



CLOSURE VARIANCE REPORT

Ross Draw Unit #034

Eddy County, New Mexico

Incident Number nAPP2326833391

Prepared For:

WPX Energy Permian, LLC

5315 Buena Vista Dr.

Carlsbad, NM 88220

Carlsbad • Midland • San Antonio • Lubbock • Hobbs • Lafayette

SYNOPSIS

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of WPX Energy Permian, LLC (WPX), presents the following Closure Variance Report (CVR) detailing delineation and excavation activities and subsequent soil sampling events associated with an inadvertent release of crude oil and produced water at the Ross Draw Unit #034 (Site). Based on completed remedial actions and laboratory analytical results from recent soil sampling events, WPX is requesting No Further Action (NFA) for Incident Number nAPP2326833391 and to postpone final remediation until the Site undergoes major deconstruction or plugging and abandonment (P&A) activities.

SITE LOCATION AND RELEASE BACKGROUND

The Site is located in Unit D, Section 22, Township 26 South, Range 30 East, in Eddy County, New Mexico (32.0336418, -103.8763428) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM) (**Figure 1 in Appendix A**).

On September 14, 2023, it was discovered that a stainless-steel production line kinked and developed a pinhole leak causing a release of approximately 5 barrels (bbls) of crude oil and 20 bbls of produced water onto the well pad surface and adjacent southwestern pasture. A vacuum truck was dispatched to the Site and recovered approximately 4 bbls of crude oil. Following discovery, Etech mapped the observed release footprint, hereafter referred to as the Area of Concern (AOC) (**Figure 2 in Appendix A**), utilizing a handheld Geospatial Positioning System (GPS) receiver. Initial response efforts included a surface scrape at the Site to mitigate immediate impacts. WPX immediately reported the release to Mike Bratcher and Rosa Romero from the New Mexico Oil Conservation Division (NMOCD) via email on September 15, 2023, and on a Release Notification and Corrective Action Form C-141 (Form C-141) on September 29, 2023. The release was assigned Incident Number nAPP2326833391.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

Etech characterized the Site according to Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC) considering depth to groundwater and the proximity to:

- Any continuously flowing watercourse or any other significant watercourse;
- Any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark);
- An occupied permanent residence, school, hospital, institution or church;
- A spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes;
- Any freshwater well or spring;
- Incorporated municipal boundaries or a defined municipal fresh water well field covered under a municipal ordinance;
- A wetland;
- A subsurface mine;
- An unstable area (i.e. high karst potential); and
- A 100-year floodplain.

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs), based off a nearby soil boring advanced by Talon LPE on behalf of WPX, located approximately 0.37 miles southeast of the Site on the Ross Draw Unit #38 well pad. Soil boring (MW-1) was advanced on December 8, 2020, via a truck mounted drill rig equipped with a hollow stem auger to a total depth of 105 feet bgs. No fluids were observed throughout the drilling process nor after a 72-hour observation period. Following the observation period, the boring was plugged and abandoned according to the appropriate

regulations. The well log for the referenced soil boring is provided in **Appendix B**. The soil boring location and other nearby soil borings and/or regional groundwater well locations are shown in **Figure 1A** in **Appendix A**. All wells referenced within 0.5 mile were dry borings. No water wells existed within 1.0 mile of the Site.

All other potential receptors are not within the established buffers in NMAC 19.15.29.12. Receptor details and sources used to determine the site characterization are included in **Figure 1B** and **Figure 1C** in **Appendix A**.

Based on the results from the desktop review and estimated regional depth to groundwater at the Site, the following Closure Criteria was applied:

Constituents of Concern (COCs)	Laboratory Analytical Method	Closure Criteria [†]
Chloride	Environmental Protection Agency (EPA) 300.0	20,000 milligram per kilogram (mg/kg)
Total Petroleum Hydrocarbon (TPH)	EPA 8015 M/D	2,500 mg/kg
TPH-Gasoline Range Organics (GRO) + TPH-Diesel Range Organics (DRO)	EPA 8021B	1,000 mg/kg
Benzene	EPA 8021B	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA 8021B	50 mg/kg

[†]The reclamation concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH apply to the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13.

DELINEATION SOIL SAMPLING ACTIVITIES

From September 28 through October 13, 2023, Etech conducted delineation activities to assess the presence or absence of residual soil impacts associated with the AOC. Fifteen delineation potholes (PH01 through PH15) were advanced via hand auger and/or mechanical equipment within and surrounding the AOC. Delineation activities were driven by field screening soil for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. A total of two samples were collected from each delineation sampling location, representing the highest observed field screening concentrations and the greatest depth. Field screening results and soil descriptions are included on soil sampling logs shown in **Appendix C**. The delineation soil sample locations are shown in **Figure 2** in **Appendix A**. Photographic documentation of delineation activities is included in **Appendix D**.

Delineation soil samples were placed directly into lab provided pre-cleaned glass jars, packaged with minimal void space, labeled, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures, to Envirotech, Inc Laboratories (Envirotech) in Farmington, New Mexico, for analysis of COCs.

DELINEATION LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all of the delineation soil samples indicated that chloride concentrations were below the Site Closure Criteria, however, chloride concentrations at delineation soil sampling locations PH01 through PH05 and PH07 exceeded the reclamation standard within the top 4 feet bgs. Elevated chloride concentrations are characterized by concentrations ranging from 1,170 mg/kg to 10,000 mg/kg.

Laboratory analytical results for all delineation soil samples indicated BTEX and TPH concentrations were below the applicable Site Closure Criteria and/or reclamation standard. Laboratory analytical results are

summarized in **Table 1** included in **Appendix E**. The executed chain-of-custody forms and laboratory analytical reports are provided in **Appendix F**.

EXCAVATION SOIL SAMPLING ACTIVITIES

On November 20, 2023, excavation activities were performed via mechanical equipment to address residual impacts in areas to be immediately reclaimed following remediation, according to the application of the reclamation standards to the delineation soil sampling laboratory analytical results. Excavation activities were advanced within the vicinity of the PH05 location and further directed by field screening for VOCs and chloride, as previously described.

Following the removal of soil, Etech collected 5-point composite soil sample (FS01) and sidewall samples (SW01 and SW02) at a sampling frequency of 200 square feet from the excavation floor and sidewalls. The 5-point composite soil samples were comprised of five equivalent aliquots homogenized in a 1-gallon, resealable plastic bag. The samples were then handled and analyzed for COC's as previously described.

Impacted soil removed from the Site was transported to R360 Red Bluff in Orla, Texas under WPX approved manifests. Upon receipt of the final confirmation excavation soil samples results, the excavation was backfilled with clean, locally sourced soil and the Site was restored to "as close to its original state" as possible. The locations of confirmation excavation soil samples are shown in **Figure 3** in **Appendix A**. Photographic documentation of excavation and restoration activities is included in **Appendix D**.

EXCAVATION LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all final confirmation excavation soil samples indicated all analyzed COCs were below the applicable Site Closure Criteria and/or reclamation standard. Laboratory analytical results are summarized in **Table 1** included in **Appendix E**. The executed chain-of-custody forms and laboratory analytical reports are provided in **Appendix F**.

CLOSURE VARIANCE REQUEST

Laboratory analytical results associated with delineation activities for the inadvertent release have verified the absence of residual impacts as per Site Closure Criteria, as well as defined the horizontal periphery of the AOC. Due to the active status of the well pad where the inadvertent release occurred, the top 4 feet of the AOC associated with PH01 through PH04 and PH07 are not ready to undergo complete reclamation in which the primary purpose is to reestablish vegetation. Since depth to groundwater at the Site is estimated to be greater than 100 feet bgs and there are no sensitive receptors within the established buffers in NMAC 19.15.29.12, WPX believes leaving soil in place with chloride concentrations exceeding the reclamation standard but below the Site Closure Criteria is equally protective of human health, the environment, and groundwater. WPX will reassess the Site during P&A activities and address those soil concentrations above the reclamation requirements of 600 mg/kg chloride and 100 mg/kg TPH. WPX estimates approximately 1,135 cubic yards of soil associated with PH01 through PH04 and PH07 to be removed during P&A. The final remediation will be confirmed via excavation confirmation sampling and is subject to change. The proposed future restoration area is depicted on **Figure 3** in **Appendix A**. As such, NFA appears warranted at this time and the CVR associated with Incident Number nAPP2326833391 should be respectfully considered for a variance by the NMOCD until P&A activities.

If you have any questions or comments, please do not hesitate to contact Joseph Hernandez at (281) 702-2329 or joseph@etechenv.com or Erick Herrera (281) 777-4152 or erick@etechenv.com. **Appendix G** provides correspondence email notification receipts associated with the subject release.

Sincerely,

Closure Variance Report
Incident Number nAPP2326833391
Ross Draw Unit #034

Etech Environmental and Safety Solutions, Inc.



Erick Herrera
Staff Geologist



Joseph S. Hernandez
Senior Managing Geologist

cc: Jim Raley, WPX
New Mexico Oil Conservation Division
Bureau of Land Management

Appendices:

Appendix A: Figure 1: Site Map

Figure 1A: Site Characterization Map – Groundwater

Figure 1B: Site Characterization Map – Surficial Receptors

Figure 1C: Site Characterization Map – Subsurface Receptors

Figure 2: Delineation Soil Sample Locations

Figure 3: Excavation Soil Sample Locations

Figure 4: Future Restoration Areas

Appendix B: Referenced Well Records

Appendix C: Soil Sampling Logs

Appendix D: Photographic Log

Appendix E: Tables

Appendix F: Laboratory Analytical Reports & Chain-of-Custody Documentation

Appendix G: NMOCD Notifications

APPENDIX A

Figures

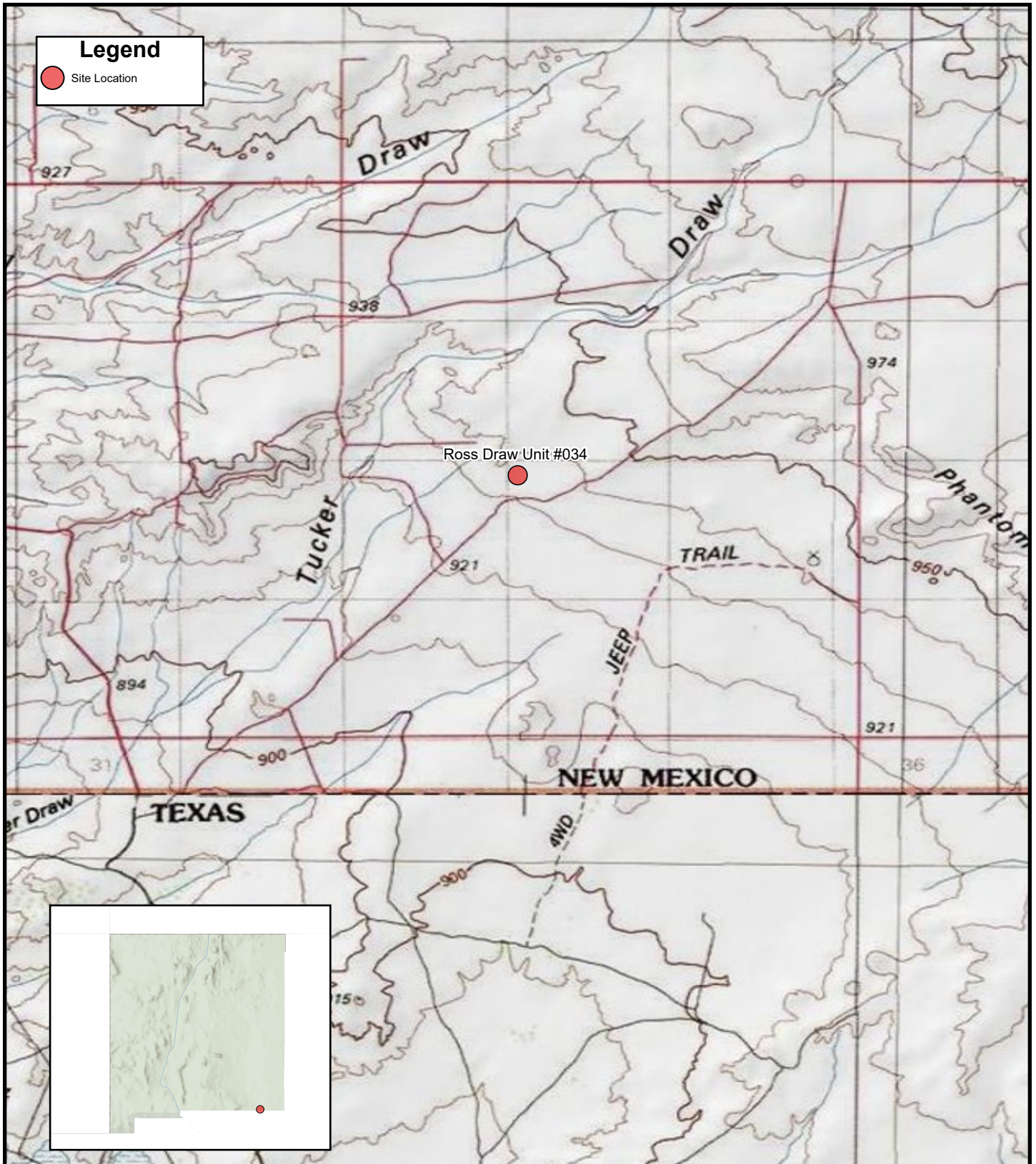
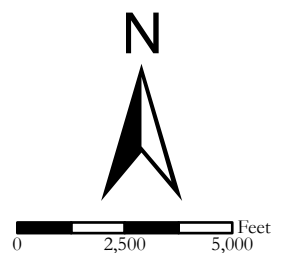


FIGURE 1

Site Location Map

WPX ENERGY PERMIAN, LLC
Ross Draw Unit #034
Unit D Sec 22 T26S R30E
Eddy County, New Mexico

eTECH



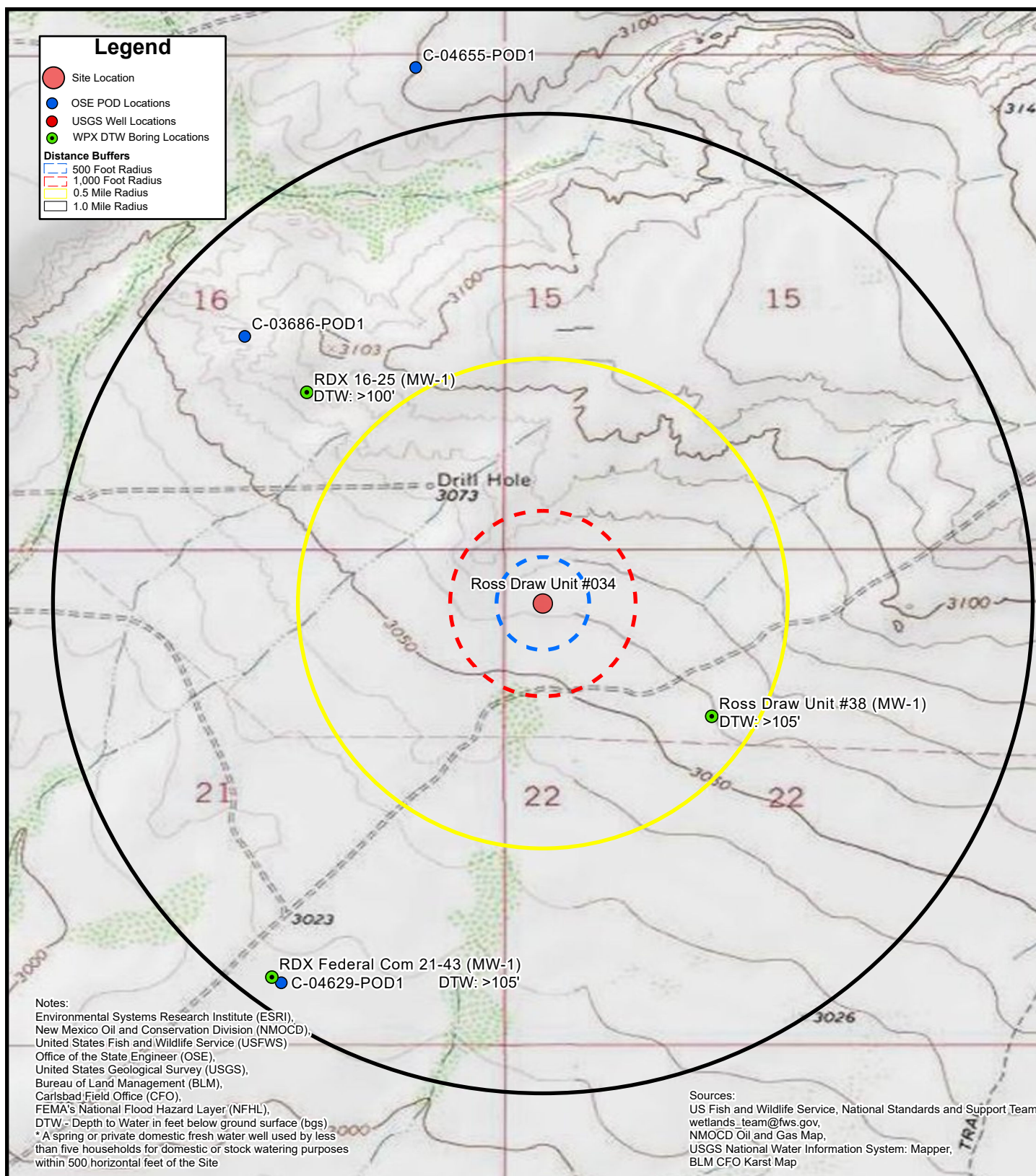
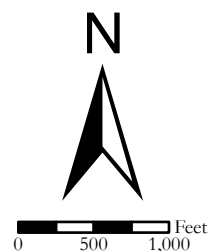


FIGURE 1A
**Site Characterization Map
 Groundwater**

WPX ENERGY PERMIAN, LLC
 Ross Draw Unit #034
 Unit D Sec 22 T26S R30E
 Eddy County, New Mexico

eTECH



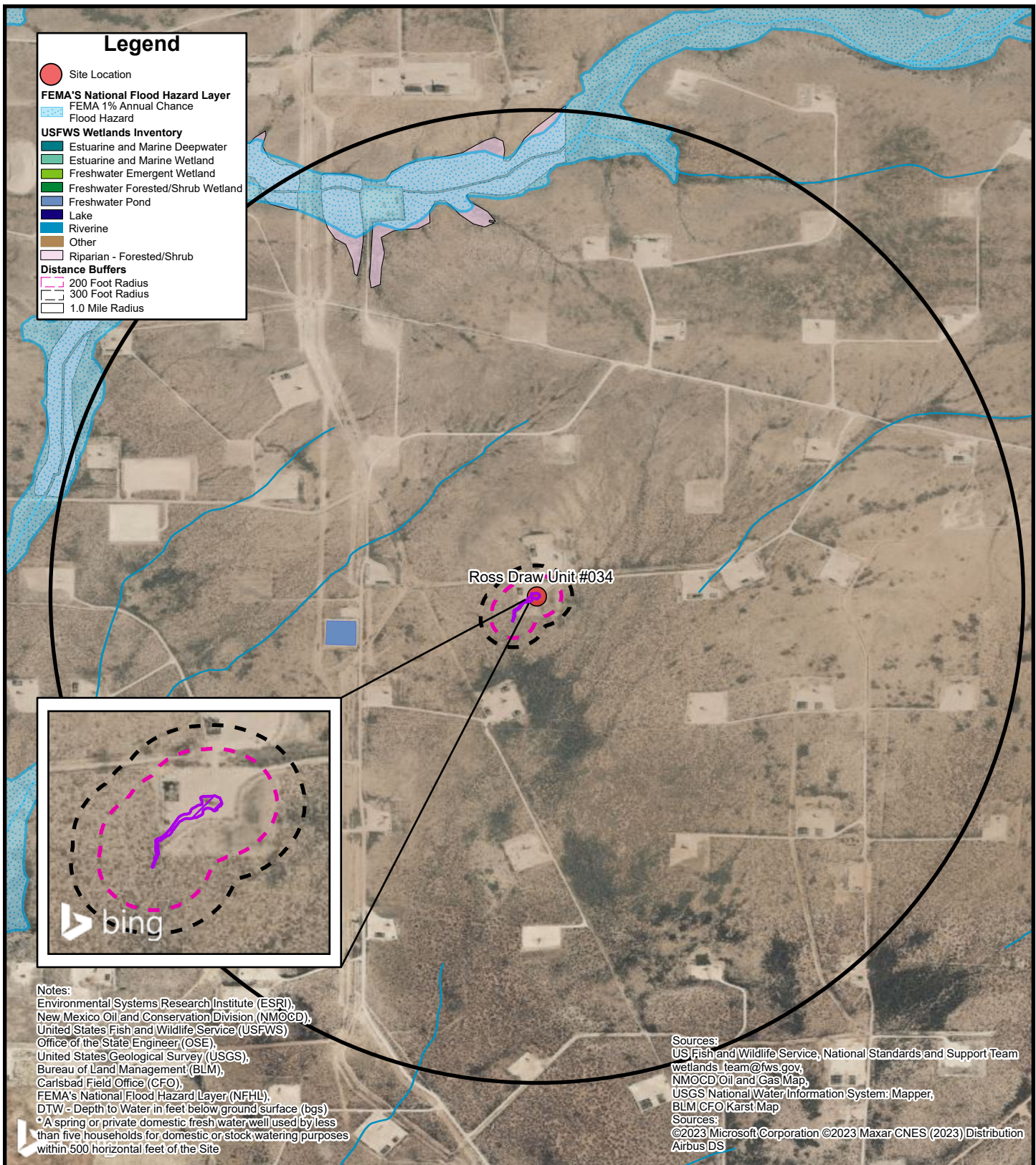
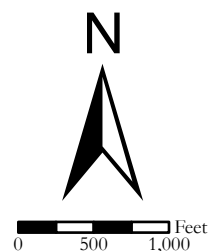
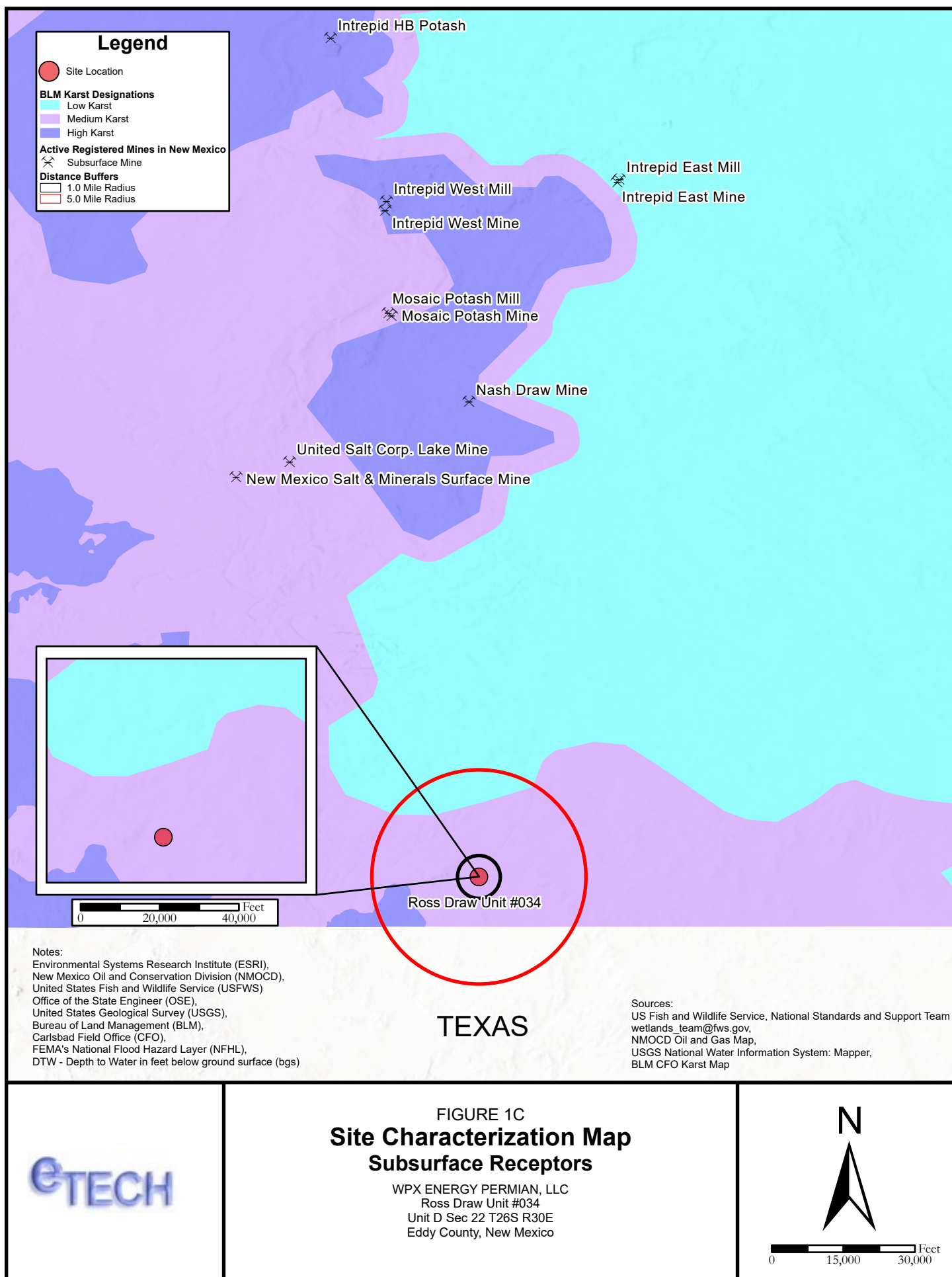


FIGURE 1B
**Site Characterization Map
 Surficial Receptors**

WPX ENERGY PERMIAN, LLC
 Ross Draw Unit #034
 Unit D Sec 22 T26S R30E
 Eddy County, New Mexico





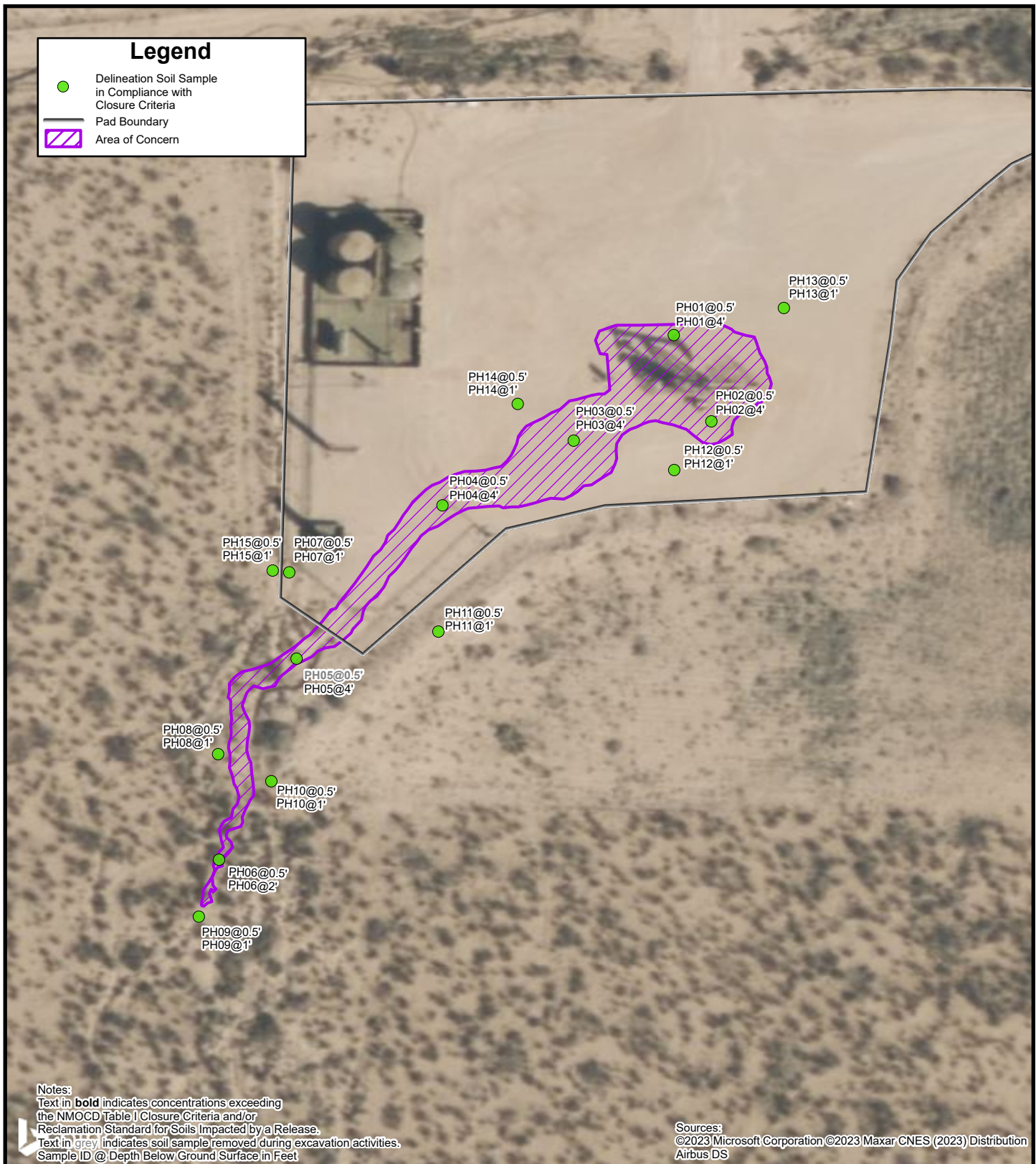


FIGURE 2

Delineation Soil Sample Locations

WPX ENERGY PERMIAN, LLC
 Ross Draw Unit #034
 Unit D Sec 22 T26S R30E
 Eddy County, New Mexico

eTECH



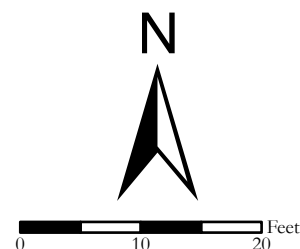
0 40 80 Feet



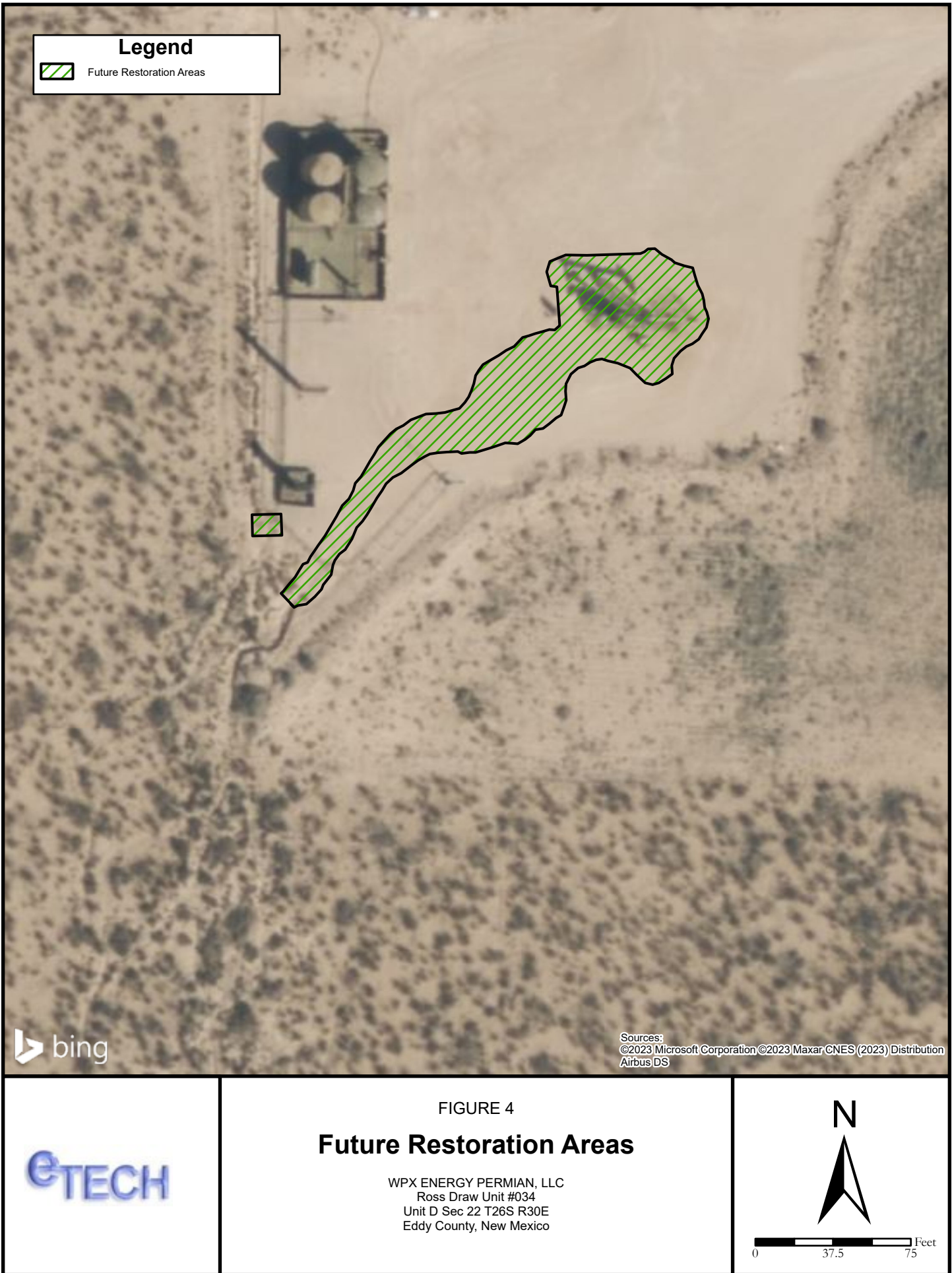
FIGURE 3

Excavation Soil Sample Locations

WPX ENERGY PERMIAN, LLC
Ross Draw Unit #034
Unit D Sec 22 T26S R30E
Eddy County, New Mexico




eTECH



APPENDIX B

Referenced Well Records

 HRL COMPLIANCE SOLUTIONS							BORING LOG/MONITORING WELL COMPLETION DIAGRAM						
							Boring/Well Number: MW-1			Location: Ross Draw Unit #38			
							Date: 12/8/2020			Client: WPX Energy			
Drilling Method: Air Rotary			Sampling Method: None				Logged By: J. Linn, PG			Drilled By: Talon LPE			
Gravel Pack Type: 10/20 Sand			Gravel Pack Depth Interval: 3 Bags				Seal Type: None		Seal Depth Interval: None		Latitude: 32.030300		
Casing Type: PVC		Diameter: 2-inch		Depth Interval: 0-100 feet bgs			Boring Total Depth (ft. BGS): 105			Longitude: -103.871338			
Screen Type: PVC		Slot: 0.010-inch		Diameter: 2-inch		Depth Interval: 100-105 ft		Well Total Depth (ft. BGS): 105			Depth to Water (ft. BTOC): > 105		
											DTW Date: 12/16/2020		
Depth Interval (ft)	Recovery (ft)	Plasticity	Moisture	Odor	Staining	PID (ppm)	USCS	Sample ID	Lithology/Remarks			Well Completion	
0	NM	L	D	N	N	NM	SW	NS	Pale orange/pale pink to buff colored fine sand with minor medium and coarse sand				
5													
10													
15													
20	NM	L	D	N	N	NM	SP	NS	Pale orange/pale pink poorly graded fine sand				
25													
30													
35	NM	L	D	N	N	NM	SP	NS	Tan/pale brown/pale orange poorly graded fine sand				
40													
45													
50													
55													
60													
65	NM	L	D	N	N	NM	SP	NS	Brick red brown poorly graded fine sand				
70													
75													
80													
85													
90													
95	NM	L	D	N	N	NM	SP	NS	Tan/pale brown/pale orange poorly graded fine sand - TD 105' BGS				
100													

APPENDIX C

Soil Sampling Logs



Sample Name: PH01

Date: 09/28/2023

Site Name: Ross Draw Unit #034

Incident Number: nAPP2326833391

Job Number: 19049

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: EK

Method: Backhoe

Site Coordinates: 32.0336418, -103.8763428


Hole Diameter: N/A

Total Depth: 4'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	3,092	0.3	No	PH01	0 0.5	0	CCHE	(0-2') CALICHE, dry, tan, fine to coarse grain, some gravel, with trace silt, no stain, no odor.
Dry	1,828	0	No		1	1		(2-4') SAND, dry, tan to light brown, well graded with silt, fine to coarse grain, trace gravel, no stain, no odor.
Dry	1,628	0	No		2	2	SW-SM	
						3		
Dry	396	0	No	PH01	4	4		

Total depth: 4 feet bgs.

					Sample Name: PH02		Date: 09/28/2023	
					Site Name: Ross Draw Unit #034			
					Incident Number: nAPP2326833391			
					Job Number: 19049			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: EK		Method: Backhoe	
Site Coordinates: 32.0336418, -103.8763428					Hole Diameter: N/A		Total Depth: 4'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	10,972	0.4	No	PH02	0.5	0	CCHE	(0-2') CALICHE, dry, tan, fine to coarse grain, some gravel, trace silt, no stain, no odor.
Dry	3,548	0	No		1	1		(2-4') SAND, dry, tan to light brown, well graded with silt, fine to coarse grain, trace gravel, no stain, no odor.
Dry	<112	0	No		2	2	SW-SM	
						3		
Dry	<112	0	No	PH02	4	4		
Total depth: 4 feet bgs.								



Sample Name: PH03

Date: 09/28/2023

Site Name: Ross Draw Unit #034

Incident Number: nAPP2326833391

Job Number: 19049

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: EK

Method: Backhoe

Site Coordinates: 32.0336418, -103.8763428

Hole Diameter: N/A

Total Depth: 4'

Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	1,232	0.2	No	PH03	0.5	0	CCHE	(0-2') CALICHE, dry, tan, fine to coarse grain, some gravel, trace silt, no stain, no odor.
Dry	1,232	0.3	No		1	1		(2-4') SAND, dry, tan to light brown, well graded with silt, fine to coarse grain, trace gravel, no stain, no odor.
Dry	192	0	No		2	2	SW-SM	
						3		
Dry	192	0	No	PH03	4	4		

Total depth: 4 feet bgs.



Sample Name: PH04

Date: 09/28/2023

Site Name: Ross Draw Unit #034

Incident Number: nAPP2326833391

Job Number: 19049

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: EK

Method: Backhoe

Site Coordinates: 32.0336418, -103.8763428


Hole Diameter: N/A


Total Depth: 4'


Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.


Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	6,832	0.1	No	PH04	0 0.5	0	CCHE	(0-2') CALICHE, dry, tan, fine to coarse grain, some gravel, trace silt, no stain, no odor.
Dry	1,232	0.1	No		1	1		(2-4') SAND, dry, tan to light brown, well graded with silt, fine to coarse grain, trace gravel, no stain, no odor.
Dry	1,232	0	No		2	2	SW-SM	
						3		
Dry	<112	0	No	PH04	4	4		


Total depth: 4 feet bgs.


					Sample Name: PH05		Date: 09/28/2023	
					Site Name: Ross Draw Unit #034			
					Incident Number: nAPP2326833391			
					Job Number: 19049			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: EK		Method: Backhoe	
Site Coordinates: 32.0336418, -103.8763428					Hole Diameter: N/A		Total Depth: 4'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	1,744	0.1	No	PH05	0	0	SW-SM	(0-4') SAND, dry, tan to light brown, fine to coarse grain, trace silt, some gravel, no stain, no odor.
Dry	7,992	0	No		1	1		(2-4') SAND, dry, tan to light brown, well graded with silt, fine to coarse grain, trace gravel, no stain, no odor.
Dry	14,120	0	No		2	2		
						3		
Dry	3,092	0	No	PH05	4	4		
Total depth: 4 feet bgs.								


					Sample Name: PH06		Date: 09/28/2023	
					Site Name: Ross Draw Unit #034			
					Incident Number: nAPP2326833391			
					Job Number: 19049			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: EK		Method: Backhoe	
Site Coordinates: 32.0336418, -103.8763428					Hole Diameter: N/A		Total Depth: 2'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<112	0	No	PH06	0 0.5	0 0.5	SW-SM	(0-2') SAND, dry, tan to light brown, well graded with silt, fine to coarse grain, trace gravel, no stain, no odor.
Dry	<112	0	No	PH06	2	2		
Total Depth: 2 feet bgs.								


					Sample Name: PH07		Date: 09/28/2023	
					Site Name: Ross Draw Unit #034			
					Incident Number: nAPP2326833391			
					Job Number: 19049			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: EK		Method: Backhoe	
Site Coordinates: 32.0336418, -103.8763428					Hole Diameter: N/A		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<112	0	No	PH07	0 0.5	0 0.5	SP-SM	(0-1') SAND, dry, tan to light brown, very fine to fine grain, with trace silt, no stain, no odor.
Dry	<112	0	No	PH07	1	1		
Total Depth: 1 foot bgs.								


					Sample Name: PH08		Date: 09/28/2023	
					Site Name: Ross Draw Unit #034			
					Incident Number: nAPP2326833391			
					Job Number: 19049			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: EK		Method: Backhoe	
Site Coordinates: 32.0336418, -103.8763428					Hole Diameter: N/A		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	112	0	No	PH08	0 0.5	0 0.5	SP-SM	(0-1') SAND, dry, tan to light brown, very fine to fine grain, with trace silt, no stain, no odor.
Dry	<112	0	No	PH08	1	1		
Total Depth: 1 foot bgs.								


					Sample Name: PH09		Date: 09/28/2023	
					Site Name: Ross Draw Unit #034			
					Incident Number: nAPP2326833391			
					Job Number: 19049			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: EK		Method: Backhoe	
Site Coordinates: 32.0336418, -103.8763428					Hole Diameter: N/A		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<112	0	No	PH09	0 0.5	0 0.5	SP-SM	(0-1') SAND, dry, tan to light brown, very fine to fine grain, with trace silt, no stain, no odor.
Dry	<112	0	No	PH09	1	1		
Total Depth: 1 foot bgs.								


					Sample Name: PH10		Date: 09/28/2023	
					Site Name: Ross Draw Unit #034			
					Incident Number: nAPP2326833391			
					Job Number: 19049			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: EK		Method: Backhoe	
Site Coordinates: 32.0336418, -103.8763428					Hole Diameter: N/A		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<112	0	No	PH10	0 0.5	0 0.5	SP-SM	(0-1') SAND, dry, tan to light brown, very fine to fine grain, with trace silt, no stain, no odor.
Dry	<112	0	No	PH10	1	1		
Total Depth: 1 foot bgs.								

					Sample Name: PH11		Date: 09/28/2023	
					Site Name: Ross Draw Unit #034			
					Incident Number: nAPP2326833391			
					Job Number: 19049			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: EK		Method: Backhoe	
Site Coordinates: 32.0336418, -103.8763428					Hole Diameter: N/A		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<112	0	No	PH11	0 0.5	0 0.5	CCHE	(0-1') CALICHE, dry, tan, fine to coarse grain, some gravel, with trace silt, no stain, no odor.
Dry	<112	0	No	PH11	1	1		
Total Depth: 1 foot bgs.								

					Sample Name: PH12		Date: 09/28/2023	
					Site Name: Ross Draw Unit #034			
					Incident Number: nAPP2326833391			
					Job Number: 19049			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: EK		Method: Backhoe	
Site Coordinates: 32.0336418, -103.8763428					Hole Diameter: N/A		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<112	0	No	PH12	0 0.5	0 0.5	CCHE	(0-1') CALICHE, dry, tan, fine to coarse grain, some gravel, with trace silt, no stain, no odor.
Dry	<112	0	No	PH12	1	1		
Total Depth: 1 foot bgs.								

					Sample Name: PH13		Date: 09/28/2023	
					Site Name: Ross Draw Unit #034			
					Incident Number: nAPP2326833391			
					Job Number: 19049			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: EK		Method: Backhoe	
Site Coordinates: 32.0336418, -103.8763428					Hole Diameter: N/A		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<112	0	No	PH13	0 0.5	0 1	CCHE	(0-1') CALICHE, dry, tan, fine to coarse grain, some gravel, with trace silt, no stain, no odor.
Dry	<112	0	No	PH13	1	1		
Total Depth: 1 foot bgs.								

					Sample Name: PH14		Date: 09/28/2023	
					Site Name: Ross Draw Unit #034			
					Incident Number: nAPP2326833391			
					Job Number: 19049			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: EK		Method: Backhoe	
Site Coordinates: 32.0336418, -103.8763428					Hole Diameter: N/A		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<112	0	No	PH14	0 0.5	0 0.5	CCHE	(0-1') CALICHE, dry, tan, fine to coarse grain, some gravel, with trace silt, no stain, no odor.
Dry	<112	0	No	PH14	1	1		
Total Depth: 1 foot bgs.								

					Sample Name: PH15		Date: 10/16/2023	
					Site Name: Ross Draw Unit #034			
					Incident Number: nAPP2326833391			
					Job Number: 19049			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: EK		Method: Hand Auger	
Site Coordinates: 32.0336418, -103.8763428					Hole Diameter: N/A		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes
Dry	<112	0	No	PH15	0 0.5	0 0.5	SP-SM	(0-1') SAND, dry, tan to light brown, very fine to fine grain, with trace silt, no stain, no odor.
Dry	<112	0	No	PH15	1	1		
Total Depth: 1 foot bgs.								

APPENDIX D

Photographic Log

eTECH

PHOTOGRAPHIC LOG

WPX Energy Permian, LLC

Ross Draw Unit #034

Incident Number nAPP2326833391

Date & Time: Fri, Sep 15, 2023 at 10:12:38 MDT
 Position: +032.033617° / -103.876247° (±15.6ft)
 Altitude: 3085ft (±11.0ft)
 Datum: WGS-84
 Azimuth/Bearing: 278° N82W 4942mils True (±20°)
 Elevation Angle: -05.9°
 Horizon Angle: +01.2°
 Zoom: 0.5X
 RDU34



Date & Time: Thu, Sep 28, 2023 at 11:08:07 CDT
 Position: +032.033586° / -103.876347° (±13.0ft)
 Altitude: 3068ft (±9.8ft)
 Datum: WGS-84
 Azimuth/Bearing: 070° N70E 1244mils True (±12°)
 Elevation Angle: -10.1°
 Horizon Angle: -01.3°
 Zoom: 0.5X
 RDU34



Photograph 1

Date: 09/15/2023

Description: Northwestern view of site assessment.

Photograph 2

Date: 09/28/2023

Description: Northeastern view of delineation activities.

Date & Time: Mon, Nov 20, 2023 at 15:58:44 CST
 Position: +032.033207° / -103.876951° (±15.1ft)
 Altitude: 3054ft (±11.6ft)
 Datum: WGS-84
 Azimuth/Bearing: 017° N17E 6368mils True (±12°)
 Elevation Angle: -26.5°
 Horizon Angle: -01.5°
 Zoom: 0.5X
 RDU34



Photograph 3

Date: 11/20/2023

Description: Northeastern view of excavation activities.



Photograph 4

Date: 12/4/2023

Description: Southwestern view of restoration activities.

APPENDIX E

Tables



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
WPX Energy Permian, LLC
Ross Draw Unit #034
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples - Incident Number nAPP2326833391										
PH01	09/28/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,920
PH01	09/28/2023	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	417
PH02	09/28/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	10,000
PH02	09/28/2023	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	50.8
PH03	09/28/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,170
PH03	09/28/2023	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	107
PH04	09/28/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	8,350
PH04	09/28/2023	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	99.2
PH05	09/28/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,020
PH05	09/28/2023	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,440
PH06	09/28/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	55.8
PH06	09/28/2023	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH07	09/28/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,530
PH07	09/28/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH08	09/28/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH08	09/28/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	20.3
PH09	09/28/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH09	09/28/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	42.4
PH10	09/28/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	50.8
PH10	09/28/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	47.9
PH11	09/28/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	50.3
PH11	09/28/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	55.2
PH12	09/28/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	224
PH12	09/28/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	221
PH13	09/28/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	242
PH13	09/28/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	222
PH14	09/28/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	104
PH14	09/28/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	93.0
PH15	10/16/2023	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	61.6
PH15	10/16/2023	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	64.1



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
WPX Energy Permian, LLC
Ross Draw Unit #034
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	DRO+GRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Excavation Soil Samples - Incident Number nAPP2326833391										
FS01	11/21/2023	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW01	11/21/2023	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW02	11/21/2023	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Text in "grey" represents excavated soil samples

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria and/or Reclamation Standard † for Soils Impacted by a Release

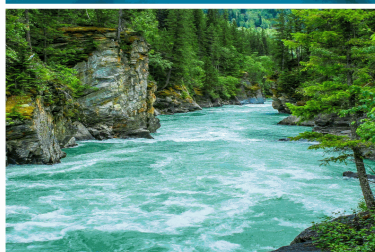
† The reclamation concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH apply to the top 4 feet of areas, to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13.

APPENDIX F

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:

Gilbert Moreno



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: ROSS DRAW UNIT #034

Work Order: E309231

Job Number: 01058-0007

Received: 9/29/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/5/23

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 10/5/23

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220



Project Name: ROSS DRAW UNIT #034
Workorder: E309231
Date Received: 9/29/2023 9:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/29/2023 9:00:00AM, under the Project Name: ROSS DRAW UNIT #034.

The analytical test results summarized in this report with the Project Name: ROSS DRAW UNIT #034 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
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Sample Summary

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/05/23 13:34

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH01 0.5'	E309231-01A	Soil	09/28/23	09/29/23	Glass Jar, 2 oz.
PH01 4'	E309231-02A	Soil	09/28/23	09/29/23	Glass Jar, 2 oz.
PH02 0.5'	E309231-03A	Soil	09/28/23	09/29/23	Glass Jar, 2 oz.
PH02 4'	E309231-04A	Soil	09/28/23	09/29/23	Glass Jar, 2 oz.
PH03 0.5'	E309231-05A	Soil	09/28/23	09/29/23	Glass Jar, 2 oz.
PH03 4'	E309231-06A	Soil	09/28/23	09/29/23	Glass Jar, 2 oz.
PH04 0.5'	E309231-07A	Soil	09/28/23	09/29/23	Glass Jar, 2 oz.
PH04 4'	E309231-08A	Soil	09/28/23	09/29/23	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: ROSS DRAW UNIT #034 Project Number: 01058-0007 Project Manager: Gilbert Moreno	Reported: 10/5/2023 1:34:03PM
--	--	----------------------------------

PH01 0.5'

E309231-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340006	
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.8 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.6 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2340042	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/04/23	
<i>Surrogate: n-Nonane</i>						
	92.6 %	50-200		10/03/23	10/04/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2340008	
Chloride	2920	40.0	2	10/02/23	10/04/23	



Sample Data

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported: 10/5/2023 1:34:03PM
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	

PH01 4'

E309231-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2340006	
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.6 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2340006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.8 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2340042	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/04/23	
<i>Surrogate: n-Nonane</i>						
	95.4 %	50-200		10/03/23	10/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2340008	
Chloride	417	400	20	10/02/23	10/04/23	



Sample Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: ROSS DRAW UNIT #034 Project Number: 01058-0007 Project Manager: Gilbert Moreno	Reported: 10/5/2023 1:34:03PM
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PH02 0.5'

E309231-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340006	
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.8 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	100 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2340042	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/04/23	
<i>Surrogate: n-Nonane</i>						
	95.4 %	50-200		10/03/23	10/04/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2340008	
Chloride	10000	400	20	10/02/23	10/04/23	



Sample Data

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported: 10/5/2023 1:34:03PM
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	

PH02 4'

E309231-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2340006	
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: 4-Bromochlorobenzene-PID	95.7 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2340006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	101 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2340042	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/04/23	
Surrogate: n-Nonane	90.9 %	50-200		10/03/23	10/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2340008	
Chloride	50.8	20.0	1	10/02/23	10/04/23	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: ROSS DRAW UNIT #034
Project Number: 01058-0007
Project Manager: Gilbert Moreno

Reported:
10/5/2023 1:34:03PM

PH03 0.5'

E309231-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340006
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.7 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2340006
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	101 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340042
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/04/23	
<i>Surrogate: n-Nonane</i>						
	93.0 %	50-200		10/03/23	10/04/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340008
Chloride	1170	20.0	1	10/02/23	10/04/23	



Sample Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: ROSS DRAW UNIT #034 Project Number: 01058-0007 Project Manager: Gilbert Moreno	Reported: 10/5/2023 1:34:03PM
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PH03 4'

E309231-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340006	
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.7 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2340006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.6 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2340042	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/04/23	
<i>Surrogate: n-Nonane</i>						
	92.9 %	50-200		10/03/23	10/04/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2340008	
Chloride	107	20.0	1	10/02/23	10/04/23	



Sample Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: ROSS DRAW UNIT #034 Project Number: 01058-0007 Project Manager: Gilbert Moreno	Reported: 10/5/2023 1:34:03PM
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PH04 0.5'

E309231-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2340006	
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: 4-Bromochlorobenzene-PID	95.0 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2340006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	100 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2340042	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/05/23	
Surrogate: n-Nonane	95.2 %	50-200		10/03/23	10/05/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2340008	
Chloride	8350	400	20	10/02/23	10/04/23	



Sample Data

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported: 10/5/2023 1:34:03PM
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	

PH04 4'

E309231-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2340006	
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: 4-Bromochlorobenzene-PID	95.9 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2340006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	101 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2340042	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/05/23	
Surrogate: n-Nonane	92.0 %	50-200		10/03/23	10/05/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2340008	
Chloride	99.2	20.0	1	10/02/23	10/04/23	



QC Summary Data

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/5/2023 1:34:03PM

Volatile Organics by EPA 8021B

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2340006-BLK1) Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.68		8.00		96.0	70-130			

LCS (2340006-BS1) Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	5.32	0.0250	5.00		106	70-130			
Ethylbenzene	5.24	0.0250	5.00		105	70-130			
Toluene	5.31	0.0250	5.00		106	70-130			
o-Xylene	5.26	0.0250	5.00		105	70-130			
p,m-Xylene	10.7	0.0500	10.0		107	70-130			
Total Xylenes	15.9	0.0250	15.0		106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.67		8.00		95.8	70-130			

Matrix Spike (2340006-MS1) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	5.23	0.0250	5.00	ND	105	54-133			
Ethylbenzene	5.16	0.0250	5.00	ND	103	61-133			
Toluene	5.22	0.0250	5.00	ND	104	61-130			
o-Xylene	5.19	0.0250	5.00	ND	104	63-131			
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131			
Total Xylenes	15.7	0.0250	15.0	ND	105	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.69		8.00		96.1	70-130			

Matrix Spike Dup (2340006-MSD1) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	5.07	0.0250	5.00	ND	101	54-133	3.18	20	
Ethylbenzene	4.99	0.0250	5.00	ND	99.7	61-133	3.51	20	
Toluene	5.05	0.0250	5.00	ND	101	61-130	3.40	20	
o-Xylene	5.03	0.0250	5.00	ND	101	63-131	3.11	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	3.49	20	
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131	3.36	20	
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.7	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/5/2023 1:34:03PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2340006-BLK1) Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.0	70-130			

LCS (2340006-BS2) Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	48.3	20.0	50.0		96.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.0	70-130			

Matrix Spike (2340006-MS2) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	55.0	20.0	50.0	ND	110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.7	70-130			

Matrix Spike Dup (2340006-MSD2) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	51.3	20.0	50.0	ND	103	70-130	6.86	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.8	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/5/2023 1:34:03PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2340042-BLK1)					Prepared: 10/03/23 Analyzed: 10/04/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.7		50.0		107	50-200			

LCS (2340042-BS1)					Prepared: 10/03/23 Analyzed: 10/04/23				
Diesel Range Organics (C10-C28)	265	25.0	250		106	38-132			
Surrogate: n-Nonane	48.6		50.0		97.3	50-200			

Matrix Spike (2340042-MS1)					Source: E309230-01		Prepared: 10/03/23 Analyzed: 10/04/23		
Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.4	38-132			
Surrogate: n-Nonane	44.4		50.0		88.8	50-200			

Matrix Spike Dup (2340042-MSD1)					Source: E309230-01		Prepared: 10/03/23 Analyzed: 10/04/23		
Diesel Range Organics (C10-C28)	254	25.0	250	ND	101	38-132	4.01	20	
Surrogate: n-Nonane	44.0		50.0		88.0	50-200			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/5/2023 1:34:03PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2340008-BLK1)					Prepared: 10/02/23 Analyzed: 10/03/23				
Chloride	ND	20.0							
LCS (2340008-BS1)					Prepared: 10/02/23 Analyzed: 10/03/23				
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2340008-MS1)					Source: E309229-01		Prepared: 10/02/23 Analyzed: 10/03/23		
Chloride	309	20.0	250	55.8	101	80-120			
Matrix Spike Dup (2340008-MSD1)					Source: E309229-01		Prepared: 10/02/23 Analyzed: 10/03/23		
Chloride	314	20.0	250	55.8	103	80-120	1.45	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/05/23 13:34

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information

Chain of Custody

Page 1 of 2

1 of 1

Client: WPX Energy Permian LLC.				Bill To		Lab Use Only						TAT				EPA Program					
Project: ROSS DRAW UNIT #034				Attention: Jim Raley		Lab WO#		Job Number				1D	2D	3D	Standard	CWA	SDWA				
Project Manager: Gilbert Moreno				Address: 5315 Buena Vista Dr.		E309231		010580007							5 day TAT						
Address: 13000 W County Rd 100				City, State, Zip: Carlsbad, NM, 88220		Analysis and Method											RCRA				
City, State, Zip: Odessa, TX, 79765				Phone: 575-885-7502		Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	State							
Phone: (832)541-7719				Email: jim.raley@dmv.com										NM	CO	UT	AZ	TX			
Email: Devon-team@etechenv.com				WO: 21225212													Remarks				
Collected by: Edyte Konan				Incident ID: nAPP2326833391																	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks							
9:00	9/28/2023	S	1	PH01	1	0.5'						X									
9:10	9/28/2023	S	1	PH01	2	4'						X									
9:20	9/28/2023	S	1	PH02	3	0.5'						X									
9:30	9/28/2023	S	1	PH02	4	4'						X									
9:40	9/28/2023	S	1	PH03	5	0.5'						X									
9:50	9/28/2023	S	1	PH03	6	4'						X									
10:00	9/28/2023	S	1	PH04	7	0.5'						X									
10:10	9/28/2023	S	1	PH04	8	4'						X									

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Relinquished by: (Signature) Edyte Konan Date 09/28/23 Time 14:00

Received by: (Signature) Michelle Gonzales Date 9-28-23 Time 1400

Relinquished by: (Signature) Michelle Gonzales Date 9-28-23 Time 1515

Received by: (Signature) [Signature] Date 9-29-23 Time 900

Relinquished by: (Signature) _____ Date _____ Time _____

Received by: (Signature) _____ Date _____ Time _____

Lab Use Only

Received on Ice: ☒ Y ☐ N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



envirotech

Envirotech Analytical Laboratory

Printed: 9/30/2023 10:50:28AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	WPX Energy - Carlsbad	Date Received:	09/29/23 09:00	Work Order ID:	E309231
Phone:	(539) 573-4018	Date Logged In:	09/29/23 12:28	Logged In By:	Alexa Michaels
Email:	devon-team@ensolum.com	Due Date:	10/05/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

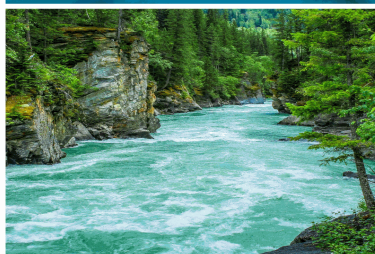
Date



envirotech Inc.

Report to:

Gilbert Moreno



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: ROSS DRAW UNIT #034

Work Order: E309230

Job Number: 01058-0007

Received: 9/29/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/5/23

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 10/5/23

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220



Project Name: ROSS DRAW UNIT #034
Workorder: E309230
Date Received: 9/29/2023 9:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/29/2023 9:00:00AM, under the Project Name: ROSS DRAW UNIT #034.

The analytical test results summarized in this report with the Project Name: ROSS DRAW UNIT #034 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
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Alexa Michaels
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Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/05/23 13:23

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH05 0.5'	E309230-01A	Soil	09/28/23	09/29/23	Glass Jar, 2 oz.
PH05 4'	E309230-02A	Soil	09/28/23	09/29/23	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: ROSS DRAW UNIT #034
Project Number: 01058-0007
Project Manager: Gilbert Moreno

Reported:
10/5/2023 1:23:35PM

PH05 0.5'

E309230-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340006
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: 4-Bromochlorobenzene-PID	95.0 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340006
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.8 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2340042
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/05/23	
Surrogate: n-Nonane	93.2 %	50-200		10/03/23	10/05/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340008
Chloride	2020	40.0	2	10/02/23	10/03/23	



Sample Data

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported: 10/5/2023 1:23:35PM
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	

PH05 4'

E309230-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RAS		Batch: 2340006	
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: 4-Bromochlorobenzene-PID	93.6 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS		Batch: 2340006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.2 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2340042	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/05/23	
Surrogate: n-Nonane	97.3 %	50-200		10/03/23	10/05/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2340008	
Chloride	3440	40.0	2	10/02/23	10/03/23	



QC Summary Data

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/5/2023 1:23:35PM

Volatile Organics by EPA 8021B

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2340006-BLK1) Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.68		8.00		96.0	70-130			

LCS (2340006-BS1) Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	5.32	0.0250	5.00		106	70-130			
Ethylbenzene	5.24	0.0250	5.00		105	70-130			
Toluene	5.31	0.0250	5.00		106	70-130			
o-Xylene	5.26	0.0250	5.00		105	70-130			
p,m-Xylene	10.7	0.0500	10.0		107	70-130			
Total Xylenes	15.9	0.0250	15.0		106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.67		8.00		95.8	70-130			

Matrix Spike (2340006-MS1) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	5.23	0.0250	5.00	ND	105	54-133			
Ethylbenzene	5.16	0.0250	5.00	ND	103	61-133			
Toluene	5.22	0.0250	5.00	ND	104	61-130			
o-Xylene	5.19	0.0250	5.00	ND	104	63-131			
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131			
Total Xylenes	15.7	0.0250	15.0	ND	105	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.69		8.00		96.1	70-130			

Matrix Spike Dup (2340006-MSD1) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	5.07	0.0250	5.00	ND	101	54-133	3.18	20	
Ethylbenzene	4.99	0.0250	5.00	ND	99.7	61-133	3.51	20	
Toluene	5.05	0.0250	5.00	ND	101	61-130	3.40	20	
o-Xylene	5.03	0.0250	5.00	ND	101	63-131	3.11	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	3.49	20	
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131	3.36	20	
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.7	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/5/2023 1:23:35PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2340006-BLK1) Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.0	70-130			

LCS (2340006-BS2) Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	48.3	20.0	50.0		96.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.0	70-130			

Matrix Spike (2340006-MS2) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	55.0	20.0	50.0	ND	110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.7	70-130			

Matrix Spike Dup (2340006-MSD2) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Gasoline Range Organics (C6-C10)	51.3	20.0	50.0	ND	103	70-130	6.86	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.8	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/5/2023 1:23:35PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2340042-BLK1)					Prepared: 10/03/23 Analyzed: 10/04/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.7		50.0		107	50-200			

LCS (2340042-BS1)					Prepared: 10/03/23 Analyzed: 10/04/23				
Diesel Range Organics (C10-C28)	265	25.0	250		106	38-132			
Surrogate: n-Nonane	48.6		50.0		97.3	50-200			

Matrix Spike (2340042-MS1)					Source: E309230-01		Prepared: 10/03/23 Analyzed: 10/04/23		
Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.4	38-132			
Surrogate: n-Nonane	44.4		50.0		88.8	50-200			

Matrix Spike Dup (2340042-MSD1)					Source: E309230-01		Prepared: 10/03/23 Analyzed: 10/04/23		
Diesel Range Organics (C10-C28)	254	25.0	250	ND	101	38-132	4.01	20	
Surrogate: n-Nonane	44.0		50.0		88.0	50-200			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/5/2023 1:23:35PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2340008-BLK1)					Prepared: 10/02/23 Analyzed: 10/03/23				
Chloride	ND	20.0							
LCS (2340008-BS1)					Prepared: 10/02/23 Analyzed: 10/03/23				
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2340008-MS1)					Source: E309229-01		Prepared: 10/02/23 Analyzed: 10/03/23		
Chloride	309	20.0	250	55.8	101	80-120			
Matrix Spike Dup (2340008-MSD1)					Source: E309229-01		Prepared: 10/02/23 Analyzed: 10/03/23		
Chloride	314	20.0	250	55.8	103	80-120	1.45	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/05/23 13:23

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Chain of Custody



Envirotech Analytical Laboratory

Printed: 9/30/2023 10:46:21AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	WPX Energy - Carlsbad	Date Received:	09/29/23 09:00	Work Order ID:	E309230
Phone:	(539) 573-4018	Date Logged In:	09/29/23 12:25	Logged In By:	Alexa Michaels
Email:	devon-team@ensolum.com	Due Date:	10/05/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

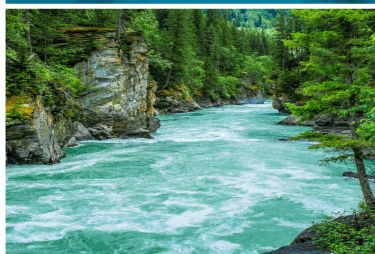
Date



envirotech Inc.

Report to:

Gilbert Moreno



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: ROSS DRAW UNIT #034

Work Order: E309229

Job Number: 01058-0007

Received: 9/29/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/5/23

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
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Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 10/5/23

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220



Project Name: ROSS DRAW UNIT #034
Workorder: E309229
Date Received: 9/29/2023 9:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/29/2023 9:00:00AM, under the Project Name: ROSS DRAW UNIT #034.

The analytical test results summarized in this report with the Project Name: ROSS DRAW UNIT #034 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Laboratory Administrator
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Alexa Michaels
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West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Definitions and Notes	11
Chain of Custody etc.	12

Sample Summary

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/05/23 16:39

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH06 0.5'	E309229-01A	Soil	09/28/23	09/29/23	Glass Jar, 2 oz.
PH06 2'	E309229-02A	Soil	09/28/23	09/29/23	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: ROSS DRAW UNIT #034 Project Number: 01058-0007 Project Manager: Gilbert Moreno	Reported: 10/5/2023 4:39:48PM
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PH06 0.5'

E309229-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2340006	
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
Surrogate: 4-Bromochlorobenzene-PID	96.4 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2340006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.0 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2339119	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/23	10/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/29/23	10/04/23	
Surrogate: n-Nonane	93.4 %	50-200		09/29/23	10/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2340008	
Chloride	55.8	20.0	1	10/02/23	10/03/23	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: ROSS DRAW UNIT #034
Project Number: 01058-0007
Project Manager: Gilbert Moreno

Reported:
10/5/2023 4:39:48PM

PH06 2'

E309229-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2340006
Benzene	ND	0.0250	1	10/02/23	10/03/23	
Ethylbenzene	ND	0.0250	1	10/02/23	10/03/23	
Toluene	ND	0.0250	1	10/02/23	10/03/23	
o-Xylene	ND	0.0250	1	10/02/23	10/03/23	
p,m-Xylene	ND	0.0500	1	10/02/23	10/03/23	
Total Xylenes	ND	0.0250	1	10/02/23	10/03/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.9 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2340006
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/23	10/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.5 %	70-130		10/02/23	10/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2339119
Diesel Range Organics (C10-C28)	ND	25.0	1	09/29/23	10/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/29/23	10/04/23	
<i>Surrogate: n-Nonane</i>						
	92.4 %	50-200		09/29/23	10/04/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2340008
Chloride	ND	20.0	1	10/02/23	10/03/23	



QC Summary Data

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/5/2023 4:39:48PM

Volatile Organics by EPA 8021B

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2340006-BLK1) Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.68		8.00		96.0	70-130			

LCS (2340006-BS1) Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	5.32	0.0250	5.00		106	70-130			
Ethylbenzene	5.24	0.0250	5.00		105	70-130			
Toluene	5.31	0.0250	5.00		106	70-130			
o-Xylene	5.26	0.0250	5.00		105	70-130			
p,m-Xylene	10.7	0.0500	10.0		107	70-130			
Total Xylenes	15.9	0.0250	15.0		106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.67		8.00		95.8	70-130			

Matrix Spike (2340006-MS1) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	5.23	0.0250	5.00	ND	105	54-133			
Ethylbenzene	5.16	0.0250	5.00	ND	103	61-133			
Toluene	5.22	0.0250	5.00	ND	104	61-130			
o-Xylene	5.19	0.0250	5.00	ND	104	63-131			
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131			
Total Xylenes	15.7	0.0250	15.0	ND	105	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.69		8.00		96.1	70-130			

Matrix Spike Dup (2340006-MSD1) Source: E309229-01 Prepared: 10/02/23 Analyzed: 10/03/23

Benzene	5.07	0.0250	5.00	ND	101	54-133	3.18	20	
Ethylbenzene	4.99	0.0250	5.00	ND	99.7	61-133	3.51	20	
Toluene	5.05	0.0250	5.00	ND	101	61-130	3.40	20	
o-Xylene	5.03	0.0250	5.00	ND	101	63-131	3.11	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	3.49	20	
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131	3.36	20	
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.7	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/5/2023 4:39:48PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2340006-BLK1)					Prepared: 10/02/23 Analyzed: 10/03/23				
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.0	70-130			
LCS (2340006-BS2)					Prepared: 10/02/23 Analyzed: 10/03/23				
Gasoline Range Organics (C6-C10)	48.3	20.0	50.0		96.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.0	70-130			
Matrix Spike (2340006-MS2)					Source: E309229-01		Prepared: 10/02/23 Analyzed: 10/03/23		
Gasoline Range Organics (C6-C10)	55.0	20.0	50.0	ND	110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.7	70-130			
Matrix Spike Dup (2340006-MSD2)					Source: E309229-01		Prepared: 10/02/23 Analyzed: 10/03/23		
Gasoline Range Organics (C6-C10)	51.3	20.0	50.0	ND	103	70-130	6.86	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.8	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/5/2023 4:39:48PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2339119-BLK1)					Prepared: 09/29/23 Analyzed: 10/04/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.5		50.0		105	50-200			

LCS (2339119-BS1)					Prepared: 09/29/23 Analyzed: 10/04/23				
Diesel Range Organics (C10-C28)	271	25.0	250		108	38-132			
Surrogate: n-Nonane	51.4		50.0		103	50-200			

Matrix Spike (2339119-MS1)					Source: E309210-84		Prepared: 09/29/23 Analyzed: 10/04/23		
Diesel Range Organics (C10-C28)	382	25.0	250	74.0	123	38-132			
Surrogate: n-Nonane	51.1		50.0		102	50-200			

Matrix Spike Dup (2339119-MSD1)					Source: E309210-84		Prepared: 09/29/23 Analyzed: 10/04/23		
Diesel Range Organics (C10-C28)	400	25.0	250	74.0	130	38-132	4.63	20	
Surrogate: n-Nonane	55.4		50.0		111	50-200			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/5/2023 4:39:48PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2340008-BLK1)					Prepared: 10/02/23 Analyzed: 10/03/23				
Chloride	ND	20.0							
LCS (2340008-BS1)					Prepared: 10/02/23 Analyzed: 10/03/23				
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2340008-MS1)					Source: E309229-01		Prepared: 10/02/23 Analyzed: 10/03/23		
Chloride	309	20.0	250	55.8	101	80-120			
Matrix Spike Dup (2340008-MSD1)					Source: E309229-01		Prepared: 10/02/23 Analyzed: 10/03/23		
Chloride	314	20.0	250	55.8	103	80-120	1.45	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/05/23 16:39

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Chain of Custody



Envirotech Analytical Laboratory

Printed: 9/30/2023 10:42:33AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	WPX Energy - Carlsbad	Date Received:	09/29/23 09:00	Work Order ID:	E309229
Phone:	(539) 573-4018	Date Logged In:	09/29/23 12:22	Logged In By:	Alexa Michaels
Email:	devon-team@ensolum.com	Due Date:	10/05/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Gilbert Moreno



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: ROSS DRAW UNIT #034

Work Order: E309228

Job Number: 01058-0007

Received: 9/29/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/5/23

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 10/5/23



Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: ROSS DRAW UNIT #034
Workorder: E309228
Date Received: 9/29/2023 9:00:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/29/2023 9:00:00AM, under the Project Name: ROSS DRAW UNIT #034.

The analytical test results summarized in this report with the Project Name: ROSS DRAW UNIT #034 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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Sample Summary

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: ROSS DRAW UNIT #034 Project Number: 01058-0007 Project Manager: Gilbert Moreno	Reported: 10/05/23 17:10
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH07 0.5'	E309228-01A	Soil	09/28/23	09/29/23	Glass Jar, 2 oz.
PH07 1'	E309228-02A	Soil	09/28/23	09/29/23	Glass Jar, 2 oz.
PH08 0.5'	E309228-03A	Soil	09/28/23	09/29/23	Glass Jar, 2 oz.
PH08 1'	E309228-04A	Soil	09/28/23	09/29/23	Glass Jar, 2 oz.
PH09 0.5'	E309228-05A	Soil	09/28/23	09/29/23	Glass Jar, 2 oz.
PH09 1'	E309228-06A	Soil	09/28/23	09/29/23	Glass Jar, 2 oz.
PH10 0.5'	E309228-07A	Soil	09/28/23	09/29/23	Glass Jar, 2 oz.
PH10 1'	E309228-08A	Soil	09/28/23	09/29/23	Glass Jar, 2 oz.
PH11 0.5'	E309228-09A	Soil	09/28/23	09/29/23	Glass Jar, 2 oz.
PH11 1'	E309228-10A	Soil	09/28/23	09/29/23	Glass Jar, 2 oz.
PH12 0.5'	E309228-11A	Soil	09/28/23	09/29/23	Glass Jar, 2 oz.
PH12 1'	E309228-12A	Soil	09/28/23	09/29/23	Glass Jar, 2 oz.
PH13 0.5'	E309228-13A	Soil	09/28/23	09/29/23	Glass Jar, 2 oz.
PH13 1'	E309228-14A	Soil	09/28/23	09/29/23	Glass Jar, 2 oz.
PH14 0.5'	E309228-15A	Soil	09/28/23	09/29/23	Glass Jar, 2 oz.
PH14 1'	E309228-16A	Soil	09/28/23	09/29/23	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: ROSS DRAW UNIT #034
Project Number: 01058-0007
Project Manager: Gilbert Moreno

Reported:
10/5/2023 5:10:20PM

PH07 0.5'

E309228-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2339118	
Benzene	ND	0.0250	1	09/29/23	10/02/23	
Ethylbenzene	ND	0.0250	1	09/29/23	10/02/23	
Toluene	ND	0.0250	1	09/29/23	10/02/23	
o-Xylene	ND	0.0250	1	09/29/23	10/02/23	
p,m-Xylene	ND	0.0500	1	09/29/23	10/02/23	
Total Xylenes	ND	0.0250	1	09/29/23	10/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.3 %	70-130		09/29/23	10/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2339118	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/29/23	10/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.9 %	70-130		09/29/23	10/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2340044	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/05/23	
<i>Surrogate: n-Nonane</i>						
	98.1 %	50-200		10/03/23	10/05/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2340010	
Chloride	1530	20.0	1	10/02/23	10/04/23	



Sample Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: ROSS DRAW UNIT #034 Project Number: 01058-0007 Project Manager: Gilbert Moreno	Reported: 10/5/2023 5:10:20PM
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PH07 1'

E309228-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2339118	
Benzene	ND	0.0250	1	09/29/23	10/02/23	
Ethylbenzene	ND	0.0250	1	09/29/23	10/02/23	
Toluene	ND	0.0250	1	09/29/23	10/02/23	
o-Xylene	ND	0.0250	1	09/29/23	10/02/23	
p,m-Xylene	ND	0.0500	1	09/29/23	10/02/23	
Total Xylenes	ND	0.0250	1	09/29/23	10/02/23	
Surrogate: 4-Bromochlorobenzene-PID	92.2 %	70-130		09/29/23	10/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2339118	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/29/23	10/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	86.5 %	70-130		09/29/23	10/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2340044	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/05/23	
Surrogate: n-Nonane	103 %	50-200		10/03/23	10/05/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2340010	
Chloride	ND	20.0	1	10/02/23	10/04/23	



Sample Data

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported: 10/5/2023 5:10:20PM
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	

PH08 0.5'

E309228-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2339118	
Benzene	ND	0.0250	1	09/29/23	10/02/23	
Ethylbenzene	ND	0.0250	1	09/29/23	10/02/23	
Toluene	ND	0.0250	1	09/29/23	10/02/23	
o-Xylene	ND	0.0250	1	09/29/23	10/02/23	
p,m-Xylene	ND	0.0500	1	09/29/23	10/02/23	
Total Xylenes	ND	0.0250	1	09/29/23	10/02/23	
Surrogate: 4-Bromochlorobenzene-PID	92.7 %	70-130		09/29/23	10/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2339118	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/29/23	10/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	86.0 %	70-130		09/29/23	10/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2340044	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/05/23	
Surrogate: n-Nonane	102 %	50-200		10/03/23	10/05/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2340010	
Chloride	ND	20.0	1	10/02/23	10/04/23	



Sample Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: ROSS DRAW UNIT #034 Project Number: 01058-0007 Project Manager: Gilbert Moreno	Reported: 10/5/2023 5:10:20PM
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PH08 1'

E309228-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2339118	
Benzene	ND	0.0250	1	09/29/23	10/02/23	
Ethylbenzene	ND	0.0250	1	09/29/23	10/02/23	
Toluene	ND	0.0250	1	09/29/23	10/02/23	
o-Xylene	ND	0.0250	1	09/29/23	10/02/23	
p,m-Xylene	ND	0.0500	1	09/29/23	10/02/23	
Total Xylenes	ND	0.0250	1	09/29/23	10/02/23	
Surrogate: 4-Bromochlorobenzene-PID	92.8 %	70-130		09/29/23	10/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2339118	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/29/23	10/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	87.3 %	70-130		09/29/23	10/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2340044	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/05/23	
Surrogate: n-Nonane	114 %	50-200		10/03/23	10/05/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2340010	
Chloride	20.3	20.0	1	10/02/23	10/04/23	



Sample Data

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported: 10/5/2023 5:10:20PM
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	

PH09 0.5'

E309228-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2339118	
Benzene	ND	0.0250	1	09/29/23	10/02/23	
Ethylbenzene	ND	0.0250	1	09/29/23	10/02/23	
Toluene	ND	0.0250	1	09/29/23	10/02/23	
o-Xylene	ND	0.0250	1	09/29/23	10/02/23	
p,m-Xylene	ND	0.0500	1	09/29/23	10/02/23	
Total Xylenes	ND	0.0250	1	09/29/23	10/02/23	
Surrogate: 4-Bromochlorobenzene-PID	93.2 %	70-130		09/29/23	10/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2339118	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/29/23	10/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	86.6 %	70-130		09/29/23	10/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2340044	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/05/23	
Surrogate: n-Nonane	111 %	50-200		10/03/23	10/05/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2340010	
Chloride	ND	20.0	1	10/02/23	10/04/23	



Sample Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: ROSS DRAW UNIT #034 Project Number: 01058-0007 Project Manager: Gilbert Moreno	Reported: 10/5/2023 5:10:20PM
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PH09 1'

E309228-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2339118	
Benzene	ND	0.0250	1	09/29/23	10/02/23	
Ethylbenzene	ND	0.0250	1	09/29/23	10/02/23	
Toluene	ND	0.0250	1	09/29/23	10/02/23	
o-Xylene	ND	0.0250	1	09/29/23	10/02/23	
p,m-Xylene	ND	0.0500	1	09/29/23	10/02/23	
Total Xylenes	ND	0.0250	1	09/29/23	10/02/23	
Surrogate: 4-Bromochlorobenzene-PID	93.8 %	70-130		09/29/23	10/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2339118	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/29/23	10/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	86.3 %	70-130		09/29/23	10/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2340044	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/05/23	
Surrogate: n-Nonane	105 %	50-200		10/03/23	10/05/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2340010	
Chloride	42.4	20.0	1	10/02/23	10/05/23	



Sample Data

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported: 10/5/2023 5:10:20PM
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	

PH10 0.5'

E309228-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2339118	
Benzene	ND	0.0250	1	09/29/23	10/02/23	
Ethylbenzene	ND	0.0250	1	09/29/23	10/02/23	
Toluene	ND	0.0250	1	09/29/23	10/02/23	
o-Xylene	ND	0.0250	1	09/29/23	10/02/23	
p,m-Xylene	ND	0.0500	1	09/29/23	10/02/23	
Total Xylenes	ND	0.0250	1	09/29/23	10/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.6 %	70-130		09/29/23	10/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2339118	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/29/23	10/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.8 %	70-130		09/29/23	10/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2340044	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/05/23	
<i>Surrogate: n-Nonane</i>						
	102 %	50-200		10/03/23	10/05/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2340010	
Chloride	50.8	20.0	1	10/02/23	10/05/23	



Sample Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: ROSS DRAW UNIT #034 Project Number: 01058-0007 Project Manager: Gilbert Moreno	Reported: 10/5/2023 5:10:20PM
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PH10 1'

E309228-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2339118	
Benzene	ND	0.0250	1	09/29/23	10/02/23	
Ethylbenzene	ND	0.0250	1	09/29/23	10/02/23	
Toluene	ND	0.0250	1	09/29/23	10/02/23	
o-Xylene	ND	0.0250	1	09/29/23	10/02/23	
p,m-Xylene	ND	0.0500	1	09/29/23	10/02/23	
Total Xylenes	ND	0.0250	1	09/29/23	10/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.0 %	70-130		09/29/23	10/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2339118	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/29/23	10/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.5 %	70-130		09/29/23	10/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2340044	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/05/23	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		10/03/23	10/05/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2340010	
Chloride	47.9	20.0	1	10/02/23	10/05/23	



Sample Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: ROSS DRAW UNIT #034 Project Number: 01058-0007 Project Manager: Gilbert Moreno	Reported: 10/5/2023 5:10:20PM
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PH11 0.5'

E309228-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2339118	
Benzene	ND	0.0250	1	09/29/23	10/02/23	
Ethylbenzene	ND	0.0250	1	09/29/23	10/02/23	
Toluene	ND	0.0250	1	09/29/23	10/02/23	
o-Xylene	ND	0.0250	1	09/29/23	10/02/23	
p,m-Xylene	ND	0.0500	1	09/29/23	10/02/23	
Total Xylenes	ND	0.0250	1	09/29/23	10/02/23	
Surrogate: 4-Bromochlorobenzene-PID	94.1 %	70-130		09/29/23	10/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2339118	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/29/23	10/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	87.2 %	70-130		09/29/23	10/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2340044	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/05/23	
Surrogate: n-Nonane	101 %	50-200		10/03/23	10/05/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2340010	
Chloride	50.3	20.0	1	10/02/23	10/05/23	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: ROSS DRAW UNIT #034
Project Number: 01058-0007
Project Manager: Gilbert Moreno

Reported:
10/5/2023 5:10:20PM

PH11 1'

E309228-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2339118	
Benzene	ND	0.0250	1	09/29/23	10/02/23	
Ethylbenzene	ND	0.0250	1	09/29/23	10/02/23	
Toluene	ND	0.0250	1	09/29/23	10/02/23	
o-Xylene	ND	0.0250	1	09/29/23	10/02/23	
p,m-Xylene	ND	0.0500	1	09/29/23	10/02/23	
Total Xylenes	ND	0.0250	1	09/29/23	10/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.8 %	70-130		09/29/23	10/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2339118	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/29/23	10/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.2 %	70-130		09/29/23	10/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2340044	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/05/23	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		10/03/23	10/05/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2340010	
Chloride	55.2	20.0	1	10/02/23	10/05/23	



Sample Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: ROSS DRAW UNIT #034 Project Number: 01058-0007 Project Manager: Gilbert Moreno	Reported: 10/5/2023 5:10:20PM
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PH12 0.5'

E309228-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2339118	
Benzene	ND	0.0250	1	09/29/23	10/02/23	
Ethylbenzene	ND	0.0250	1	09/29/23	10/02/23	
Toluene	ND	0.0250	1	09/29/23	10/02/23	
o-Xylene	ND	0.0250	1	09/29/23	10/02/23	
p,m-Xylene	ND	0.0500	1	09/29/23	10/02/23	
Total Xylenes	ND	0.0250	1	09/29/23	10/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.1 %	70-130		09/29/23	10/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2339118	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/29/23	10/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.0 %	70-130		09/29/23	10/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2340044	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/05/23	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		10/03/23	10/05/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2340010	
Chloride	224	20.0	1	10/02/23	10/05/23	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: ROSS DRAW UNIT #034
Project Number: 01058-0007
Project Manager: Gilbert Moreno

Reported:
10/5/2023 5:10:20PM

PH12 1'

E309228-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2339118	
Benzene	ND	0.0250	1	09/29/23	10/02/23	
Ethylbenzene	ND	0.0250	1	09/29/23	10/02/23	
Toluene	ND	0.0250	1	09/29/23	10/02/23	
o-Xylene	ND	0.0250	1	09/29/23	10/02/23	
p,m-Xylene	ND	0.0500	1	09/29/23	10/02/23	
Total Xylenes	ND	0.0250	1	09/29/23	10/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.9 %	70-130		09/29/23	10/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2339118	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/29/23	10/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.4 %	70-130		09/29/23	10/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2340044	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/05/23	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		10/03/23	10/05/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2340010	
Chloride	221	20.0	1	10/02/23	10/05/23	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: ROSS DRAW UNIT #034
Project Number: 01058-0007
Project Manager: Gilbert Moreno

Reported:
10/5/2023 5:10:20PM

PH13 0.5'

E309228-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2339118	
Benzene	ND	0.0250	1	09/29/23	10/02/23	
Ethylbenzene	ND	0.0250	1	09/29/23	10/02/23	
Toluene	ND	0.0250	1	09/29/23	10/02/23	
o-Xylene	ND	0.0250	1	09/29/23	10/02/23	
p,m-Xylene	ND	0.0500	1	09/29/23	10/02/23	
Total Xylenes	ND	0.0250	1	09/29/23	10/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.3 %	70-130		09/29/23	10/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2339118	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/29/23	10/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.0 %	70-130		09/29/23	10/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2340044	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/05/23	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		10/03/23	10/05/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2340010	
Chloride	242	20.0	1	10/02/23	10/05/23	



Sample Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: ROSS DRAW UNIT #034 Project Number: 01058-0007 Project Manager: Gilbert Moreno	Reported: 10/5/2023 5:10:20PM
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PH13 1'

E309228-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2339118	
Benzene	ND	0.0250	1	09/29/23	10/02/23	
Ethylbenzene	ND	0.0250	1	09/29/23	10/02/23	
Toluene	ND	0.0250	1	09/29/23	10/02/23	
o-Xylene	ND	0.0250	1	09/29/23	10/02/23	
p,m-Xylene	ND	0.0500	1	09/29/23	10/02/23	
Total Xylenes	ND	0.0250	1	09/29/23	10/02/23	
Surrogate: 4-Bromochlorobenzene-PID	94.1 %	70-130		09/29/23	10/02/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2339118	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/29/23	10/02/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	86.5 %	70-130		09/29/23	10/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2340044	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/05/23	
Surrogate: n-Nonane	96.7 %	50-200		10/03/23	10/05/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2340010	
Chloride	222	20.0	1	10/02/23	10/05/23	



Sample Data

WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: ROSS DRAW UNIT #034 Project Number: 01058-0007 Project Manager: Gilbert Moreno	Reported: 10/5/2023 5:10:20PM
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PH14 0.5'

E309228-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2339118	
Benzene	ND	0.0250	1	09/29/23	10/02/23	
Ethylbenzene	ND	0.0250	1	09/29/23	10/02/23	
Toluene	ND	0.0250	1	09/29/23	10/02/23	
o-Xylene	ND	0.0250	1	09/29/23	10/02/23	
p,m-Xylene	ND	0.0500	1	09/29/23	10/02/23	
Total Xylenes	ND	0.0250	1	09/29/23	10/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.1 %	70-130		09/29/23	10/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2339118	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/29/23	10/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.1 %	70-130		09/29/23	10/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2340044	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/05/23	
<i>Surrogate: n-Nonane</i>						
	114 %	50-200		10/03/23	10/05/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2340010	
Chloride	104	20.0	1	10/02/23	10/05/23	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: ROSS DRAW UNIT #034
Project Number: 01058-0007
Project Manager: Gilbert Moreno

Reported:
10/5/2023 5:10:20PM

PH14 1'

E309228-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2339118	
Benzene	ND	0.0250	1	09/29/23	10/02/23	
Ethylbenzene	ND	0.0250	1	09/29/23	10/02/23	
Toluene	ND	0.0250	1	09/29/23	10/02/23	
o-Xylene	ND	0.0250	1	09/29/23	10/02/23	
p,m-Xylene	ND	0.0500	1	09/29/23	10/02/23	
Total Xylenes	ND	0.0250	1	09/29/23	10/02/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.1 %	70-130		09/29/23	10/02/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2339118	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/29/23	10/02/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.4 %	70-130		09/29/23	10/02/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2340044	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/03/23	10/05/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/03/23	10/05/23	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		10/03/23	10/05/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2340010	
Chloride	93.0	20.0	1	10/02/23	10/05/23	



QC Summary Data

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/5/2023 5:10:20PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2339118-BLK1) Prepared: 09/29/23 Analyzed: 10/02/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.54		8.00		94.3	70-130			

LCS (2339118-BS1) Prepared: 09/29/23 Analyzed: 10/02/23

Benzene	4.82	0.0250	5.00		96.4	70-130			
Ethylbenzene	4.67	0.0250	5.00		93.4	70-130			
Toluene	4.85	0.0250	5.00		96.9	70-130			
o-Xylene	4.79	0.0250	5.00		95.8	70-130			
p,m-Xylene	9.67	0.0500	10.0		96.7	70-130			
Total Xylenes	14.5	0.0250	15.0		96.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.49		8.00		93.6	70-130			

Matrix Spike (2339118-MS1) Source: E309228-07 Prepared: 09/29/23 Analyzed: 10/02/23

Benzene	4.94	0.0250	5.00	ND	98.8	54-133			
Ethylbenzene	4.78	0.0250	5.00	ND	95.5	61-133			
Toluene	4.95	0.0250	5.00	ND	99.0	61-130			
o-Xylene	4.89	0.0250	5.00	ND	97.9	63-131			
p,m-Xylene	9.88	0.0500	10.0	ND	98.8	63-131			
Total Xylenes	14.8	0.0250	15.0	ND	98.5	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.44		8.00		93.0	70-130			

Matrix Spike Dup (2339118-MSD1) Source: E309228-07 Prepared: 09/29/23 Analyzed: 10/02/23

Benzene	4.73	0.0250	5.00	ND	94.6	54-133	4.28	20	
Ethylbenzene	4.57	0.0250	5.00	ND	91.4	61-133	4.40	20	
Toluene	4.75	0.0250	5.00	ND	95.0	61-130	4.19	20	
o-Xylene	4.70	0.0250	5.00	ND	93.9	63-131	4.13	20	
p,m-Xylene	9.46	0.0500	10.0	ND	94.6	63-131	4.42	20	
Total Xylenes	14.2	0.0250	15.0	ND	94.3	63-131	4.32	20	
Surrogate: 4-Bromochlorobenzene-PID	7.43		8.00		92.8	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/5/2023 5:10:20PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2339118-BLK1) Prepared: 09/29/23 Analyzed: 10/02/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.94		8.00		86.8	70-130			

LCS (2339118-BS2) Prepared: 09/29/23 Analyzed: 10/02/23

Gasoline Range Organics (C6-C10)	46.3	20.0	50.0		92.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.94		8.00		86.8	70-130			

Matrix Spike (2339118-MS2) Source: E309228-07 Prepared: 09/29/23 Analyzed: 10/02/23

Gasoline Range Organics (C6-C10)	42.5	20.0	50.0	ND	85.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.00		8.00		87.6	70-130			

Matrix Spike Dup (2339118-MSD2) Source: E309228-07 Prepared: 09/29/23 Analyzed: 10/02/23

Gasoline Range Organics (C6-C10)	42.4	20.0	50.0	ND	84.8	70-130	0.206	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.09		8.00		88.6	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/5/2023 5:10:20PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2340044-BLK1)					Prepared: 10/03/23 Analyzed: 10/04/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.0		50.0		110	50-200			

LCS (2340044-BS1)					Prepared: 10/03/23 Analyzed: 10/04/23				
Diesel Range Organics (C10-C28)	315	25.0	250		126	38-132			
Surrogate: n-Nonane	55.5		50.0		111	50-200			

Matrix Spike (2340044-MS1)					Source: E309228-03		Prepared: 10/03/23 Analyzed: 10/04/23		
Diesel Range Organics (C10-C28)	328	25.0	250	ND	131	38-132			
Surrogate: n-Nonane	50.3		50.0		101	50-200			

Matrix Spike Dup (2340044-MSD1)					Source: E309228-03		Prepared: 10/03/23 Analyzed: 10/05/23		
Diesel Range Organics (C10-C28)	294	25.0	250	ND	117	38-132	11.0	20	
Surrogate: n-Nonane	57.6		50.0		115	50-200			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/5/2023 5:10:20PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2340010-BLK1)					Prepared: 10/02/23 Analyzed: 10/04/23				
Chloride	ND	20.0							
LCS (2340010-BS1)					Prepared: 10/02/23 Analyzed: 10/04/23				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2340010-MS1)					Source: E309227-21		Prepared: 10/02/23 Analyzed: 10/04/23		
Chloride	254	20.0	250	ND	102	80-120			
Matrix Spike Dup (2340010-MSD1)					Source: E309227-21		Prepared: 10/02/23 Analyzed: 10/04/23		
Chloride	257	20.0	250	ND	103	80-120	1.01	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/05/23 17:10

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Page 1 of 2

Client: WPX Energy Permian LLC.				Bill To		Lab Use Only				TAT				EPA Program				
Project: ROSS DRAW UNIT #034				Attention: Jim Raley		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA			
Project Manager: Gilbert Moreno				Address: 5315 Buena Vista Dr.		E309228		01058-0007					5 day TAT					
Address: 13000 W County Rd 100				City, State, Zip: Carlsbad, NM, 88220		Analysis and Method										RCRA		
City, State, Zip: Odessa, TX, 79765				Phone: 575-885-7502		Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	State				
Phone: (832)541-7719				Email: jim.raley@dmv.com										NM	CO	UT	AZ	TX
Email: Devon-team@etechenv.com				WO: 21225212														
Collected by: Edyte Konan				Incident ID: nAPP2326833391														
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number									Remarks				
11:00	9/28/2023	S	1	PH07	1	0.5'							X					
11:10	9/28/2023	S	1	PH07	2	1'							X					
11:20	9/28/2023	S	1	PH08	3	0.5'							X					
11:30	9/28/2023	S	1	PH08	4	1'							X					
11:40	9/28/2023	S	1	PH09	5	0.5'							X					
11:50	9/28/2023	S	1	PH09	6	1'							X					
12:00	9/28/2023	S	1	PH10	7	0.5'							X					
12:10	9/28/2023	S	1	PH10	8	1'							X					
12:20	9/28/2023	S	1	PH11	9	0.5'							X					
12:30	9/28/2023	S	1	PH11	10	1'							X					
Additional Instructions:																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																		
Sampled by: _____																		
Relinquished by: (Signature) Edyte Konan				Date 09/28/23	Time 14:00	Received by: (Signature) Michelle Gonzales				Date 9-28-23	Time 1400	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N						
Relinquished by: (Signature) Michelle Gonzales				Date 9-28-23	Time 1515	Received by: (Signature) Allyson				Date 9-29-23	Time 900	T1 _____ T2 _____ T3 _____						
Relinquished by: (Signature)				Date	Time	Received by: (Signature)				Date	Time	AVG Temp °C <u>4</u>						
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____																		
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																		
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		



envirotech

Chain of Custody



envirotech

Envirotech Analytical Laboratory

Printed: 9/30/2023 10:41:00AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	WPX Energy - Carlsbad	Date Received:	09/29/23 09:00	Work Order ID:	E309228
Phone:	(539) 573-4018	Date Logged In:	09/29/23 12:17	Logged In By:	Alexa Michaels
Email:	devon-team@ensolum.com	Due Date:	10/05/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Gilbert Moreno



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: ROSS DRAW UNIT #034

Work Order: E310124

Job Number: 01058-0007

Received: 10/19/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/23/23

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 10/23/23



Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220

Project Name: ROSS DRAW UNIT #034
Workorder: E310124
Date Received: 10/19/2023 8:15:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/19/2023 8:15:00AM, under the Project Name: ROSS DRAW UNIT #034.

The analytical test results summarized in this report with the Project Name: ROSS DRAW UNIT #034 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
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Sample Summary

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/23/23 11:45

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH15 0.5'	E310124-01A	Soil	10/16/23	10/19/23	Glass Jar, 2 oz.
PH15 1'	E310124-02A	Soil	10/16/23	10/19/23	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: ROSS DRAW UNIT #034
Project Number: 01058-0007
Project Manager: Gilbert Moreno

Reported:
10/23/2023 11:45:16AM

PH15 0.5'

E310124-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342062
Benzene	ND	0.0250	1	10/19/23	10/19/23	
Ethylbenzene	ND	0.0250	1	10/19/23	10/19/23	
Toluene	ND	0.0250	1	10/19/23	10/19/23	
o-Xylene	ND	0.0250	1	10/19/23	10/19/23	
p,m-Xylene	ND	0.0500	1	10/19/23	10/19/23	
Total Xylenes	ND	0.0250	1	10/19/23	10/19/23	
Surrogate: 4-Bromochlorobenzene-PID	93.6 %	70-130		10/19/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2342062
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/23	10/19/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.8 %	70-130		10/19/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2342064
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/23	10/19/23	
Surrogate: n-Nonane	82.5 %	50-200		10/19/23	10/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2342075
Chloride	61.6	20.0	1	10/19/23	10/19/23	



Sample Data

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported: 10/23/2023 11:45:16AM
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	

PH15 1'

E310124-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2342062	
Benzene	ND	0.0250	1	10/19/23	10/19/23	
Ethylbenzene	ND	0.0250	1	10/19/23	10/19/23	
Toluene	ND	0.0250	1	10/19/23	10/19/23	
o-Xylene	ND	0.0250	1	10/19/23	10/19/23	
p,m-Xylene	ND	0.0500	1	10/19/23	10/19/23	
Total Xylenes	ND	0.0250	1	10/19/23	10/19/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.1 %	70-130		10/19/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2342062	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/23	10/19/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.1 %	70-130		10/19/23	10/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2342064	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/19/23	10/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	10/19/23	10/19/23	
<i>Surrogate: n-Nonane</i>						
	85.8 %	50-200		10/19/23	10/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2342075	
Chloride	64.1	20.0	1	10/19/23	10/19/23	



QC Summary Data

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/23/2023 11:45:16AM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2342062-BLK1) Prepared: 10/19/23 Analyzed: 10/19/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.52		8.00		94.0	70-130			

LCS (2342062-BS1) Prepared: 10/19/23 Analyzed: 10/19/23

Benzene	4.45	0.0250	5.00		89.1	70-130			
Ethylbenzene	4.54	0.0250	5.00		90.7	70-130			
Toluene	4.54	0.0250	5.00		90.8	70-130			
o-Xylene	4.58	0.0250	5.00		91.5	70-130			
p,m-Xylene	9.28	0.0500	10.0		92.8	70-130			
Total Xylenes	13.9	0.0250	15.0		92.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.51		8.00		93.9	70-130			

Matrix Spike (2342062-MS1) Source: E310122-02 Prepared: 10/19/23 Analyzed: 10/19/23

Benzene	4.74	0.0250	5.00	ND	94.8	54-133			
Ethylbenzene	4.84	0.0250	5.00	ND	96.7	61-133			
Toluene	4.84	0.0250	5.00	ND	96.9	61-130			
o-Xylene	4.86	0.0250	5.00	ND	97.3	63-131			
p,m-Xylene	9.86	0.0500	10.0	ND	98.6	63-131			
Total Xylenes	14.7	0.0250	15.0	ND	98.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.50		8.00		93.8	70-130			

Matrix Spike Dup (2342062-MSD1) Source: E310122-02 Prepared: 10/19/23 Analyzed: 10/19/23

Benzene	4.66	0.0250	5.00	ND	93.2	54-133	1.71	20	
Ethylbenzene	4.76	0.0250	5.00	ND	95.2	61-133	1.59	20	
Toluene	4.76	0.0250	5.00	ND	95.1	61-130	1.83	20	
o-Xylene	4.77	0.0250	5.00	ND	95.4	63-131	1.95	20	
p,m-Xylene	9.70	0.0500	10.0	ND	97.0	63-131	1.65	20	
Total Xylenes	14.5	0.0250	15.0	ND	96.5	63-131	1.75	20	
Surrogate: 4-Bromochlorobenzene-PID	7.45		8.00		93.2	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/23/2023 11:45:16AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2342062-BLK1) Prepared: 10/19/23 Analyzed: 10/19/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.16		8.00		89.4	70-130			

LCS (2342062-BS2) Prepared: 10/19/23 Analyzed: 10/19/23

Gasoline Range Organics (C6-C10)	46.0	20.0	50.0		92.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.2	70-130			

Matrix Spike (2342062-MS2) Source: E310122-02 Prepared: 10/19/23 Analyzed: 10/19/23

Gasoline Range Organics (C6-C10)	50.2	20.0	50.0	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.41		8.00		92.6	70-130			

Matrix Spike Dup (2342062-MSD2) Source: E310122-02 Prepared: 10/19/23 Analyzed: 10/19/23

Gasoline Range Organics (C6-C10)	46.0	20.0	50.0	ND	92.0	70-130	8.72	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.40		8.00		92.5	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/23/2023 11:45:16AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2342064-BLK1)					Prepared: 10/19/23 Analyzed: 10/19/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.9		50.0		91.7	50-200			

LCS (2342064-BS1)					Prepared: 10/19/23 Analyzed: 10/19/23				
Diesel Range Organics (C10-C28)	250	25.0	250		100	38-132			
Surrogate: n-Nonane	46.5		50.0		93.0	50-200			

Matrix Spike (2342064-MS1)					Source: E310122-04		Prepared: 10/19/23 Analyzed: 10/19/23		
Diesel Range Organics (C10-C28)	260	25.0	250	ND	104	38-132			
Surrogate: n-Nonane	50.4		50.0		101	50-200			

Matrix Spike Dup (2342064-MSD1)					Source: E310122-04		Prepared: 10/19/23 Analyzed: 10/19/23		
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132	2.44	20	
Surrogate: n-Nonane	49.3		50.0		98.6	50-200			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/23/2023 11:45:16AM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2342075-BLK1)					Prepared: 10/19/23 Analyzed: 10/19/23				
Chloride	ND	20.0							
LCS (2342075-BS1)					Prepared: 10/19/23 Analyzed: 10/19/23				
Chloride	256	20.0	250		103	90-110			
Matrix Spike (2342075-MS1)					Source: E310123-05		Prepared: 10/19/23 Analyzed: 10/19/23		
Chloride	1930	20.0	250	1770	64.8	80-120			M4
Matrix Spike Dup (2342075-MSD1)					Source: E310123-05		Prepared: 10/19/23 Analyzed: 10/19/23		
Chloride	1900	20.0	250	1770	52.3	80-120	1.64	20	M4

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	10/23/23 11:45

- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Page 1 of 1

Client: WPX Energy Permian, LLC.				Bill To		Lab Use Only				TAT				EPA Program				
Project: ROSS DRAW UNIT #034				Attention: Jim Raley		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA			
Project Manager: Gilbert Moreno				Address: 5315 Buena Vista Dr.		E310124		0058-0007					5 day TAT					
Address: 13000 W County Rd 100				City, State, Zip: Carlsbad, NM, 88220		Analysis and Method										RCRA		
City, State, Zip: Odessa, TX, 79765				Phone: 575-885-7502		Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	State				
Phone: 832-541-7719				Email: jim.raley@dv.com										NM	CO	UT	AZ	TX
Email: Devon-team@etechnv.com				WO: 21225212										x				
Collected by: Edyte Konan				Incident ID: nAPP2326833391												Remarks		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number													
8:40	10.16.23	S	1	PH15	1	0.5'												
8:45	10.16.23	S	1	PH15	2	1'												
10/18/2023																		

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.					
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only			
<i>[Signature]</i>		10/18/23	1210	<i>[Signature]</i>		10-18-23	1210	Received on ice: <u>Y</u> / N			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3			
<i>[Signature]</i>		10-18-23	1745	<i>[Signature]</i>		10-18-23	1800				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C			
<i>[Signature]</i>		10-18-23	2400	<i>[Signature]</i>		10-19-23	8:15	4			
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other								Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA			
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.											



Envirotech Analytical Laboratory

Printed: 10/19/2023 12:02:01PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	WPX Energy - Carlsbad	Date Received:	10/19/23 08:15	Work Order ID:	E310124
Phone:	(539) 573-4018	Date Logged In:	10/18/23 16:44	Logged In By:	Caitlin Mars
Email:	devon-team@ensolum.com	Due Date:	10/25/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

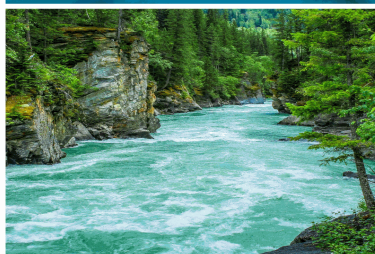
Date



envirotech Inc.

Report to:

Gilbert Moreno



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: ROSS DRAW UNIT #034

Work Order: E311189

Job Number: 01058-0007

Received: 11/22/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/30/23

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 11/30/23

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220



Project Name: ROSS DRAW UNIT #034
Workorder: E311189
Date Received: 11/22/2023 7:30:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/22/2023 7:30:00AM, under the Project Name: ROSS DRAW UNIT #034.

The analytical test results summarized in this report with the Project Name: ROSS DRAW UNIT #034 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
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Cell: 775-287-1762
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Laboratory Administrator
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Sample Summary

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/30/23 15:39

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01 (4')	E311189-01A	Soil	11/21/23	11/22/23	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: ROSS DRAW UNIT #034
Project Number: 01058-0007
Project Manager: Gilbert Moreno

Reported:
11/30/2023 3:39:45PM

FS01 (4')

E311189-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2347085
Benzene	ND	0.0250	1	11/22/23	11/29/23	
Ethylbenzene	ND	0.0250	1	11/22/23	11/29/23	
Toluene	ND	0.0250	1	11/22/23	11/29/23	
o-Xylene	ND	0.0250	1	11/22/23	11/29/23	
p,m-Xylene	ND	0.0500	1	11/22/23	11/29/23	
Total Xylenes	ND	0.0250	1	11/22/23	11/29/23	
Surrogate: Bromofluorobenzene	76.7 %	70-130		11/22/23	11/29/23	
Surrogate: 1,2-Dichloroethane-d4	85.3 %	70-130		11/22/23	11/29/23	
Surrogate: Toluene-d8	90.0 %	70-130		11/22/23	11/29/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2347085
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/22/23	11/29/23	
Surrogate: Bromofluorobenzene	76.7 %	70-130		11/22/23	11/29/23	
Surrogate: 1,2-Dichloroethane-d4	85.3 %	70-130		11/22/23	11/29/23	
Surrogate: Toluene-d8	90.0 %	70-130		11/22/23	11/29/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2348064
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/23	11/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/23	11/29/23	
Surrogate: n-Nonane	79.8 %	50-200		11/29/23	11/29/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2348061
Chloride	ND	20.0	1	11/29/23	11/29/23	



QC Summary Data

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/30/2023 3:39:45PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2347085-BLK1)

Prepared: 11/22/23 Analyzed: 11/29/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.480		0.500		96.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.3	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			

LCS (2347085-BS1)

Prepared: 11/22/23 Analyzed: 11/29/23

Benzene	2.83	0.0250	2.50		113	70-130			
Ethylbenzene	2.62	0.0250	2.50		105	70-130			
Toluene	2.30	0.0250	2.50		91.8	70-130			
o-Xylene	3.24	0.0250	2.50		129	70-130			
p,m-Xylene	5.13	0.0500	5.00		103	70-130			
Total Xylenes	8.36	0.0250	7.50		112	70-130			
Surrogate: Bromofluorobenzene	0.648		0.500		130	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.462		0.500		92.4	70-130			
Surrogate: Toluene-d8	0.454		0.500		90.7	70-130			

Matrix Spike (2347085-MS1)

Source: E311177-03 Prepared: 11/22/23 Analyzed: 11/30/23

Benzene	2.23	0.0250	2.50	ND	89.4	48-131			
Ethylbenzene	2.21	0.0250	2.50	ND	88.4	45-135			
Toluene	2.09	0.0250	2.50	ND	83.8	48-130			
o-Xylene	2.60	0.0250	2.50	ND	104	43-135			
p,m-Xylene	5.50	0.0500	5.00	ND	110	43-135			
Total Xylenes	8.10	0.0250	7.50	ND	108	43-135			
Surrogate: Bromofluorobenzene	0.489		0.500		97.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.439		0.500		87.8	70-130			
Surrogate: Toluene-d8	0.404		0.500		80.8	70-130			

Matrix Spike Dup (2347085-MSD1)

Source: E311177-03 Prepared: 11/22/23 Analyzed: 11/29/23

Benzene	2.80	0.0250	2.50	ND	112	48-131	22.5	23	
Ethylbenzene	2.51	0.0250	2.50	ND	100	45-135	12.7	27	
Toluene	2.42	0.0250	2.50	ND	96.7	48-130	14.3	24	
o-Xylene	2.39	0.0250	2.50	ND	95.4	43-135	8.62	27	
p,m-Xylene	4.70	0.0500	5.00	ND	94.0	43-135	15.6	27	
Total Xylenes	7.09	0.0250	7.50	ND	94.5	43-135	13.3	27	
Surrogate: Bromofluorobenzene	0.471		0.500		94.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.459		0.500		91.7	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/30/2023 3:39:45PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2347085-BLK1) Prepared: 11/22/23 Analyzed: 11/29/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.480		0.500		96.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.3	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			

LCS (2347085-BS2) Prepared: 11/22/23 Analyzed: 11/30/23

Gasoline Range Organics (C6-C10)	54.7	20.0	50.0		109	70-130			
Surrogate: Bromofluorobenzene	0.603		0.500		121	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.4	70-130			
Surrogate: Toluene-d8	0.464		0.500		92.8	70-130			

Matrix Spike (2347085-MS2) Source: E311177-03 Prepared: 11/22/23 Analyzed: 11/30/23

Gasoline Range Organics (C6-C10)	42.3	20.0	50.0	ND	84.6	70-130			
Surrogate: Bromofluorobenzene	0.509		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.413		0.500		82.5	70-130			
Surrogate: Toluene-d8	0.481		0.500		96.1	70-130			

Matrix Spike Dup (2347085-MSD2) Source: E311177-03 Prepared: 11/22/23 Analyzed: 11/29/23

Gasoline Range Organics (C6-C10)	45.4	20.0	50.0	ND	90.7	70-130	7.01	20	
Surrogate: Bromofluorobenzene	0.479		0.500		95.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.6	70-130			
Surrogate: Toluene-d8	0.461		0.500		92.1	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/30/2023 3:39:45PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2348064-BLK1)					Prepared: 11/29/23 Analyzed: 11/29/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	40.9		50.0		81.8	50-200			

LCS (2348064-BS1)					Prepared: 11/29/23 Analyzed: 11/29/23				
Diesel Range Organics (C10-C28)	215	25.0	250		86.1	38-132			
Surrogate: n-Nonane	41.3		50.0		82.7	50-200			

Matrix Spike (2348064-MS1)					Source: E311134-06		Prepared: 11/29/23 Analyzed: 11/29/23		
Diesel Range Organics (C10-C28)	991	125	250	823	67.2	38-132			
Surrogate: n-Nonane	42.4		50.0		84.7	50-200			

Matrix Spike Dup (2348064-MSD1)					Source: E311134-06		Prepared: 11/29/23 Analyzed: 11/29/23		
Diesel Range Organics (C10-C28)	1040	125	250	823	87.9	38-132	5.10	20	
Surrogate: n-Nonane	44.8		50.0		89.6	50-200			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/30/2023 3:39:45PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2348061-BLK1)					Prepared: 11/29/23 Analyzed: 11/29/23				
Chloride	ND	20.0							
LCS (2348061-BS1)					Prepared: 11/29/23 Analyzed: 11/29/23				
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2348061-MS1)					Source: E311178-02		Prepared: 11/29/23 Analyzed: 11/29/23		
Chloride	307	20.0	250	49.7	103	80-120			
Matrix Spike Dup (2348061-MSD1)					Source: E311178-02		Prepared: 11/29/23 Analyzed: 11/29/23		
Chloride	305	20.0	250	49.7	102	80-120	0.752	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/30/23 15:39

- ND Analyte NOT DETECTED at or above the reporting limit
 - NR Not Reported
 - RPD Relative Percent Difference
 - DNI Did Not Ignite
 - DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with ** are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



[illegible]

Envirotech Analytical Laboratory

Printed: 11/22/2023 8:23:22AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	WPX Energy - Carlsbad	Date Received:	11/22/23 07:30	Work Order ID:	E311189
Phone:	(539) 573-4018	Date Logged In:	11/21/23 15:07	Logged In By:	Jordan Montano
Email:	devon-team@ensolum.com	Due Date:	11/30/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

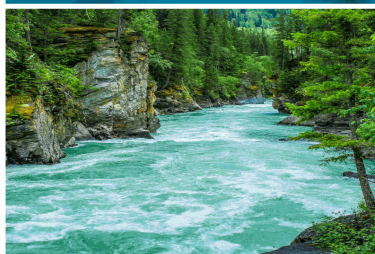
Date



envirotech Inc.

Report to:

Gilbert Moreno



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: ROSS DRAW UNIT #034

Work Order: E311188

Job Number: 01058-0007

Received: 11/22/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/30/23

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
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Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 11/30/23

Gilbert Moreno
5315 Buena Vista Dr
Carlsbad, NM 88220



Project Name: ROSS DRAW UNIT #034
Workorder: E311188
Date Received: 11/22/2023 7:30:00AM

Gilbert Moreno,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/22/2023 7:30:00AM, under the Project Name: ROSS DRAW UNIT #034.

The analytical test results summarized in this report with the Project Name: ROSS DRAW UNIT #034 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
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Sample Summary

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/30/23 15:44

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW01 (0-4')	E311188-01A	Soil	11/21/23	11/22/23	Glass Jar, 2 oz.
SW02 (0-4')	E311188-02A	Soil	11/21/23	11/22/23	Glass Jar, 2 oz.



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: ROSS DRAW UNIT #034
Project Number: 01058-0007
Project Manager: Gilbert Moreno

Reported:
11/30/2023 3:44:10PM

SW01 (0-4')

E311188-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2347085
Benzene	ND	0.0250	1	11/22/23	11/29/23	
Ethylbenzene	ND	0.0250	1	11/22/23	11/29/23	
Toluene	ND	0.0250	1	11/22/23	11/29/23	
o-Xylene	ND	0.0250	1	11/22/23	11/29/23	
p,m-Xylene	ND	0.0500	1	11/22/23	11/29/23	
Total Xylenes	ND	0.0250	1	11/22/23	11/29/23	
Surrogate: Bromofluorobenzene	97.0 %	70-130		11/22/23	11/29/23	
Surrogate: 1,2-Dichloroethane-d4	93.8 %	70-130		11/22/23	11/29/23	
Surrogate: Toluene-d8	90.5 %	70-130		11/22/23	11/29/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2347085
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/22/23	11/29/23	
Surrogate: Bromofluorobenzene	97.0 %	70-130		11/22/23	11/29/23	
Surrogate: 1,2-Dichloroethane-d4	93.8 %	70-130		11/22/23	11/29/23	
Surrogate: Toluene-d8	90.5 %	70-130		11/22/23	11/29/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2348056
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/23	11/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/23	11/30/23	
Surrogate: n-Nonane	86.9 %	50-200		11/29/23	11/30/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2348061
Chloride	ND	20.0	1	11/29/23	11/29/23	



Sample Data

WPX Energy - Carlsbad
5315 Buena Vista Dr
Carlsbad NM, 88220

Project Name: ROSS DRAW UNIT #034
Project Number: 01058-0007
Project Manager: Gilbert Moreno

Reported:
11/30/2023 3:44:10PM

SW02 (0-4')

E311188-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2347085
Benzene	ND	0.0250	1	11/22/23	11/29/23	
Ethylbenzene	ND	0.0250	1	11/22/23	11/29/23	
Toluene	ND	0.0250	1	11/22/23	11/29/23	
o-Xylene	ND	0.0250	1	11/22/23	11/29/23	
p,m-Xylene	ND	0.0500	1	11/22/23	11/29/23	
Total Xylenes	ND	0.0250	1	11/22/23	11/29/23	
Surrogate: Bromofluorobenzene	80.9 %	70-130		11/22/23	11/29/23	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		11/22/23	11/29/23	
Surrogate: Toluene-d8	91.1 %	70-130		11/22/23	11/29/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2347085
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/22/23	11/29/23	
Surrogate: Bromofluorobenzene	80.9 %	70-130		11/22/23	11/29/23	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		11/22/23	11/29/23	
Surrogate: Toluene-d8	91.1 %	70-130		11/22/23	11/29/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2348056
Diesel Range Organics (C10-C28)	ND	25.0	1	11/29/23	11/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/29/23	11/30/23	
Surrogate: n-Nonane	86.4 %	50-200		11/29/23	11/30/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2348061
Chloride	ND	20.0	1	11/29/23	11/29/23	



QC Summary Data

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/30/2023 3:44:10PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2347085-BLK1)

Prepared: 11/22/23 Analyzed: 11/29/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.480		0.500		96.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.3	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			

LCS (2347085-BS1)

Prepared: 11/22/23 Analyzed: 11/29/23

Benzene	2.83	0.0250	2.50		113	70-130			
Ethylbenzene	2.62	0.0250	2.50		105	70-130			
Toluene	2.30	0.0250	2.50		91.8	70-130			
o-Xylene	3.24	0.0250	2.50		129	70-130			
p,m-Xylene	5.13	0.0500	5.00		103	70-130			
Total Xylenes	8.36	0.0250	7.50		112	70-130			
Surrogate: Bromofluorobenzene	0.648		0.500		130	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.462		0.500		92.4	70-130			
Surrogate: Toluene-d8	0.454		0.500		90.7	70-130			

Matrix Spike (2347085-MS1)

Source: E311177-03

Prepared: 11/22/23 Analyzed: 11/30/23

Benzene	2.23	0.0250	2.50	ND	89.4	48-131			
Ethylbenzene	2.21	0.0250	2.50	ND	88.4	45-135			
Toluene	2.09	0.0250	2.50	ND	83.8	48-130			
o-Xylene	2.60	0.0250	2.50	ND	104	43-135			
p,m-Xylene	5.50	0.0500	5.00	ND	110	43-135			
Total Xylenes	8.10	0.0250	7.50	ND	108	43-135			
Surrogate: Bromofluorobenzene	0.489		0.500		97.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.439		0.500		87.8	70-130			
Surrogate: Toluene-d8	0.404		0.500		80.8	70-130			

Matrix Spike Dup (2347085-MSD1)

Source: E311177-03

Prepared: 11/22/23 Analyzed: 11/29/23

Benzene	2.80	0.0250	2.50	ND	112	48-131	22.5	23	
Ethylbenzene	2.51	0.0250	2.50	ND	100	45-135	12.7	27	
Toluene	2.42	0.0250	2.50	ND	96.7	48-130	14.3	24	
o-Xylene	2.39	0.0250	2.50	ND	95.4	43-135	8.62	27	
p,m-Xylene	4.70	0.0500	5.00	ND	94.0	43-135	15.6	27	
Total Xylenes	7.09	0.0250	7.50	ND	94.5	43-135	13.3	27	
Surrogate: Bromofluorobenzene	0.471		0.500		94.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.459		0.500		91.7	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/30/2023 3:44:10PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2347085-BLK1) Prepared: 11/22/23 Analyzed: 11/29/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.480		0.500		96.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.3	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			

LCS (2347085-BS2) Prepared: 11/22/23 Analyzed: 11/30/23

Gasoline Range Organics (C6-C10)	54.7	20.0	50.0		109	70-130			
Surrogate: Bromofluorobenzene	0.603		0.500		121	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.4	70-130			
Surrogate: Toluene-d8	0.464		0.500		92.8	70-130			

Matrix Spike (2347085-MS2) Source: E311177-03 Prepared: 11/22/23 Analyzed: 11/30/23

Gasoline Range Organics (C6-C10)	42.3	20.0	50.0	ND	84.6	70-130			
Surrogate: Bromofluorobenzene	0.509		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.413		0.500		82.5	70-130			
Surrogate: Toluene-d8	0.481		0.500		96.1	70-130			

Matrix Spike Dup (2347085-MSD2) Source: E311177-03 Prepared: 11/22/23 Analyzed: 11/29/23

Gasoline Range Organics (C6-C10)	45.4	20.0	50.0	ND	90.7	70-130	7.01	20	
Surrogate: Bromofluorobenzene	0.479		0.500		95.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.473		0.500		94.6	70-130			
Surrogate: Toluene-d8	0.461		0.500		92.1	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/30/2023 3:44:10PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2348056-BLK1)					Prepared: 11/29/23 Analyzed: 11/29/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.4		50.0		90.8	50-200			

LCS (2348056-BS1)					Prepared: 11/29/23 Analyzed: 11/29/23				
Diesel Range Organics (C10-C28)	230	25.0	250		92.1	38-132			
Surrogate: n-Nonane	45.5		50.0		91.1	50-200			

Matrix Spike (2348056-MS1)					Source: E311177-01		Prepared: 11/29/23 Analyzed: 11/29/23		
Diesel Range Organics (C10-C28)	236	25.0	250	ND	94.4	38-132			
Surrogate: n-Nonane	46.2		50.0		92.4	50-200			

Matrix Spike Dup (2348056-MSD1)					Source: E311177-01		Prepared: 11/29/23 Analyzed: 11/29/23		
Diesel Range Organics (C10-C28)	238	25.0	250	ND	95.1	38-132	0.694	20	
Surrogate: n-Nonane	45.7		50.0		91.4	50-200			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	Reported:
5315 Buena Vista Dr	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/30/2023 3:44:10PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2348061-BLK1)					Prepared: 11/29/23 Analyzed: 11/29/23				
Chloride	ND	20.0							
LCS (2348061-BS1)					Prepared: 11/29/23 Analyzed: 11/29/23				
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2348061-MS1)					Source: E311178-02		Prepared: 11/29/23 Analyzed: 11/29/23		
Chloride	307	20.0	250	49.7	103	80-120			
Matrix Spike Dup (2348061-MSD1)					Source: E311178-02		Prepared: 11/29/23 Analyzed: 11/29/23		
Chloride	305	20.0	250	49.7	102	80-120	0.752	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

WPX Energy - Carlsbad	Project Name:	ROSS DRAW UNIT #034	
5315 Buena Vista Dr	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Gilbert Moreno	11/30/23 15:44

- ND Analyte NOT DETECTED at or above the reporting limit
 - NR Not Reported
 - RPD Relative Percent Difference
 - DNI Did Not Ignite
 - DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with ** are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Client: WPX Energy Permian, LLC. Project: ROSS DRAW UNIT #034 Project Manager: Gilbert Moreno Address: 13000 W County Rd 100 City, State, Zip: Odessa, TX, 79765 Phone: 832-541-7719 Email: Devon-team@etechenv.com Collected by: Edyte Konan				Bill To			Lab Use Only				TAT				EPA Program				
				Attention: Jim Raley			Lab WO# E 311188		Job Number 01058-0001		1D	2D	3D	Standard	CWA	SDWA			
				Address: 5315 Buena Vista Dr.										5 day TAT					
				City, State, Zip: Carlsbad, NM, 88220			Analysis and Method												
				Phone: 575-885-7502			Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	State				
				Email: jim.raley@dvn.com											NM	CO	UT	AZ	TX
WO: 21225212																			
Incident ID: nAPP2326833391																			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
14:40	11.21.23	S	1	SW01	1	0-4'						X		
14:50	11.21.23	S	1	SW02	2	0-4'						X		

11/21/2023

Additional Instructions:

 I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: GM

Relinquished by: (Signature)	Date 11/21/2023	Time 11:00	Received by: (Signature)	Date 11/21/23	Time 11:00
Relinquished by: (Signature)	Date 11.21.23	Time 1740	Received by: (Signature)	Date 11/22/23	Time 7:30
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Lab Use Only		
Received on ice: Y / N		
T1	T2	T3
AVG Temp °C 4		

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA
 Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 11/22/2023 8:19:13AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	WPX Energy - Carlsbad	Date Received:	11/22/23 07:30	Work Order ID:	E311188
Phone:	(539) 573-4018	Date Logged In:	11/21/23 15:03	Logged In By:	Jordan Montano
Email:	devon-team@ensolum.com	Due Date:	11/30/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

APPENDIX G

NMOCD Notifications

Erick Herrera

From: Rodgers, Scott, EMNRD <Scott.Rodgers@emnrd.nm.gov>
Sent: Monday, September 25, 2023 10:10 AM
To: Erick Herrera; blm_nm_cfo_spill@blm.gov; Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRD
Cc: Raley, Jim; Devon-Team
Subject: RE: [EXTERNAL] WPX Site Sampling Activity Update (9/28-9/29)

You don't often get email from scott.rodgers@emnrd.nm.gov. [Learn why this is important](#)

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

Scott Rodgers • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
8801 Horizon Blvd. NE, Suite 260 | Albuquerque, NM 87113
505.469.1830 | scott.rodgers@emnrd.nm.gov
<http://www.emnrd.nm.gov/oed>



From: Erick Herrera <erick@etechenv.com>
Sent: Monday, September 25, 2023 8:12 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; blm_nm_cfo_spill@blm.gov
Cc: Raley, Jim <jim.ralej@dmn.com>; Devon-Team <Devon-Team@etechenv.com>
Subject: [EXTERNAL] WPX Site Sampling Activity Update (9/28-9/29)

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

Good morning,

WPX anticipates conducting confirmation soil sampling activities at the following site between September 28th through September 29th, 2023:

Proposed Date: September 28, 2023 & September 29, 2023
Proposed Timeframe: 0800 – 1700 hrs.
Site Name: RDU 34
Incident Date: 9/14/2023
API: 30-015-41578

Erick Herrera
Staff Geologist



Work: (432) 305-6416

Cell: (281) 777-4152

Erick Herrera

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Wednesday, October 11, 2023 5:15 PM
To: Erick Herrera; blm_nm_cfo_spill@blm.gov; Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRD; Hall, Brittany, EMNRD
Cc: Raley, Jim; Devon-Team
Subject: RE: [EXTERNAL] WPX Site Sampling Activity Update (10/16-10/20)

Hi Erick,

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

Thank you,

Shelly

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

From: Erick Herrera <erick@etechenv.com>
Sent: Wednesday, October 11, 2023 3:33 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; blm_nm_cfo_spill@blm.gov
Cc: Raley, Jim <jim.rale@dmv.com>; Devon-Team <Devon-Team@etechenv.com>
Subject: [EXTERNAL] WPX Site Sampling Activity Update (10/16-10/20)

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

Good afternoon,

WPX anticipates conducting confirmation soil sampling activities at the following sites between October 16th through October 20th, 2023:

Proposed Date: October 16, 2023
Proposed Timeframe: 0800 – 1700 hrs.
Site Name: RDU 34
Incident Number: nAPP2326833391
API: 30-015-41578

Proposed Date: October 17, 2023
Proposed Timeframe: 0800 – 1700 hrs.
Site Name: RDX Federal 21 #031
Incident Number: nAPP2326847671

API: 30-015-41266

Proposed Date: October 17, 20023, October 18, 2023, October 19, 2023, October 20, 2023

Proposed Timeframe: 0800 – 1700 hrs.

Site Name: RDX 16 #009

Incident Numbers: nAPP2322658221 & nAPP2317840368

API: 30-015-39752

Proposed Date: October 16, 2023, October 17, 2023, October 18, 2023, October 19, 2023, October 20, 2023

Proposed Timeframe: 0800 – 1700 hrs.

Site Name: RDU 11

Incident Numbers: nAPP2200728755, nAB1712951426, nAB1728551205, nAB1728553778, & nHMP1412241998

API: 30-015-24307

Thank you,

Erick Herrera

Staff Geologist



Work: (432) 305-6416

Cell: (281) 777-4152

Erick Herrera

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Wednesday, November 15, 2023 4:18 PM
To: Erick Herrera; blm_nm_cfo_spill@blm.gov
Cc: Raley, Jim; Devon-Team; Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRD
Subject: RE: [EXTERNAL] WPX Site Sampling Activity Update Week (11/20-11/22)

Hi Erick,

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

Thank you,

Shelly

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

From: Erick Herrera <erick@etechenv.com>
Sent: Wednesday, November 15, 2023 3:05 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; blm_nm_cfo_spill@blm.gov
Cc: Raley, Jim <jim.rale@dmn.com>; Devon-Team <Devon-Team@etechenv.com>
Subject: [EXTERNAL] WPX Site Sampling Activity Update Week (11/20-11/22)

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

Good afternoon,

WPX anticipates conducting confirmation soil sampling activities at the following site on November 20th, 2023, through November 22nd, 2023:

Proposed Date: November 20, 2023, November 21, 2023, November 22, 2023
Proposed Timeframe: 0800 – 1700 hrs.
Site Name: RDU 34
Incident Number: nAPP2326833391
API: 30-015-41578

Thanks,

Erick Herrera
Staff Geologist



Work: (432) 305-6416

Cell: (281) 777-4152

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 299634

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 299634
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2326833391
Incident Name	NAPP2326833391 ROSS DRAW UNIT #034 @ 30-015-41578
Incident Type	Produced Water Release
Incident Status	Deferral Request Received
Incident Well	[30-015-41578] ROSS DRAW UNIT #034

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	ROSS DRAW UNIT #034
Date Release Discovered	09/14/2023
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
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	
<i>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.</i>	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Well Crude Oil Released: 5 BBL Recovered: 4 BBL Lost: 1 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Well Produced Water Released: 20 BBL Recovered: 0 BBL Lost: 20 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
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)	Not answered.

District I

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District III

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District IV

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

QUESTIONS, Page 2

Action 299634

QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID:
	246289
	Action Number: 299634
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
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	True
If all the actions described above have not been undertaken, explain why	Not answered.

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: James Raley Title: EHS Professional Email: jim.raley@dmn.com Date: 01/03/2024
--	--

District I

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Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS, Page 3

Action 299634

QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 299634
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

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 100 and 500 (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 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1000 (ft.) and ½ (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

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)	10000
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	49
GRO+DRO (EPA SW-846 Method 8015M)	24
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	01/01/2050
On what date will (or did) the final sampling or liner inspection occur	10/16/2023
On what date will (or was) the remediation complete(d)	10/16/2023
What is the estimated surface area (in square feet) that will be reclaimed	7392
What is the estimated volume (in cubic yards) that will be reclaimed	1102
What is the estimated surface area (in square feet) that will be remediated	0
What is the estimated volume (in cubic yards) that will be remediated	0

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 299634

QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID:	246289
	Action Number:	299634
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS**Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Not answered.
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	Yes
In which state is the disposal taking place	Texas
What is the name of the out-of-state facility	R360 Red Bluff
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.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvni.com Date: 01/03/2024
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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 5

Action 299634

QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 299634
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Deferral Requests Only	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	The impacted soils meet Site Closure Criteria but do not meet reclamation standards in the area needed for production operations. Impacted soil will be removed to reclamation standards at facility deconstruction.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	Not answered.
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	Not answered.
<i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i>	
Enter the facility ID (f#) on which this deferral should be granted	Not answered.
Enter the well API (30-) on which this deferral should be granted	30-015-41578 ROSS DRAW UNIT #034
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
<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: James Raley Title: EHS Professional Email: jim.raley@dvni.com Date: 01/03/2024

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QUESTIONS, Page 6

Action 299634

QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 299634
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	{Unavailable.}

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	No

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CONDITIONS

Action 299634

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 299634
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
scwells	Deferral approved to reclaim top 4 feet of soil on active site at time of a major facility deconstruction or at plugging and abandonment, whichever comes first.	3/29/2024