: COTTON DRAW 202
 Project Number: 248463
 Project Location: DEVON - LEA CO, NM

Sampling Date: 03/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 4 4FT (H241628-04)

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	03/28/2024	ND	2.13	107	2.00	1.28	
Toluene*	<0.050	0.050	03/28/2024	ND	2.08	104	2.00	1.64	
Ethylbenzene*	<0.050	0.050	03/28/2024	ND	2.04	102	2.00	1.28	
Total Xylenes*	0.517	0.150	03/28/2024	ND	5.91	98.6	6.00	1.20	
Total BTEX	0.517	0.300	03/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	04/01/2024	ND	416	104	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*	38.5	10.0	03/29/2024	ND	220	110	200	5.10	
DRO >C10-C28*	927	10.0	03/29/2024	ND	196	98.1	200	5.34	
EXT DRO >C28-C36	164	10.0	03/29/2024	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 140 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/28/2024
 Reported: 04/02/2024
 Project Name: COTTON DRAW 202
 Project Number: 248463
 Project Location: DEVON - LEA CO, NM

Sampling Date: 03/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 5 4FT (H241628-05)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2024	ND	2.13	107	2.00	1.28	
Toluene*	<0.050	0.050	03/28/2024	ND	2.08	104	2.00	1.64	
Ethylbenzene*	0.092	0.050	03/28/2024	ND	2.04	102	2.00	1.28	
Total Xylenes*	1.52	0.150	03/28/2024	ND	5.91	98.6	6.00	1.20	
Total BTEx	1.61	0.300	03/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 130 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	04/01/2024	ND	416	104	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*	39.6	10.0	03/28/2024	ND	190	95.1	200	0.836	
DRO >C10-C28*	782	10.0	03/28/2024	ND	193	96.4	200	3.57	QM-07
EXT DRO >C28-C36	148	10.0	03/28/2024	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/28/2024
 Reported: 04/02/2024
 Project Name: COTTON DRAW 202
 Project Number: 248463
 Project Location: DEVON - LEA CO, NM

Sampling Date: 03/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 6 2.5FT (H241628-06)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2024	ND	2.13	107	2.00	1.28	
Toluene*	<0.050	0.050	03/28/2024	ND	2.08	104	2.00	1.64	
Ethylbenzene*	<0.050	0.050	03/28/2024	ND	2.04	102	2.00	1.28	
Total Xylenes*	0.362	0.150	03/28/2024	ND	5.91	98.6	6.00	1.20	
Total BTEX	0.362	0.300	03/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	04/01/2024	ND	416	104	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*	18.6	10.0	03/28/2024	ND	190	95.1	200	0.836	
DRO >C10-C28*	503	10.0	03/28/2024	ND	193	96.4	200	3.57	
EXT DRO >C28-C36	123	10.0	03/28/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/28/2024
 Reported: 04/02/2024
 Project Name: COTTON DRAW 202
 Project Number: 248463
 Project Location: DEVON - LEA CO, NM

Sampling Date: 03/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 7 2.5FT (H241628-07)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2024	ND	2.13	107	2.00	1.28		
Toluene*	<0.050	0.050	03/28/2024	ND	2.08	104	2.00	1.64		
Ethylbenzene*	<0.050	0.050	03/28/2024	ND	2.04	102	2.00	1.28		
Total Xylenes*	0.489	0.150	03/28/2024	ND	5.91	98.6	6.00	1.20		
Total BTEX	0.489	0.300	03/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	04/01/2024	ND	416	104	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*	26.8	10.0	03/28/2024	ND	190	95.1	200	0.836	
DRO >C10-C28*	623	10.0	03/28/2024	ND	193	96.4	200	3.57	
EXT DRO >C28-C36	111	10.0	03/28/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/28/2024
 Reported: 04/02/2024
 Project Name: COTTON DRAW 202
 Project Number: 248463
 Project Location: DEVON - LEA CO, NM

Sampling Date: 03/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 8 2.5FT (H241628-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/28/2024	ND	2.13	107	2.00	1.28		
Toluene*	<0.050	0.050	03/28/2024	ND	2.08	104	2.00	1.64		
Ethylbenzene*	<0.050	0.050	03/28/2024	ND	2.04	102	2.00	1.28		
Total Xylenes*	<0.150	0.150	03/28/2024	ND	5.91	98.6	6.00	1.20		
Total BTEx	<0.300	0.300	03/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.8 % 71.5-134

Chloride, SM4500CI-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	04/01/2024	ND	416	104	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	03/28/2024	ND	190	95.1	200	0.836	
DRO >C10-C28*	<10.0	10.0	03/28/2024	ND	193	96.4	200	3.57	
EXT DRO >C28-C36	<10.0	10.0	03/28/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/28/2024
 Reported: 04/02/2024
 Project Name: COTTON DRAW 202
 Project Number: 248463
 Project Location: DEVON - LEA CO, NM

Sampling Date: 03/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 9 2.5FT (H241628-09)

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	03/28/2024	ND	2.13	107	2.00	1.28	
Toluene*	<0.050	0.050	03/28/2024	ND	2.08	104	2.00	1.64	
Ethylbenzene*	0.080	0.050	03/28/2024	ND	2.04	102	2.00	1.28	
Total Xylenes*	1.30	0.150	03/28/2024	ND	5.91	98.6	6.00	1.20	
Total BTEX	1.38	0.300	03/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	04/01/2024	ND	416	104	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*	42.2	10.0	03/28/2024	ND	190	95.1	200	0.836	
DRO >C10-C28*	947	10.0	03/28/2024	ND	193	96.4	200	3.57	
EXT DRO >C28-C36	189	10.0	03/28/2024	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/28/2024
 Reported: 04/02/2024
 Project Name: COTTON DRAW 202
 Project Number: 248463
 Project Location: DEVON - LEA CO, NM

Sampling Date: 03/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 10 1.5FT (H241628-10)

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	03/28/2024	ND	2.13	107	2.00	1.28		
Toluene*	<0.050	0.050	03/28/2024	ND	2.08	104	2.00	1.64		
Ethylbenzene*	<0.050	0.050	03/28/2024	ND	2.04	102	2.00	1.28		
Total Xylenes*	<0.150	0.150	03/28/2024	ND	5.91	98.6	6.00	1.20		
Total BTEx	<0.300	0.300	03/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.4 % 71.5-134

Chloride, SM4500CI-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	04/01/2024	ND	416	104	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	03/28/2024	ND	190	95.1	200	0.836	
DRO >C10-C28*	<10.0	10.0	03/28/2024	ND	193	96.4	200	3.57	
EXT DRO >C28-C36	<10.0	10.0	03/28/2024	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/28/2024
 Reported: 04/02/2024
 Project Name: COTTON DRAW 202
 Project Number: 248463
 Project Location: DEVON - LEA CO, NM

Sampling Date: 03/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 11 1.5FT (H241628-11)

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	03/28/2024	ND	2.13	107	2.00	1.28		
Toluene*	<0.050	0.050	03/28/2024	ND	2.08	104	2.00	1.64		
Ethylbenzene*	<0.050	0.050	03/28/2024	ND	2.04	102	2.00	1.28		
Total Xylenes*	<0.150	0.150	03/28/2024	ND	5.91	98.6	6.00	1.20		
Total BTEx	<0.300	0.300	03/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 71.5-134

Chloride, SM4500CI-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	04/01/2024	ND	416	104	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	03/28/2024	ND	190	95.1	200	0.836	
DRO >C10-C28*	<10.0	10.0	03/28/2024	ND	193	96.4	200	3.57	
EXT DRO >C28-C36	<10.0	10.0	03/28/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/28/2024
 Reported: 04/02/2024
 Project Name: COTTON DRAW 202
 Project Number: 248463
 Project Location: DEVON - LEA CO, NM

Sampling Date: 03/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 12 1.5FT (H241628-12)

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	03/28/2024	ND	2.13	107	2.00	1.28		
Toluene*	<0.050	0.050	03/28/2024	ND	2.08	104	2.00	1.64		
Ethylbenzene*	<0.050	0.050	03/28/2024	ND	2.04	102	2.00	1.28		
Total Xylenes*	<0.150	0.150	03/28/2024	ND	5.91	98.6	6.00	1.20		
Total BTEx	<0.300	0.300	03/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 71.5-134

Chloride, SM4500CI-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	04/01/2024	ND	416	104	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	03/28/2024	ND	190	95.1	200	0.836	
DRO >C10-C28*	<10.0	10.0	03/28/2024	ND	193	96.4	200	3.57	
EXT DRO >C28-C36	<10.0	10.0	03/28/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/28/2024
 Reported: 04/02/2024
 Project Name: COTTON DRAW 202
 Project Number: 248463
 Project Location: DEVON - LEA CO, NM

Sampling Date: 03/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 13 1.5FT (H241628-13)

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	03/28/2024	ND	2.13	107	2.00	1.28		
Toluene*	<0.050	0.050	03/28/2024	ND	2.08	104	2.00	1.64		
Ethylbenzene*	<0.050	0.050	03/28/2024	ND	2.04	102	2.00	1.28		
Total Xylenes*	<0.150	0.150	03/28/2024	ND	5.91	98.6	6.00	1.20		
Total BTEx	<0.300	0.300	03/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.9 % 71.5-134

Chloride, SM4500CI-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	04/01/2024	ND	416	104	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	03/28/2024	ND	190	95.1	200	0.836	
DRO >C10-C28*	<10.0	10.0	03/28/2024	ND	193	96.4	200	3.57	
EXT DRO >C28-C36	<10.0	10.0	03/28/2024	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/28/2024
 Reported: 04/02/2024
 Project Name: COTTON DRAW 202
 Project Number: 248463
 Project Location: DEVON - LEA CO, NM

Sampling Date: 03/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 14 1.5FT (H241628-14)

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	03/28/2024	ND	2.13	107	2.00	1.28		
Toluene*	<0.050	0.050	03/28/2024	ND	2.08	104	2.00	1.64		
Ethylbenzene*	<0.050	0.050	03/28/2024	ND	2.04	102	2.00	1.28		
Total Xylenes*	<0.150	0.150	03/28/2024	ND	5.91	98.6	6.00	1.20		
Total BTEX	<0.300	0.300	03/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/01/2024	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	03/28/2024	ND	190	95.1	200	0.836	
DRO >C10-C28*	<10.0	10.0	03/28/2024	ND	193	96.4	200	3.57	
EXT DRO >C28-C36	<10.0	10.0	03/28/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/28/2024
 Reported: 04/02/2024
 Project Name: COTTON DRAW 202
 Project Number: 248463
 Project Location: DEVON - LEA CO, NM

Sampling Date: 03/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 15 1.5FT (H241628-15)

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	03/28/2024	ND	2.13	107	2.00	1.28	
Toluene*	<0.050	0.050	03/28/2024	ND	2.08	104	2.00	1.64	
Ethylbenzene*	<0.050	0.050	03/28/2024	ND	2.04	102	2.00	1.28	
Total Xylenes*	<0.150	0.150	03/28/2024	ND	5.91	98.6	6.00	1.20	
Total BTEx	<0.300	0.300	03/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/01/2024	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	03/28/2024	ND	190	95.1	200	0.836	
DRO >C10-C28*	<10.0	10.0	03/28/2024	ND	193	96.4	200	3.57	
EXT DRO >C28-C36	<10.0	10.0	03/28/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/28/2024
 Reported: 04/02/2024
 Project Name: COTTON DRAW 202
 Project Number: 248463
 Project Location: DEVON - LEA CO, NM

Sampling Date: 03/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 1 0-4FT (H241628-16)

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	03/28/2024	ND	2.13	107	2.00	1.28		
Toluene*	<0.050	0.050	03/28/2024	ND	2.08	104	2.00	1.64		
Ethylbenzene*	<0.050	0.050	03/28/2024	ND	2.04	102	2.00	1.28		
Total Xylenes*	0.521	0.150	03/28/2024	ND	5.91	98.6	6.00	1.20		
Total BTEX	0.521	0.300	03/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	04/01/2024	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*	45.3	10.0	03/28/2024	ND	190	95.1	200	0.836	
DRO >C10-C28*	920	10.0	03/28/2024	ND	193	96.4	200	3.57	
EXT DRO >C28-C36	161	10.0	03/28/2024	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/28/2024
 Reported: 04/02/2024
 Project Name: COTTON DRAW 202
 Project Number: 248463
 Project Location: DEVON - LEA CO, NM

Sampling Date: 03/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 2 0-4FT (H241628-17)

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	03/28/2024	ND	2.13	107	2.00	1.28		
Toluene*	<0.050	0.050	03/28/2024	ND	2.08	104	2.00	1.64		
Ethylbenzene*	<0.050	0.050	03/28/2024	ND	2.04	102	2.00	1.28		
Total Xylenes*	0.665	0.150	03/28/2024	ND	5.91	98.6	6.00	1.20		
Total BTEX	0.665	0.300	03/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	04/01/2024	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*	27.8	10.0	03/28/2024	ND	190	95.1	200	0.836	
DRO >C10-C28*	612	10.0	03/28/2024	ND	193	96.4	200	3.57	
EXT DRO >C28-C36	108	10.0	03/28/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/28/2024
 Reported: 04/02/2024
 Project Name: COTTON DRAW 202
 Project Number: 248463
 Project Location: DEVON - LEA CO, NM

Sampling Date: 03/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 3 0-4FT (H241628-18)

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	03/28/2024	ND	2.13	107	2.00	1.28		
Toluene*	<0.050	0.050	03/28/2024	ND	2.08	104	2.00	1.64		
Ethylbenzene*	<0.050	0.050	03/28/2024	ND	2.04	102	2.00	1.28		
Total Xylenes*	0.525	0.150	03/28/2024	ND	5.91	98.6	6.00	1.20		
Total BTEX	0.525	0.300	03/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	04/01/2024	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*	33.2	10.0	03/28/2024	ND	190	95.1	200	0.836	
DRO >C10-C28*	636	10.0	03/28/2024	ND	193	96.4	200	3.57	
EXT DRO >C28-C36	103	10.0	03/28/2024	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/28/2024
 Reported: 04/02/2024
 Project Name: COTTON DRAW 202
 Project Number: 248463
 Project Location: DEVON - LEA CO, NM

Sampling Date: 03/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 4 2.5-4FT (H241628-19)

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	03/28/2024	ND	2.13	107	2.00	1.28		
Toluene*	<0.050	0.050	03/28/2024	ND	2.08	104	2.00	1.64		
Ethylbenzene*	<0.050	0.050	03/28/2024	ND	2.04	102	2.00	1.28		
Total Xylenes*	0.532	0.150	03/28/2024	ND	5.91	98.6	6.00	1.20		
Total BTEX	0.532	0.300	03/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	04/01/2024	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*	28.4	10.0	03/28/2024	ND	190	95.1	200	0.836	
DRO >C10-C28*	605	10.0	03/28/2024	ND	193	96.4	200	3.57	
EXT DRO >C28-C36	112	10.0	03/28/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/28/2024
 Reported: 04/02/2024
 Project Name: COTTON DRAW 202
 Project Number: 248463
 Project Location: DEVON - LEA CO, NM

Sampling Date: 03/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 5 0-2.5FT (H241628-20)

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	03/28/2024	ND	2.13	107	2.00	1.28	
Toluene*	<0.050	0.050	03/28/2024	ND	2.08	104	2.00	1.64	
Ethylbenzene*	<0.050	0.050	03/28/2024	ND	2.04	102	2.00	1.28	
Total Xylenes*	0.534	0.150	03/28/2024	ND	5.91	98.6	6.00	1.20	
Total BTEX	0.534	0.300	03/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	04/01/2024	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*	31.7	10.0	03/28/2024	ND	190	95.1	200	0.836	
DRO >C10-C28*	668	10.0	03/28/2024	ND	193	96.4	200	3.57	
EXT DRO >C28-C36	115	10.0	03/28/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/28/2024
 Reported: 04/02/2024
 Project Name: COTTON DRAW 202
 Project Number: 248463
 Project Location: DEVON - LEA CO, NM

Sampling Date: 03/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 6 0-2.5FT (H241628-21)

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	03/28/2024	ND	2.12	106	2.00	1.02		
Toluene*	<0.050	0.050	03/28/2024	ND	2.13	106	2.00	0.776		
Ethylbenzene*	<0.050	0.050	03/28/2024	ND	2.08	104	2.00	0.587		
Total Xylenes*	0.420	0.150	03/28/2024	ND	6.26	104	6.00	0.557		
Total BTEX	0.420	0.300	03/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	04/01/2024	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*	27.2	10.0	03/29/2024	ND	190	95.1	200	0.836	
DRO >C10-C28*	541	10.0	03/29/2024	ND	193	96.4	200	3.57	
EXT DRO >C28-C36	85.6	10.0	03/29/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/28/2024
 Reported: 04/02/2024
 Project Name: COTTON DRAW 202
 Project Number: 248463
 Project Location: DEVON - LEA CO, NM

Sampling Date: 03/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 7 1.5-2.5FT (H241628-22)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/28/2024	ND	2.12	106	2.00	1.02	
Toluene*	<0.050	0.050	03/28/2024	ND	2.13	106	2.00	0.776	
Ethylbenzene*	<0.050	0.050	03/28/2024	ND	2.08	104	2.00	0.587	
Total Xylenes*	1.18	0.150	03/28/2024	ND	6.26	104	6.00	0.557	
Total BTEX	1.18	0.300	03/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 136 % 71.5-134

Chloride, SM4500Cl-B			mg/kg					Analyzed By: CT	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	04/01/2024	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*	53.7	10.0	03/29/2024	ND	190	95.1	200	0.836	
DRO >C10-C28*	757	10.0	03/29/2024	ND	193	96.4	200	3.57	
EXT DRO >C28-C36	143	10.0	03/29/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/28/2024
 Reported: 04/02/2024
 Project Name: COTTON DRAW 202
 Project Number: 248463
 Project Location: DEVON - LEA CO, NM

Sampling Date: 03/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 8 0-1.5FT (H241628-23)

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	03/28/2024	ND	2.12	106	2.00	1.02		
Toluene*	<0.050	0.050	03/28/2024	ND	2.13	106	2.00	0.776		
Ethylbenzene*	<0.050	0.050	03/28/2024	ND	2.08	104	2.00	0.587		
Total Xylenes*	0.421	0.150	03/28/2024	ND	6.26	104	6.00	0.557		
Total BTEX	0.421	0.300	03/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	04/01/2024	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*	35.8	10.0	03/29/2024	ND	190	95.1	200	0.836	
DRO >C10-C28*	756	10.0	03/29/2024	ND	193	96.4	200	3.57	
EXT DRO >C28-C36	144	10.0	03/29/2024	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/28/2024
 Reported: 04/02/2024
 Project Name: COTTON DRAW 202
 Project Number: 248463
 Project Location: DEVON - LEA CO, NM

Sampling Date: 03/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 9 0-1.5FT (H241628-24)

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	03/28/2024	ND	2.12	106	2.00	1.02	
Toluene*	<0.050	0.050	03/28/2024	ND	2.13	106	2.00	0.776	
Ethylbenzene*	<0.050	0.050	03/28/2024	ND	2.08	104	2.00	0.587	
Total Xylenes*	0.558	0.150	03/28/2024	ND	6.26	104	6.00	0.557	
Total BTEX	0.558	0.300	03/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 128 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	04/01/2024	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*	37.0	10.0	03/29/2024	ND	190	95.1	200	0.836	
DRO >C10-C28*	1050	10.0	03/29/2024	ND	193	96.4	200	3.57	
EXT DRO >C28-C36	206	10.0	03/29/2024	ND					

Surrogate: 1-Chlorooctane 98.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 03/28/2024
 Reported: 04/02/2024
 Project Name: COTTON DRAW 202
 Project Number: 248463
 Project Location: DEVON - LEA CO, NM

Sampling Date: 03/28/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 10 0-1.5FT (H241628-25)

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	03/28/2024	ND	2.12	106	2.00	1.02		
Toluene*	<0.050	0.050	03/28/2024	ND	2.13	106	2.00	0.776		
Ethylbenzene*	<0.050	0.050	03/28/2024	ND	2.08	104	2.00	0.587		
Total Xylenes*	<0.150	0.150	03/28/2024	ND	6.26	104	6.00	0.557		
Total BTEX	<0.300	0.300	03/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/01/2024	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	03/28/2024	ND	221	111	200	6.87	
DRO >C10-C28*	<10.0	10.0	03/28/2024	ND	229	115	200	11.3	
EXT DRO >C28-C36	<10.0	10.0	03/28/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
- Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: 1241628 #

Page 1 of 3

Project Manager:	Ethan Sessums	Bill to: (if different)	Date Woodall
Company Name:	NTG Environmental	Company Name:	Devon
Address:	209 W McKay St	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	432-701-2159	Email:	esessums@ntglobal.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Cotton Draw 202	Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes				
Project Number:	248463	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush														None: NO	DI Water: H ₂ O			
Project Location:	lea Eddy Co. NM	Due Date:	98hr														Cool: Cool	MeOH: Me			
Sampler's Name:	Clayton Tumas	TAT starts the day received by the lab, if received by 4:30pm															HCL: HC	HNO ₃ : HN			
PO #	21307709																H ₂ SO ₄ : H ₂	NaOH: Na			
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters												HOLD				
Received Inact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	140																		
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Correction Factor:	0.96																		
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Temperature Reading:																			
Total Containers:	25	Corrected Temperature:																			
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
CS-1	4ft	3/28/2024		X		Comp	1	X	X	X											
CS-2	4ft	3/28/2024		X		Comp	1	X	X	X											
CS-3	4ft	3/28/2024		X		Comp	1	X	X	X											
CS-4	4ft	3/28/2024		X		Comp	1	X	X	X											
CS-5	4ft	3/28/2024		X		Comp	1	X	X	X											
CS-6	2.5ft	3/28/2024		X		Comp	1	X	X	X											
CS-7	2.5ft	3/28/2024		X		Comp	1	X	X	X											
CS-8	2.5ft	3/28/2024		X		Comp	1	X	X	X											
CS-9	2.5ft	3/28/2024		X		Comp	1	X	X	X											
CS-10	1.5ft	3/28/2024		X		Comp	1	X	X	X											

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time



Chain of Custody

Work Order No: 4241628 #

Page 2 of 3

Project Manager:	Ethan Sessums	Bill to: (if different)	Date Woodall
Company Name:	NTG Environmental	Company Name:	Devon
Address:	209 W McKay St	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	432-701-2159	Email:	esessums@ntglobal.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Cotton Draw 202	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Due Date:	4/5/24	TAT starts the day received by the lab, if received by 4:30pm			
Project Number:	248463							
Project Location:	Eddy Co, NM							
Sampler's Name:	Clayton Tumas							
PO #:	21307709							
SAMPLE RECEIPT								
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	140				
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	0.98				
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
Total Containers:	25	Corrected Temperature:						
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont	Parameters
CS-11	1.5ft	3/28/2024		X		Comp	1	X X X X
CS-12	1.5ft	3/28/2024		X		Comp	1	X X X X
CS-13	1.5ft	3/28/2024		X		Comp	1	X X X X
CS-14	1.5ft	3/28/2024		X		Comp	1	X X X X
CS-15	1.5ft	3/28/2024		X		Comp	1	X X X X
SW-1	0-4ft	3/28/2024		X		Comp	1	X X X X
SW-2	0-4ft	3/28/2024		X		Comp	1	X X X X
SW-3	0-4ft	3/28/2024		X		Comp	1	X X X X
SW-4	2.5-4ft	3/28/2024		X		Comp	1	X X X X
SW-5	0-2.5ft	3/28/2024		X		Comp	1	X X X X

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time



Chain of Custody

Work Order No: 4241638 #

Page 3 of 3

Page 30 of 30

Project Manager:	Ethan Sessums	Bill to: (if different)	Date Woodall
Company Name:	NTG Environmental	Company Name:	Devon
Address:	209 W McKay St	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	432-701-2159	Email:	esessums@ntglobal.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> FRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:		Cotton Draw 202		Turn Around:		Pres. Code		ANALYSIS REQUEST																			
Project Number:		248463		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush																							
Project Location:		Edy Co, NM		Due Date:		4/8/24																					
Sampler's Name:		Clayton Tumas		TAT starts the day received by the lab, if received by 4:30pm																							
PO #		21307709																									
SAMPLE RECEIPT				Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Well Ice:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																	
Received Intact:				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:		140																			
Cooler Custody Seals:				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Correction Factor:		N/A																			
Sample Custody Seals:				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Temperature Reading:		0.92																			
Total Containers:				25		Corrected Temperature:																					
Sample Identification		Depth (ft bgs)		Date		Time		Soil		Water		Grab/Comp		# of Cont		Parameters											
SW-6		0-2.5ft		3/28/2024				X				Comp		1		BTEX 8021B											
SW-7		1.5-2.5ft		3/28/2024				X				Comp		1		TPH 8015M (GRO + DRO + MRO)											
SW-8		0-1.5ft		3/28/2024				X				Comp		1		Chloride 4500											
SW-9		0-1.5ft		3/28/2024				X				Comp		1													
SW-10		0-1.5ft		3/28/2024				X				Comp		1													

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and sub-contractors. 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.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		3-28-24 1155			



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

April 10, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: COTTON DRAW 202

Enclosed are the results of analyses for samples received by the laboratory on 04/08/24 13:17.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/08/2024
 Reported: 04/10/2024
 Project Name: COTTON DRAW 202
 Project Number: 248463
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 04/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 1 5' (H241804-01)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/09/2024	ND	2.08	104	2.00	0.672	
Toluene*	<0.050	0.050	04/09/2024	ND	2.03	101	2.00	0.298	
Ethylbenzene*	<0.050	0.050	04/09/2024	ND	1.98	98.8	2.00	0.470	
Total Xylenes*	<0.150	0.150	04/09/2024	ND	5.78	96.4	6.00	0.828	
Total BTEX	<0.300	0.300	04/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	04/09/2024	ND	416	104	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	04/08/2024	ND	237	118	200	0.929	
DRO >C10-C28*	15.0	10.0	04/08/2024	ND	247	124	200	0.0413	
EXT DRO >C28-C36	<10.0	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.9 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/08/2024
 Reported: 04/10/2024
 Project Name: COTTON DRAW 202
 Project Number: 248463
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 04/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 2 5' (H241804-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/09/2024	ND	2.08	104	2.00	0.672	
Toluene*	<0.050	0.050	04/09/2024	ND	2.03	101	2.00	0.298	
Ethylbenzene*	<0.050	0.050	04/09/2024	ND	1.98	98.8	2.00	0.470	
Total Xylenes*	<0.150	0.150	04/09/2024	ND	5.78	96.4	6.00	0.828	
Total BTEX	<0.300	0.300	04/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 84.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	04/09/2024	ND	416	104	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	04/08/2024	ND	237	118	200	0.929	
DRO >C10-C28*	69.6	10.0	04/08/2024	ND	247	124	200	0.0413	
EXT DRO >C28-C36	<10.0	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/08/2024
 Reported: 04/10/2024
 Project Name: COTTON DRAW 202
 Project Number: 248463
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 04/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 3 5' (H241804-03)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/09/2024	ND	2.08	104	2.00	0.672		
Toluene*	<0.050	0.050	04/09/2024	ND	2.03	101	2.00	0.298		
Ethylbenzene*	<0.050	0.050	04/09/2024	ND	1.98	98.8	2.00	0.470		
Total Xylenes*	<0.150	0.150	04/09/2024	ND	5.78	96.4	6.00	0.828		
Total BTX	<0.300	0.300	04/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	880	16.0	04/09/2024	ND	416	104	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	04/08/2024	ND	237	118	200	0.929	
DRO >C10-C28*	35.1	10.0	04/08/2024	ND	247	124	200	0.0413	
EXT DRO >C28-C36	<10.0	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 75.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/08/2024
 Reported: 04/10/2024
 Project Name: COTTON DRAW 202
 Project Number: 248463
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 04/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 6 4' (H241804-04)

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	04/09/2024	ND	2.08	104	2.00	0.672	
Toluene*	<0.050	0.050	04/09/2024	ND	2.03	101	2.00	0.298	
Ethylbenzene*	<0.050	0.050	04/09/2024	ND	1.98	98.8	2.00	0.470	
Total Xylenes*	<0.150	0.150	04/09/2024	ND	5.78	96.4	6.00	0.828	
Total BTEX	<0.300	0.300	04/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	04/09/2024	ND	416	104	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	04/08/2024	ND	237	118	200	0.929	
DRO >C10-C28*	55.5	10.0	04/08/2024	ND	247	124	200	0.0413	
EXT DRO >C28-C36	<10.0	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/08/2024
 Reported: 04/10/2024
 Project Name: COTTON DRAW 202
 Project Number: 248463
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 04/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 7 4' (H241804-05)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/09/2024	ND	2.08	104	2.00	0.672	
Toluene*	<0.050	0.050	04/09/2024	ND	2.03	101	2.00	0.298	
Ethylbenzene*	<0.050	0.050	04/09/2024	ND	1.98	98.8	2.00	0.470	
Total Xylenes*	<0.150	0.150	04/09/2024	ND	5.78	96.4	6.00	0.828	
Total BTEX	<0.300	0.300	04/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	896	16.0	04/09/2024	ND	416	104	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	04/08/2024	ND	237	118	200	0.929	
DRO >C10-C28*	85.1	10.0	04/08/2024	ND	247	124	200	0.0413	
EXT DRO >C28-C36	13.0	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 84.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/08/2024
 Reported: 04/10/2024
 Project Name: COTTON DRAW 202
 Project Number: 248463
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 04/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 9 4' (H241804-06)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/09/2024	ND	2.08	104	2.00	0.672	
Toluene*	<0.050	0.050	04/09/2024	ND	2.03	101	2.00	0.298	
Ethylbenzene*	<0.050	0.050	04/09/2024	ND	1.98	98.8	2.00	0.470	
Total Xylenes*	<0.150	0.150	04/09/2024	ND	5.78	96.4	6.00	0.828	
Total BTX	<0.300	0.300	04/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	720	16.0	04/09/2024	ND	416	104	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	04/08/2024	ND	237	118	200	0.929	
DRO >C10-C28*	<10.0	10.0	04/08/2024	ND	247	124	200	0.0413	
EXT DRO >C28-C36	<10.0	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/08/2024
 Reported: 04/10/2024
 Project Name: COTTON DRAW 202
 Project Number: 248463
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 04/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 1 0-5' (H241804-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/09/2024	ND	2.08	104	2.00	0.672		
Toluene*	<0.050	0.050	04/09/2024	ND	2.03	101	2.00	0.298		
Ethylbenzene*	<0.050	0.050	04/09/2024	ND	1.98	98.8	2.00	0.470		
Total Xylenes*	<0.150	0.150	04/09/2024	ND	5.78	96.4	6.00	0.828		
Total BTEx	<0.300	0.300	04/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	04/09/2024	ND	416	104	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	04/08/2024	ND	237	118	200	0.929	
DRO >C10-C28*	<10.0	10.0	04/08/2024	ND	247	124	200	0.0413	
EXT DRO >C28-C36	<10.0	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 69.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/08/2024
 Reported: 04/10/2024
 Project Name: COTTON DRAW 202
 Project Number: 248463
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 04/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 2 0-5' (H241804-08)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/09/2024	ND	2.08	104	2.00	0.672	
Toluene*	<0.050	0.050	04/09/2024	ND	2.03	101	2.00	0.298	
Ethylbenzene*	<0.050	0.050	04/09/2024	ND	1.98	98.8	2.00	0.470	
Total Xylenes*	<0.150	0.150	04/09/2024	ND	5.78	96.4	6.00	0.828	
Total BTEX	<0.300	0.300	04/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	04/09/2024	ND	416	104	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	04/08/2024	ND	237	118	200	0.929	
DRO >C10-C28*	<10.0	10.0	04/08/2024	ND	247	124	200	0.0413	
EXT DRO >C28-C36	<10.0	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/08/2024
 Reported: 04/10/2024
 Project Name: COTTON DRAW 202
 Project Number: 248463
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 04/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 3 0-5' (H241804-09)

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	04/09/2024	ND	2.08	104	2.00	0.672		
Toluene*	<0.050	0.050	04/09/2024	ND	2.03	101	2.00	0.298		
Ethylbenzene*	<0.050	0.050	04/09/2024	ND	1.98	98.8	2.00	0.470		
Total Xylenes*	<0.150	0.150	04/09/2024	ND	5.78	96.4	6.00	0.828		
Total BTEx	<0.300	0.300	04/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1040	16.0	04/09/2024	ND	416	104	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	04/09/2024	ND	237	118	200	0.929	
DRO >C10-C28*	<10.0	10.0	04/09/2024	ND	247	124	200	0.0413	
EXT DRO >C28-C36	<10.0	10.0	04/09/2024	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/08/2024
 Reported: 04/10/2024
 Project Name: COTTON DRAW 202
 Project Number: 248463
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 04/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 4 4'-2.5' (H241804-10)

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	04/09/2024	ND	2.08	104	2.00	0.672		
Toluene*	<0.050	0.050	04/09/2024	ND	2.03	101	2.00	0.298		
Ethylbenzene*	<0.050	0.050	04/09/2024	ND	1.98	98.8	2.00	0.470		
Total Xylenes*	<0.150	0.150	04/09/2024	ND	5.78	96.4	6.00	0.828		
Total BTEX	<0.300	0.300	04/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2320	16.0	04/09/2024	ND	416	104	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	04/09/2024	ND	237	118	200	0.929	
DRO >C10-C28*	657	10.0	04/09/2024	ND	247	124	200	0.0413	
EXT DRO >C28-C36	110	10.0	04/09/2024	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/08/2024
 Reported: 04/10/2024
 Project Name: COTTON DRAW 202
 Project Number: 248463
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 04/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 5 0-4' (H241804-11)

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	04/09/2024	ND	2.08	104	2.00	0.672		
Toluene*	<0.050	0.050	04/09/2024	ND	2.03	101	2.00	0.298		
Ethylbenzene*	<0.050	0.050	04/09/2024	ND	1.98	98.8	2.00	0.470		
Total Xylenes*	<0.150	0.150	04/09/2024	ND	5.78	96.4	6.00	0.828		
Total BTEX	<0.300	0.300	04/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	04/09/2024	ND	416	104	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	04/08/2024	ND	229	115	200	0.610	
DRO >C10-C28*	<10.0	10.0	04/08/2024	ND	245	123	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/08/2024
 Reported: 04/10/2024
 Project Name: COTTON DRAW 202
 Project Number: 248463
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 04/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 6 0-2.5' (H241804-12)

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	04/09/2024	ND	2.08	104	2.00	0.672		
Toluene*	<0.050	0.050	04/09/2024	ND	2.03	101	2.00	0.298		
Ethylbenzene*	<0.050	0.050	04/09/2024	ND	1.98	98.8	2.00	0.470		
Total Xylenes*	<0.150	0.150	04/09/2024	ND	5.78	96.4	6.00	0.828		
Total BTEX	<0.300	0.300	04/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	04/09/2024	ND	416	104	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	04/08/2024	ND	229	115	200	0.610	
DRO >C10-C28*	<10.0	10.0	04/08/2024	ND	245	123	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/08/2024
 Reported: 04/10/2024
 Project Name: COTTON DRAW 202
 Project Number: 248463
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 04/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 7 1.5'-4' (H241804-13)

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	04/09/2024	ND	2.08	104	2.00	0.672	
Toluene*	<0.050	0.050	04/09/2024	ND	2.03	101	2.00	0.298	
Ethylbenzene*	<0.050	0.050	04/09/2024	ND	1.98	98.8	2.00	0.470	
Total Xylenes*	<0.150	0.150	04/09/2024	ND	5.78	96.4	6.00	0.828	
Total BTEX	<0.300	0.300	04/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.9 % 71.5-134

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	04/09/2024	ND	448	112	400	7.41		

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	04/08/2024	ND	229	115	200	0.610	
DRO >C10-C28*	19.2	10.0	04/08/2024	ND	245	123	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/08/2024
 Reported: 04/10/2024
 Project Name: COTTON DRAW 202
 Project Number: 248463
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 04/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 8 0-1.5' (H241804-14)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/09/2024	ND	2.08	104	2.00	0.672		
Toluene*	<0.050	0.050	04/09/2024	ND	2.03	101	2.00	0.298		
Ethylbenzene*	<0.050	0.050	04/09/2024	ND	1.98	98.8	2.00	0.470		
Total Xylenes*	<0.150	0.150	04/09/2024	ND	5.78	96.4	6.00	0.828		
Total BTX	<0.300	0.300	04/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.5 % 71.5-134

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	04/09/2024	ND	448	112	400	7.41		

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	04/08/2024	ND	229	115	200	0.610	
DRO >C10-C28*	<10.0	10.0	04/08/2024	ND	245	123	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 74.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/08/2024
 Reported: 04/10/2024
 Project Name: COTTON DRAW 202
 Project Number: 248463
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 04/08/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 9 0-1.5' (H241804-15)

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	04/09/2024	ND	2.08	104	2.00	0.672		
Toluene*	<0.050	0.050	04/09/2024	ND	2.03	101	2.00	0.298		
Ethylbenzene*	<0.050	0.050	04/09/2024	ND	1.98	98.8	2.00	0.470		
Total Xylenes*	<0.150	0.150	04/09/2024	ND	5.78	96.4	6.00	0.828		
Total BTEX	<0.300	0.300	04/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.5 % 71.5-134

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	04/09/2024	ND	448	112	400	7.41		

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	04/08/2024	ND	229	115	200	0.610	
DRO >C10-C28*	<10.0	10.0	04/08/2024	ND	245	123	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 81.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: JTC Project Manager: Ethan Sossams Address: 209 W McIlroy City: Carlsbad NM Phone #: 254 266 5456 Project #: 208463 Project Name: Cotton Draw 202 Project Location: Eddy County Sampler Name: Tyler Kunkel <small>FOR LAB USE ONLY</small>		State: NM Zip: 88220 Attn: Address: City: State: Zip: Phone #: Fax #:		BILL TO P.O. #: 21307709 Company: Attn: Address: City: State: Zip: Phone #: Fax #:	
Lab I.D. H241804 CS-1 5' CS-2 5' CS-3 5' CS-6 4' CS-7 4' CS-9 4' SW-1 0-5' SW-2 0-5' SW-3 0-5' SW-4 4'-2.5'		Sample I.D. (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:		MATRIX PRESERV. SAMPLING	
Date: 4-8-24 Time: 1:17 PM Received By: [Signature] Relinquished By: [Signature]		DATE 4-8-24 TIME 9:00		ANALYSIS REQUEST TPIT Chlorides BTEx	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C -0.9 Corrected Temp. °C [Blank]		Sample Condition Cool Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Checked By: [Signature] (Initials)	
Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/> Bacteria (only) Sample Condition: <input type="checkbox"/> Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C: [Blank] Corrected Temp. °C: [Blank]		Thermometer ID #140 Correction Factor °C: [Blank]		REMARKS: Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: [Blank] All Results are emailed. Please provide Email address: [Blank]	



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: VTC Project Manager: Ertan Sossuans Address: 209 W McIlroy City: Carlsbad State: NM Zip: 88020 Phone #: 254 266 5456 Fax #: Project #: 298463 Project Owner: Devon Project Name: Cotton Draw 202 Project Location: Eddy County Sampler Name: Tyler Kempf		P.O. #: 2137709 Company: Attn: Address: City: State: Zip: Phone #: Fax #:	
FOR LAB USE ONLY Lab I.D. H341804 Sample I.D. 11 Sw-5 0-4' 12 Sw-6 0-2.5' 13 Sw-7 1.5-4' 14 Sw-8 0-1.5' 15 Sw-9 0-1.8'		MATRIX (G)RAB OR (C)OMP. <input type="checkbox"/> # CONTAINERS <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input type="checkbox"/> SOIL <input checked="" type="checkbox"/> OIL <input type="checkbox"/> SLUDGE <input type="checkbox"/> OTHER: <input type="checkbox"/> ACID/BASE: <input type="checkbox"/> ICE / COOL <input type="checkbox"/> OTHER: <input checked="" type="checkbox"/>	
DATE 4-8-24 TIME 9:30		SAMPLING TPIT Chlorides BTEx	
PLEASE NOTE: Liability and/or damage. Cardholder's liability and client's purchase remedy for any claim arising whether based in contract or tort shall be limited to the amount paid by the client for the service. In no event shall Cardholder 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. "Noting out of or related to the performance of services hereunder by Cardholder, regardless of whether such claim is based on any of the above stated categories or otherwise."		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: REMARKS: All Results are emailed. Please provide Email address:	
Refiniquished By: [Signature] Date: 4-8-24 Time: 1:17 PM Received By: [Signature]		Checked By: [Signature] Initials:	
Delivered By: (Circle One) UPS <input type="checkbox"/> Other <input type="checkbox"/>		Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>	
Observed Temp. °C -0.9 Corrected Temp. °C		Thermometer ID #140 Correction Factor 0°C	
Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		Bacteria (only) <input type="checkbox"/> Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	
Observed Temp. °C Corrected Temp. °C		Observed Temp. °C Corrected Temp. °C	



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

April 17, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: COTTON DRAW UNIT # 202 H

Enclosed are the results of analyses for samples received by the laboratory on 04/16/24 13:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/16/2024
 Reported: 04/17/2024
 Project Name: COTTON DRAW UNIT # 202 H
 Project Number: 248463
 Project Location: DEVON ENERGY - EDDY CO, NM

Sampling Date: 04/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 4B 2.5-4' (H241999-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/17/2024	ND	2.07	103	2.00	0.662		
Toluene*	<0.050	0.050	04/17/2024	ND	2.09	104	2.00	1.16		
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.04	102	2.00	1.35		
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.20	103	6.00	1.20		
Total BTEX	<0.300	0.300	04/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	04/17/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	174	87.1	200	8.74	
DRO >C10-C28*	930	10.0	04/16/2024	ND	161	80.7	200	13.3	
EXT DRO >C28-C36	240	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 87.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/16/2024
 Reported: 04/17/2024
 Project Name: COTTON DRAW UNIT # 202 H
 Project Number: 248463
 Project Location: DEVON ENERGY - EDDY CO, NM

Sampling Date: 04/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 5B 0-4' (H241999-02)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/16/2024	ND	1.85	92.3	2.00	13.0		
Toluene*	<0.050	0.050	04/16/2024	ND	2.00	100	2.00	10.7		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.01	100	2.00	12.9		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	5.90	98.4	6.00	12.8		
Total BTX	<0.300	0.300	04/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	04/17/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	174	87.1	200	8.74	
DRO >C10-C28*	895	10.0	04/16/2024	ND	161	80.7	200	13.3	
EXT DRO >C28-C36	221	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 86.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/16/2024
 Reported: 04/17/2024
 Project Name: COTTON DRAW UNIT # 202 H
 Project Number: 248463
 Project Location: DEVON ENERGY - EDDY CO, NM

Sampling Date: 04/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 11 2.5-4' (H241999-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/16/2024	ND	1.85	92.3	2.00	13.0	
Toluene*	<0.050	0.050	04/16/2024	ND	2.00	100	2.00	10.7	
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.01	100	2.00	12.9	
Total Xylenes*	<0.150	0.150	04/16/2024	ND	5.90	98.4	6.00	12.8	
Total BTEX	<0.300	0.300	04/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	04/17/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	174	87.1	200	8.74	
DRO >C10-C28*	885	10.0	04/16/2024	ND	161	80.7	200	13.3	
EXT DRO >C28-C36	228	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 84.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/16/2024
 Reported: 04/17/2024
 Project Name: COTTON DRAW UNIT # 202 H
 Project Number: 248463
 Project Location: DEVON ENERGY - EDDY CO, NM

Sampling Date: 04/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 12 4-5' (H241999-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/16/2024	ND	1.85	92.3	2.00	13.0		
Toluene*	<0.050	0.050	04/16/2024	ND	2.00	100	2.00	10.7		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.01	100	2.00	12.9		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	5.90	98.4	6.00	12.8		
Total BTX	<0.300	0.300	04/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	04/17/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	174	87.1	200	8.74	
DRO >C10-C28*	638	10.0	04/16/2024	ND	161	80.7	200	13.3	
EXT DRO >C28-C36	171	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/16/2024
 Reported: 04/17/2024
 Project Name: COTTON DRAW UNIT # 202 H
 Project Number: 248463
 Project Location: DEVON ENERGY - EDDY CO, NM

Sampling Date: 04/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 13 0-4' (H241999-05)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/16/2024	ND	1.85	92.3	2.00	13.0		
Toluene*	<0.050	0.050	04/16/2024	ND	2.00	100	2.00	10.7		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.01	100	2.00	12.9		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	5.90	98.4	6.00	12.8		
Total BTX	<0.300	0.300	04/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	04/17/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	174	87.1	200	8.74	
DRO >C10-C28*	1090	10.0	04/16/2024	ND	161	80.7	200	13.3	
EXT DRO >C28-C36	275	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/16/2024
 Reported: 04/17/2024
 Project Name: COTTON DRAW UNIT # 202 H
 Project Number: 248463
 Project Location: DEVON ENERGY - EDDY CO, NM

Sampling Date: 04/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 14 0-4' (H241999-06)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/16/2024	ND	1.85	92.3	2.00	13.0		
Toluene*	<0.050	0.050	04/16/2024	ND	2.00	100	2.00	10.7		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.01	100	2.00	12.9		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	5.90	98.4	6.00	12.8		
Total BTEX	<0.300	0.300	04/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	04/17/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	174	87.1	200	8.74	
DRO >C10-C28*	1110	10.0	04/16/2024	ND	161	80.7	200	13.3	
EXT DRO >C28-C36	292	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/16/2024
 Reported: 04/17/2024
 Project Name: COTTON DRAW UNIT # 202 H
 Project Number: 248463
 Project Location: DEVON ENERGY - EDDY CO, NM

Sampling Date: 04/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 16 1.5' (H241999-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/16/2024	ND	1.85	92.3	2.00	13.0		
Toluene*	<0.050	0.050	04/16/2024	ND	2.00	100	2.00	10.7		
Ethylbenzene*	<0.050	0.050	04/16/2024	ND	2.01	100	2.00	12.9		
Total Xylenes*	<0.150	0.150	04/16/2024	ND	5.90	98.4	6.00	12.8		
Total BTEx	<0.300	0.300	04/16/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	04/17/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/16/2024	ND	174	87.1	200	8.74	
DRO >C10-C28*	895	10.0	04/16/2024	ND	161	80.7	200	13.3	
EXT DRO >C28-C36	237	10.0	04/16/2024	ND					

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



Work Order No: _____ #

H24/999

Page 1 of 1



Project Manager:	Ethan Sessums	Bill to: (if different)	Dale Woodall
Company Name:	NTG Environmental	Company Name:	Devon
Address:	209 W McKay St	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	432-701-2159	Email:	esessums@ntglobal.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> upfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:		Cotton Draw Unit #202H		Turn Around		ANALYSIS REQUEST													Preservative Codes											
Project Number:		246463		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Pres. Code															None: NO DI Water: H ₂ O									
Project Location		Eddy Co. NM		Due Date: 24 00 hr																	Cool: Cool MeOH: Me									
Sampler's Name		Kellan Smith		TAT starts the day received by the lab, if received by 4:30pm																	HCL: HC HNO ₃ : HN									
PO #		21307709																			H ₂ SO ₄ : H ₂ NaOH: Na									
SAMPLE RECEIPT				Temp Blank		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>															H ₃ PO ₄ : HP					
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:																					NaHSO ₄ : NABIS					
Cooler Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Correction Factor:																					Na ₂ S ₂ O ₅ : NaSO ₃					
Sample Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Temperature Reading:		3.8°C																			Zn Acetate+NaOH: Zn					
Total Containers:		7		Corrected Temperature:																					NaOH+Ascorbic Acid: SAPC					
Sample Identification		Depth (ft bgs)		Date		Time		Soil		Water		Grab/ Comp		# of Cont															Sample Comments	
SW-4B		2.5-4'		4/16/2024				X				Comp		1		BTX 8021B														
SW-5B		0-4'		4/16/2024				X				Comp		1		TPH 8015M (GRO + DRO + MRO)														
SW-11		2.5-4'		4/16/2024				X				Comp		1		Chloride 4500														
SW-12		4-5'		4/16/2024				X				Comp		1																
SW-13		0-4'		4/16/2024				X				Comp		1																
SW-14		0-4'		4/16/2024				X				Comp		1																
CS-16		1.5'		4/16/2024				X				Comp		1																

Additional Comments:

(Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xencio, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xencio 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 Xencio. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xencio, but not analyzed. These terms will be enforced unless previously negotiated.)

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		4-11-21 1330			

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

May 02, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: COTTON DRAW UNIT # 202 H

Enclosed are the results of analyses for samples received by the laboratory on 04/29/24 11:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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 accredited through the State of Colorado Department of Public Health and Environment for:

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

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

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

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

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Project: COTTON DRAW UNIT # 202 H
Project Number: 248463
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
02-May-24 10:13

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW - 4 C 0 - 4'	H242266-01	Soil	29-Apr-24 00:00	29-Apr-24 11:50
SW - 5 C 0 - 4'	H242266-02	Soil	29-Apr-24 00:00	29-Apr-24 11:50
SW - 11 A 4 - 5'	H242266-03	Soil	29-Apr-24 00:00	29-Apr-24 11:50
SW - 12 A 0 - 4'	H242266-04	Soil	29-Apr-24 00:00	29-Apr-24 11:50
SW - 13 A 0 - 4'	H242266-05	Soil	29-Apr-24 00:00	29-Apr-24 11:50
SW - 14 A 1.5 - 2.5'	H242266-06	Soil	29-Apr-24 00:00	29-Apr-24 11:50
CS - 16 A 2.5'	H242266-07	Soil	29-Apr-24 00:00	29-Apr-24 11:50

05/02/24 - Client changed some sample IDs (see COC). This is the revised report and will replace the one sent on 04/30/24.

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Analytical Results For:

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

Project: COTTON DRAW UNIT # 202 H
Project Number: 248463
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
02-May-24 10:13

SW - 4 C 0 - 4'
H242266-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	4043009	HM	30-Apr-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4042920	JH	29-Apr-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4042920	JH	29-Apr-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4042920	JH	29-Apr-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4042920	JH	29-Apr-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4042920	JH	29-Apr-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			91.9 %	71.5-134		4042920	JH	29-Apr-24	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4042907	MS	29-Apr-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4042907	MS	29-Apr-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4042907	MS	29-Apr-24	8015B	
Surrogate: 1-Chlorooctane			75.1 %	48.2-134		4042907	MS	29-Apr-24	8015B	
Surrogate: 1-Chlorooctadecane			51.9 %	49.1-148		4042907	MS	29-Apr-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: COTTON DRAW UNIT # 202 H
Project Number: 248463
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
02-May-24 10:13

SW - 5 C 0 - 4'
H242266-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	4043012	AC	30-Apr-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4042920	JH	29-Apr-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4042920	JH	29-Apr-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4042920	JH	29-Apr-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4042920	JH	29-Apr-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4042920	JH	29-Apr-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			90.6 %		71.5-134	4042920	JH	29-Apr-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4042907	MS	29-Apr-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4042907	MS	29-Apr-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4042907	MS	29-Apr-24	8015B	

Surrogate: 1-Chlorooctane			92.5 %		48.2-134	4042907	MS	29-Apr-24	8015B	
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Surrogate: 1-Chlorooctadecane			64.5 %		49.1-148	4042907	MS	29-Apr-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: COTTON DRAW UNIT # 202 H
Project Number: 248463
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
02-May-24 10:13

SW - 11 A 4 - 5'
H242266-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	4043012	AC	30-Apr-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4042920	JH	29-Apr-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4042920	JH	29-Apr-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4042920	JH	29-Apr-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4042920	JH	29-Apr-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4042920	JH	29-Apr-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			91.2 %		71.5-134	4042920	JH	29-Apr-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4042907	MS	29-Apr-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4042907	MS	29-Apr-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4042907	MS	29-Apr-24	8015B	

Surrogate: 1-Chlorooctane			98.6 %		48.2-134	4042907	MS	29-Apr-24	8015B	
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Surrogate: 1-Chlorooctadecane			69.8 %		49.1-148	4042907	MS	29-Apr-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: COTTON DRAW UNIT # 202 H
Project Number: 248463
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
02-May-24 10:13

SW - 12 A 0 - 4'**H242266-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	4043012	AC	30-Apr-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4042920	JH	29-Apr-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4042920	JH	29-Apr-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4042920	JH	29-Apr-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4042920	JH	29-Apr-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4042920	JH	29-Apr-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			92.2 %		71.5-134	4042920	JH	29-Apr-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4042907	MS	29-Apr-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4042907	MS	29-Apr-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4042907	MS	29-Apr-24	8015B	

Surrogate: 1-Chlorooctane			100 %		48.2-134	4042907	MS	29-Apr-24	8015B	
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Surrogate: 1-Chlorooctadecane			70.2 %		49.1-148	4042907	MS	29-Apr-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: COTTON DRAW UNIT # 202 H
Project Number: 248463
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
02-May-24 10:13

SW - 13 A 0 - 4'**H242266-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	4043012	AC	30-Apr-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4042920	JH	29-Apr-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4042920	JH	29-Apr-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4042920	JH	29-Apr-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4042920	JH	29-Apr-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4042920	JH	29-Apr-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			92.0 %		71.5-134	4042920	JH	29-Apr-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4042907	MS	29-Apr-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4042907	MS	29-Apr-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4042907	MS	29-Apr-24	8015B	

Surrogate: 1-Chlorooctane			91.1 %		48.2-134	4042907	MS	29-Apr-24	8015B	
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Surrogate: 1-Chlorooctadecane			64.4 %		49.1-148	4042907	MS	29-Apr-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: COTTON DRAW UNIT # 202 H
Project Number: 248463
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
02-May-24 10:13

SW - 14 A 1.5 - 2.5'**H242266-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	4043012	AC	30-Apr-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4042920	JH	29-Apr-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4042920	JH	29-Apr-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4042920	JH	29-Apr-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4042920	JH	29-Apr-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4042920	JH	29-Apr-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			91.3 %		71.5-134	4042920	JH	29-Apr-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4042907	MS	30-Apr-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4042907	MS	30-Apr-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4042907	MS	30-Apr-24	8015B	

Surrogate: 1-Chlorooctane			101 %		48.2-134	4042907	MS	30-Apr-24	8015B	
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Surrogate: 1-Chlorooctadecane			74.1 %		49.1-148	4042907	MS	30-Apr-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Project: COTTON DRAW UNIT # 202 H
Project Number: 248463
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
02-May-24 10:13

CS - 16 A 2.5'
H242266-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	4043014	HM	30-Apr-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4042920	JH	29-Apr-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4042920	JH	29-Apr-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4042920	JH	29-Apr-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4042920	JH	29-Apr-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4042920	JH	29-Apr-24	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			91.9 %	71.5-134		4042920	JH	29-Apr-24	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4042907	MS	30-Apr-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4042907	MS	30-Apr-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4042907	MS	30-Apr-24	8015B	
Surrogate: 1-Chlorooctane			105 %	48.2-134		4042907	MS	30-Apr-24	8015B	
Surrogate: 1-Chlorooctadecane			77.4 %	49.1-148		4042907	MS	30-Apr-24	8015B	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: COTTON DRAW UNIT # 202 H
Project Number: 248463
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
02-May-24 10:13

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4043009 - 1:4 DI Water**Blank (4043009-BLK1)**

Prepared & Analyzed: 30-Apr-24

Chloride	ND	16.0	mg/kg							
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LCS (4043009-BS1)

Prepared & Analyzed: 30-Apr-24

Chloride	432	16.0	mg/kg	400		108	80-120			
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LCS Dup (4043009-BSD1)

Prepared & Analyzed: 30-Apr-24

Chloride	400	16.0	mg/kg	400		100	80-120	7.69	20	
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Batch 4043012 - 1:4 DI Water**Blank (4043012-BLK1)**

Prepared & Analyzed: 30-Apr-24

Chloride	ND	16.0	mg/kg							
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LCS (4043012-BS1)

Prepared & Analyzed: 30-Apr-24

Chloride	448	16.0	mg/kg	400		112	80-120			
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LCS Dup (4043012-BSD1)

Prepared & Analyzed: 30-Apr-24

Chloride	448	16.0	mg/kg	400		112	80-120	0.00	20	
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Batch 4043014 - 1:4 DI Water**Blank (4043014-BLK1)**

Prepared & Analyzed: 30-Apr-24

Chloride	ND	16.0	mg/kg							
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LCS (4043014-BS1)

Prepared & Analyzed: 30-Apr-24

Chloride	416	16.0	mg/kg	400		104	80-120			
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Analytical Results For:

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

Project: COTTON DRAW UNIT # 202 H
Project Number: 248463
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
02-May-24 10:13

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4043014 - 1:4 DI Water**LCS Dup (4043014-BSD1)**

Prepared & Analyzed: 30-Apr-24

Chloride	400	16.0	mg/kg	400		100	80-120	3.92	20	
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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: COTTON DRAW UNIT # 202 H
Project Number: 248463
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
02-May-24 10:13

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4042920 - Volatiles**Blank (4042920-BLK1)**

Prepared & Analyzed: 29-Apr-24

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		90.8	71.5-134			

LCS (4042920-BS1)

Prepared & Analyzed: 29-Apr-24

Benzene	2.20	0.050	mg/kg	2.00		110	82.8-130			
Toluene	2.13	0.050	mg/kg	2.00		107	86-128			
Ethylbenzene	2.07	0.050	mg/kg	2.00		104	85.9-128			
m,p-Xylene	4.04	0.100	mg/kg	4.00		101	89-129			
o-Xylene	2.02	0.050	mg/kg	2.00		101	86.1-125			
Total Xylenes	6.07	0.150	mg/kg	6.00		101	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0455		mg/kg	0.0500		90.9	71.5-134			

LCS Dup (4042920-BSD1)

Prepared & Analyzed: 29-Apr-24

Benzene	2.09	0.050	mg/kg	2.00		104	82.8-130	5.47	15.8	
Toluene	2.02	0.050	mg/kg	2.00		101	86-128	5.22	15.9	
Ethylbenzene	1.98	0.050	mg/kg	2.00		98.9	85.9-128	4.58	16	
m,p-Xylene	3.85	0.100	mg/kg	4.00		96.3	89-129	4.84	16.2	
o-Xylene	1.94	0.050	mg/kg	2.00		96.8	86.1-125	4.42	16.7	
Total Xylenes	5.79	0.150	mg/kg	6.00		96.5	88.2-128	4.70	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0455		mg/kg	0.0500		90.9	71.5-134			

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Analytical Results For:

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

Project: COTTON DRAW UNIT # 202 H
Project Number: 248463
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
02-May-24 10:13

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4042907 - General Prep - Organics**Blank (4042907-BLK1)**

Prepared & Analyzed: 29-Apr-24

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	40.6		mg/kg	50.0		81.3	48.2-134			
Surrogate: 1-Chlorooctadecane	25.2		mg/kg	50.0		50.4	49.1-148			

LCS (4042907-BS1)

Prepared & Analyzed: 29-Apr-24

GRO C6-C10	201	10.0	mg/kg	200		101	66.4-123			
DRO >C10-C28	196	10.0	mg/kg	200		97.9	66.5-118			
Total TPH C6-C28	397	10.0	mg/kg	400		99.3	77.6-123			
Surrogate: 1-Chlorooctane	44.4		mg/kg	50.0		88.9	48.2-134			
Surrogate: 1-Chlorooctadecane	32.4		mg/kg	50.0		64.8	49.1-148			

LCS Dup (4042907-BSD1)

Prepared & Analyzed: 29-Apr-24

GRO C6-C10	209	10.0	mg/kg	200		104	66.4-123	3.46	17.7	
DRO >C10-C28	204	10.0	mg/kg	200		102	66.5-118	4.20	21	
Total TPH C6-C28	413	10.0	mg/kg	400		103	77.6-123	3.83	18.5	
Surrogate: 1-Chlorooctane	45.9		mg/kg	50.0		91.7	48.2-134			
Surrogate: 1-Chlorooctadecane	30.3		mg/kg	50.0		60.6	49.1-148			

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Notes and Definitions

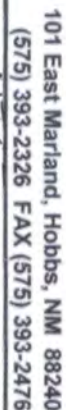
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 341873

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 341873
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2406036995
Incident Name	NAPP2406036995 COTTON DRAW UNIT #202H @ 30-015-41437
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-41437] COTTON DRAW UNIT #202H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	COTTON DRAW UNIT #202H
Date Release Discovered	02/28/2024
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water 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 for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Other (Specify) Produced Water Released: 10 BBL Recovered: 0 BBL Lost: 10 BBL.
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)	LACT Unit failed. Result was a 10 bbls produced water spill on pad. Equipment was isolated to stop leak. No recovered water as it had absorbed into the ground.

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

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District III

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District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 2

Action 341873

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	341873
	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. 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 safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	False
If all the actions described above have not been undertaken, explain why	spilled fluids had soaked into the ground before vacuum trucks were dispatched.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmv.com Date: 05/08/2024
--	--

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

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Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 3

Action 341873

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 341873
	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 approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	10900
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	54930
GRO+DRO	(EPA SW-846 Method 8015M)	45330
BTEX	(EPA SW-846 Method 8021B or 8260B)	316
Benzene	(EPA SW-846 Method 8021B or 8260B)	20

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	03/20/2024
On what date will (or did) the final sampling or liner inspection occur	05/06/2024
On what date will (or was) the remediation complete(d)	05/06/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	2589
What is the estimated volume (in cubic yards) that will be remediated	290

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

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

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QUESTIONS, Page 4

Action 341873

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 341873
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>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.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(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	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>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>	
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.	
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 05/08/2024
<i>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.</i>	

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QUESTIONS, Page 5

Action 341873

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	341873
	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

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QUESTIONS, Page 6

Action 341873

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:
	6137
	Action Number:
	341873
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	337140
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/29/2024
What was the (estimated) number of samples that were to be gathered	7
What was the sampling surface area in square feet	3500

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	3100
What was the total volume (cubic yards) remediated	363
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	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	see report

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.

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 05/08/2024
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QUESTIONS, Page 7

Action 341873

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:
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	Action Number:
	341873
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

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

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CONDITIONS

Action 341873

CONDITIONS

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[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

CONDITIONS

Created By	Condition	Condition Date
scwells	None	5/8/2024