



Wescom Inc.
1224 Standpipe Road
Carlsbad, New Mexico 88220

(575) 840-3940
wescominc.com

July 12, 2021

Robert Hamlet, Christina Eads, and/or Chad Hensley
State of New Mexico
Energy, Minerals, and Natural Resources
New Mexico Oil Conservation Division
811 South First Street
Artesia, New Mexico 88210

Re: Deferral Request

Company: WPX Energy Permian, LLC
Location: Longview Federal 12 #004
API: 30-015-42238
PLSS: Unit A Sec 12 T23S R28E
GPS: 32.3259392, -104.0331039
Incident ID: NRM2034932546

Background

Wescom, Inc., hereafter referred to as Wescom, has prepared this deferral request on behalf of WPX Energy Permian, LLC, hereafter referred to as WPX, regarding the release at the Longview Federal 12 #004 (Site) located in Unit A, Section 12, Township 23 South and Range 28 East in Eddy County, New Mexico. The GPS coordinates are as follows: North 32.3259392 and West -104.0331039. Surface owner of the site is Bureau of Land Management. The Site falls within New Mexico Oil Conservation Division (NMOCD), District 2 Artesia.

On November 25, 2020, a produced water transfer pump failed to operate at the Longview 12 #004 which caused a produced water tank to overflow. This resulted in the release of approximately eight barrels (bbls) of produced water to lined secondary containment. The vac truck dispatched to location recovered eight (bbls) of produced water. The spill volume estimated was based off the recovered volume from the vac truck.

On April 1, 2021, Wescom inspected the lined secondary containment and discovered 2 small holes in the liner near the southern edge of containment (see Attachment B). Wescom was dispatched to location on April 20, 2021, to sample the soils beneath the small tears and determine if those soils would require remediation. The liner was cut to allow sampling and immediately repaired by Rose Gold Liners LLC. Samples collected on the surface indicated remediation would be required. Additional samples were collected to determine vertical extent. Sample results indicate vertical impacts did not extend below one foot. Removal of impacted soils below the lined secondary containment and production tanks would not be possible without deconstruction of production equipment and impacted soil does not pose imminent

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risk. Therefore, WPX Energy respectfully requests deferral for the removal of soils below containment until the well is plugged and the facilities are removed.

Surface & Ground Water

The New Mexico Office of the State Engineer (OSE) records indicates nearest ground water measurement in the area is greater than 55 feet below ground surface (bgs) and is 0.57 miles West of the location, shown in Attachment C.

Karst Potential

According to data from the Bureau of Land Management, this Site is located within medium karst potential as shown in Attachment D. There are no indicators of karst around the Site surface.

Target Remedial Levels

The target cleanup levels are determined using the NMOCD Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC, inserted below) including karst guidelines from the Bureau of Land Management. The applicable Recommended Remediation Action Levels (RRAL) are 10 parts per million (ppm) Benzene, 50 ppm combined benzene, toluene, ethyl benzene, and total xylenes (BTEX), 2500 ppm Total Petroleum Hydrocarbons (TPH), and 1000 ppm combined GRO and DRO, characterization of vertical and horizontal extent of chloride concentration to a level of 10000 mg/kg (ppm) is also required.

Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC)						
Longview Federal 12-4H -- 32.3259392, -104.0331039						
Depth to Groundwater		Closure Criteria (units in mg/kg)				
		Chloride * numerical limit or background, whichever is greater	TPH	GRO+DRO	BTEX	Benzene
Based on high karst potential		600	100		50	10
less than 50 ft bgs or no water data within 1/2 mile		600	100		50	10
51 ft to 100 ft	55	10000	2500	1000	50	10
greater than 100 ft		20000	2500	1000	50	10
Surface water	yes or no	If yes, then				
< 300 feet from continuously flowing watercourse or other significant watercourse?	No					
< 200 feet from lakebed, sinkhole or playa lake?	No					
Water Well or Water Source						
< 500 feet from spring or a private, domestic fresh water well used by less than 5 households for domestic or stock watering purposes?	No					
< 1000 feet from fresh water well or spring?	No					
Human and Other Areas						
< 300 feet from an occupied permanent residence, school, hospital, institution or church?	No					
within incorporated municipal boundaries or within a defined municipal fresh water well field?	No					
< 100 feet from wetland?	No					
within area overlying a subsurface mine?	No					
within an unstable area?	No					
within a 100-year floodplain?	No					

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Site Assessment & Remediation Activities

Beginning April 1, 2021, WPX contracted Wescom to conduct a liner inspection to determine the integrity of the liner. During the inspection, a hole ½-inch in diameter was found between oil tanks T-17441 and T-17442 and another hole ¼-inch in diameter was found in front of oil tank T-17443 shown in Attachment B. The results of the inspection determined that delineation activities would be required.

The required 48-hour liner inspection and confirmation sampling notifications were sent on March 29, April 16, and April 29, 2021 to Victoria Venegas, Robert Hamlet, Christina Eads and Mike Bratcher with the NMOCD in Santa Fe, New Mexico.

Wescom personnel were on site April 20, and May 4, 2021, to conduct field screens and perform confirmation sampling. TPH contaminant levels at sample point CONF02 were above RRAL's. Sample point CONF2A was taken at a depth of one foot (bgs) and laboratory analysis results came back below RRALs. Both holes on the liner were immediately patched by Rose Gold Oil Field Services.

Wescom personnel conducted horizontal delineation around the outside of the containment. Samples on the North, East and West sides of the containment were below RRALs. Sample SS06 taken 20 feet from the south side of containment came back below RRALs (see Figure 1 and Table 1).

Confirmation composite samples were obtained from April 20 and May 24, 2021. All soil samples were properly packaged, preserved, and transported to Envirotech, Inc. by chain of custody, and analyzed for Total Petroleum Hydrocarbons, or TPH, —Method 8015D, BTEX—Method 8021B, and Chlorides—Method 300.0/9056A. The results are presented in Table 1. Laboratory Analytical Reports are included in Attachment E. Locations of samples are shown in Figure 1.

Request for Deferral

Based on delineation sample results, WPX requests to defer approximately 20 cubic yards of contaminated (see Figure 1) until the Longview Federal 12 #004 well is plugged and abandoned and reclamation activities commence.

The remaining impact in the subject area release lay within close proximity to and beneath above ground storage tanks and above ground utilities. Based on the data indicating residual impacts are fully delineated, supportive evidence that any remaining TPH concentrations are not harmful to public health and environment and highly unlikely to impact groundwater based on the shallow nature of identified impacts. WPX requests to defer approximately 20 cubic yards of impacted soil associated with Incident Number NRM2034932546 to forbear from disturbing impacted soil within the earthen tank battery containment, which may also compromise the safety of field personnel during active operations.

If you have any questions or comments, please do not hesitate to call Ms. Sharlene Harvester at (218) 355-8047.

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Sincerely,

Wescom, Inc.

Sharlene V. Harvester
Senior Environmental Scientist

Figures

Figure 1. Site Diagram

Tables

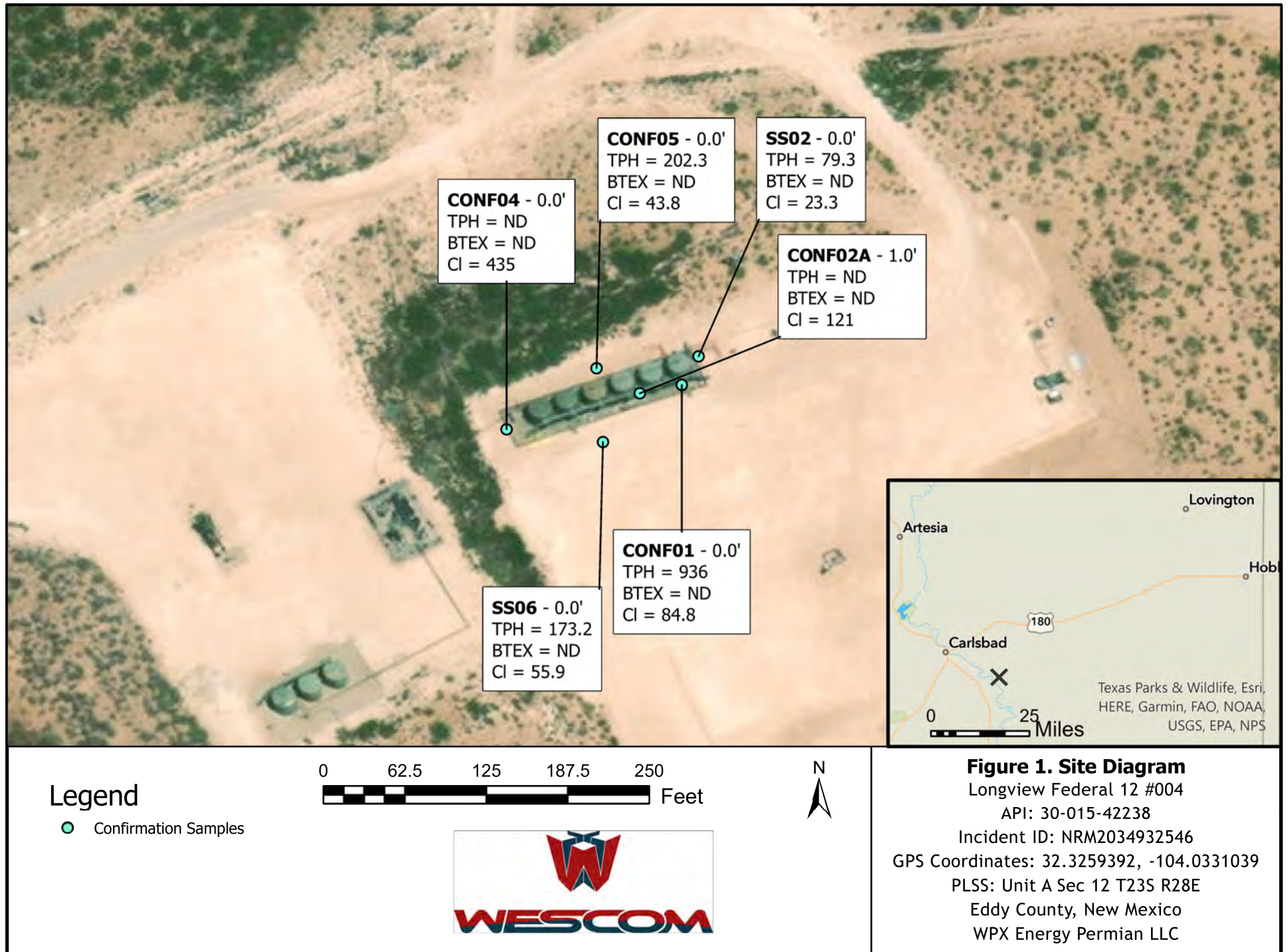
Table 1. Laboratory Analysis Results

Attachments

Attachment A.	C-141
Attachment B.	Site Photos
Attachment C.	Closure Criteria Research
Attachment D.	Karst Map
Attachment E.	Envirotech, Inc. Laboratory Analysis Reports



Longview Federal 12-4 - 11.25.2020 Spill WPX Energy Permian, LLC May 12, 2021							
Table 1. Laboratory Analysis Results							
Sample Description			Petroleum Hydrocarbons				Inorganic
Sample ID	Depth (ft.)	Date	Volatile		Extractable		Chloride (mg/kg)
			Benzene	BTEX (total)	TPH	GRO+DRO	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
Closure Criteria			10	50	2500	1000	10000
CONF01	0	4/20/2021	ND	ND	936	409	84.8
CONF02	0	4/20/2021	ND	ND	3440	1870	142
CONF02A*	1.0	5/4/2021	ND	ND	ND	ND	121
CONF04	0.5	5/4/2021	ND	ND	ND	ND	435
CONF05	0.5	5/4/2021	ND	ND	202.3	58.3	43.8
SS02	0.5	5/4/2021	ND	ND	79.3	25.6	23.3
SS06	0.5	5/4/2021	ND	ND	173.2	59.2	55.9
BTEX - Benzene, Toluene, Ethylene, Xylene DRO - Diesel Range Organics ft. - feet NOTES: * CONF02A is shown on the 5/4/2021 Laboratory Analysis Report as CONF02-1'.							
GRO - Gasoline Range Organics mg/kg - milligrams per kilogram TPH - Total Petroleum Hydrocarbons							



Attachment A

Signed C-141



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

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

Incident ID	NRM2034932546
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: WPX Energy Permian, LLC	OGRID: 246289
Contact Name: Jim Raley	Contact Telephone: 575-689-7597
Contact email: james.ralej@wpxenergy.com	Incident # (assigned by OCD)
Contact mailing address: 5315 Buena Vista Dr., Carlsbad NM 88220	

Location of Release Source

Latitude 32.3259392 _____ Longitude -104.0331039 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name LONGVIEW FEDERAL 12 #004	Site Type: Oil Well
Date Release Discovered: November 25 th , 2020	API# (if applicable) 30-015-42238

Unit Letter	Section	Township	Range	County
A	12	23S	28E	Eddy

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 8	Volume Recovered (bbls) 8
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)


Cause of Release: Tank overflow allowed 8bbls of produced water to be released to lined secondary containment. 8 bbls was recovered.

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Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>James Raley</u>	Title: <u>Environmental Specialist</u>
Signature: 	Date: <u>12/02/2020</u>
email: <u>james.raley@wpenergy.com</u>	Telephone: <u>575-689-7597</u>
<u>OCD Only</u>	
Received by: _____ Date: _____	

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Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>55</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

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

Printed Name: James Raley Title: Environmental SpecialistSignature:  Date: 7/15/2021email: james.raley@wpenergy.com Telephone: 575-689-7597**OCD Only**

Received by: _____ Date: _____

Incident ID	NRM2034932546
District RP	
Facility ID	
Application ID	

Remediation Plan


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

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☒ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☒ Extents of contamination must be fully delineated.
- ☒ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: James Raley Title: Environmental Professional
Signature:  Date: 7/15/2021
email: jim.raley@dm.com Telephone: 575-689-7597

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

Attachment B

Site Photos





Site Photo



North Side Containment





Northeast Side Containment



1/2" Diameter Hole Between T-17441 and T-17442





South Side Containment



1/4" Diameter Hole South of T-17443





CONF05 North Side Containment



CONF04 West Side Containment

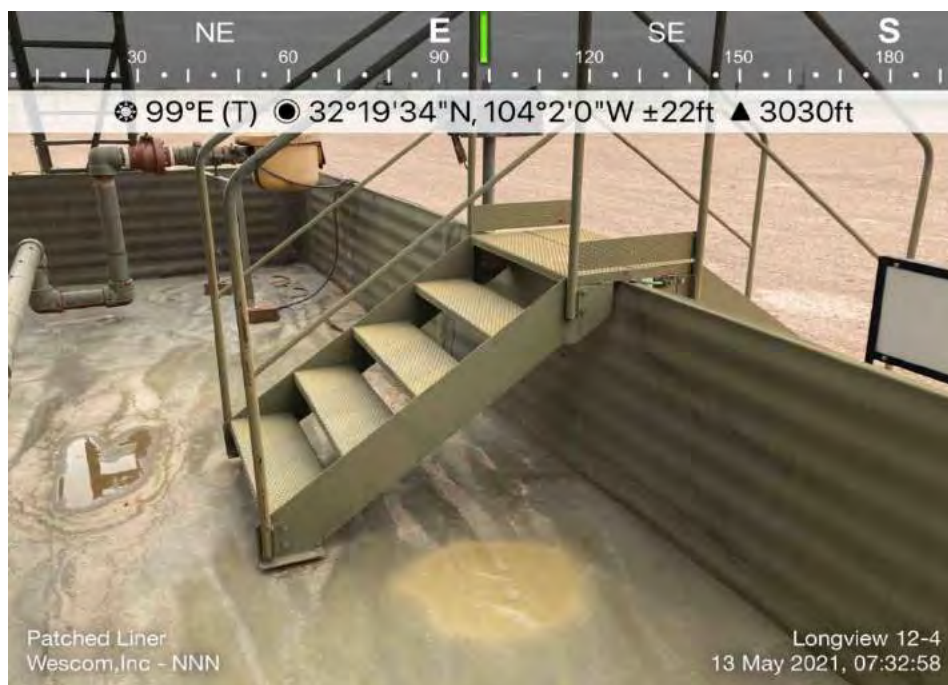


SS06 20' of South Side Containment



SS02 East Side Containment





Liner Patched South of Containment T-17443



Liner Patched Between T-17441 and T-17442



Attachment C

Closure Criteria Research





New Mexico Office of the State Engineer




























Active & Inactive Points of Diversion

(with Ownership Information)

(R=POD has been replaced and no longer serves this file,
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest)

(NAD83 UTM in meters)

(acre ft per annum)					C=the file is closed)					(quarters are smallest to largest)					(NAD83 UTM in meters)						
WR File Nbr	Sub	basin	Use	Diversion	Owner	County	POD Number	Well Tag	Code	Grant	Source	q	q	q	Sec	Tws	Rng	X	Y	Distance	
C 04418	CUB	MON		0	WPX ENERGY	ED	C 04418 POD1	NA				4	2	1	12	23S	28E	590103	3576851	 910	
C 04470	CUB	MON		0	MARATHON OIL	ED	C 04470 POD1	NA				3	1	3	07	23S	29E	591280	3576086	 930	
C 04121	C	SAN		1	CENTURION PIPELINE LTD PRTNRSH	ED	C 04121 POD1	NA				1	3	3	12	23S	28E	589536	3575898	 1821	
C 02702	C			0	IMC KALIUM	ED	C 02702				Shallow			2	13	23S	28E	590715	3575108*	 1889	
C 02703	C			0	IMC KALIUM	ED	C 02703							2	13	23S	28E	590715	3575108*	 1889	
C 01216	CUB	EXP		0	U.S. BORAX & CHEM. CORP.	ED	C 01216				Shallow	4	1	1	13	23S	28E	589801	3575205*	 2141	
C 02804	CUB	MON		0	IMC	ED	C 02804							2	1	08	23S	29E	593262	3576905*	 2257
C 02805	CUB	MON		0	IMC	ED	C 02805							2	1	08	23S	29E	593262	3576905*	 2257
C 04417	CUB	MON		0	WPX ENERGY	ED	C 04417 POD1	NA				4	3	3	36	22S	28E	589735	3578874	 2284	
SP 00302	CUB	IND	4639.5		INTREPID MINING NM LLC US BANK NATIONAL ASSOCIATION	ED	SP 00302							1	4	11	23S	28E	588886	3576107*	 2290
SP 01942	CUB	IND	10868		INTREPID MINING NM LLC US BANK NATIONAL ASSOCIATION	ED	SP 01942							1	4	11	23S	28E	588886	3576107*	 2290
SP 02045	CUB	IND	18100		INTREPID MINING NM LLC US BANK NATIONAL ASSOCIATION	ED	SP 02045							1	4	11	23S	28E	588886	3576107*	 2290
C 00791	CUB	MIN		0	MISSISSIPPI CHEMICAL COMPANY	ED	C 00791					1	3	1	13	23S	28E	589603	3574999*	 2423	
C 01212	CUB	EXP		0	U.S. BORAX & CHEM. CORP.	ED	C 01212					1	3	1	13	23S	28E	589603	3574999*	 2423	
C 01293	CUB	EXP		0	U.S. BORAX & CHEM. CORP.	ED	C 01293					1	3	1	13	23S	28E	589603	3574999*	 2423	
SP 01955	CUB	IRR	150.8		U.S. BANK NATIONAL ASSO. INTREPID MINING NM LLC	ED	SP 01955								11	23S	28E	588680	3576294*	 2423	
SD 01094	CUB	IND	381.6		UNITED STATES POTASH COMPANY (NSL) A CORP.	ED	SD 01094								02	23S	28E	588668	3577916*	 2520	
C 01256	CUB	EXP		0	U.S. BORAX & CHEM. CORP.	ED	C 01256					3	2	2	14	23S	28E	589196	3575199*	 2535	
C 04216	CUB	MON		0	ROCKCLIFF OPERATING NM LLC	ED	C 04216 POD3	NA			Shallow	1	4	1	11	23S	28E	588501	3576556	 2539	
						ED	C 04216 POD4				Shallow	2	4	1	11	23S	28E	588499	3576513	 2549	
						ED	C 04216 POD1				Shallow	2	4	1	11	23S	28E	588488	3576534	 2555	
C 00098	CUB	IRR	405.39		JAMES B KENNEY	ED	C 00109	NA			Shallow	1	3	3	04	23S	27E	588485	3576531	 2558	
C 00109	CUB	IRR	405.39		MONTIE BUNCH	ED	C 00109	NA			Shallow	1	3	3	04	23S	27E	588485	3576531	 2558	
C 04219	CUB	PRO		0	JAMES B KENNEY	ED	C 00109	NA			Shallow	1	3	3	04	23S	27E	588485	3576531	 2558	
C 04216	CUB	MON		0	ROCKCLIFF OPERATING NM LLC	ED	C 04216 POD2	NA			Shallow	1	4	1	11	23S	28E	588464	3576555	 2575	
C 01214	CUB	EXP		0	U.S. BORAX & CHEM. CORP.	ED	C 01214				Shallow	1	2	3	13	23S	28E	590010	3574597*	 2578	
C 01967	C	DOM	3		PERRY L COLEMAN	ED	C 01967				Shallow		2	3	13	23S	28E	590111	3574498*	 2633	

Record Count: 127

UTMNAD83 Radius Search (in meters):

Easting (X): 591005.8

Northing (Y): 3576975.14

Radius: 5000

Sorted by: Distance

***UTM location was derived from PLSS - see Help**

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


4/22/21 2:48 PM

ACTIVE & INACTIVE POINTS OF DIVERSION



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)						(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04418 POD1	4	2	1	12	23S	28E	590104	3576851 
Driller License:	1789	Driller Company:				HRL COMPLIANCE SOLUTIONS, INC			
Driller Name:	MARK MUMBY								
Drill Start Date:	03/31/2020	Drill Finish Date:				03/31/2020		Plug Date:	04/03/2020
Log File Date:	05/26/2020	PCW Rev Date:						Source:	
Pump Type:		Pipe Discharge Size:						Estimated Yield:	0 GPM
Casing Size:	2.00	Depth Well:				55 feet		Depth Water:	
Casing Perforations:					Top	Bottom			
					0	45			
					45	55			

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




4/22/21 7:03 AM

POINT OF DIVERSION SUMMARY

Longview Federal 12-4H

Distance to nearest Depth to Water Point = 0.57 miles

Legend

-  Distance= 0.57 miles
-  DTW= 55 feet - C 04418 POD1
-  Longview Federal 12-4H

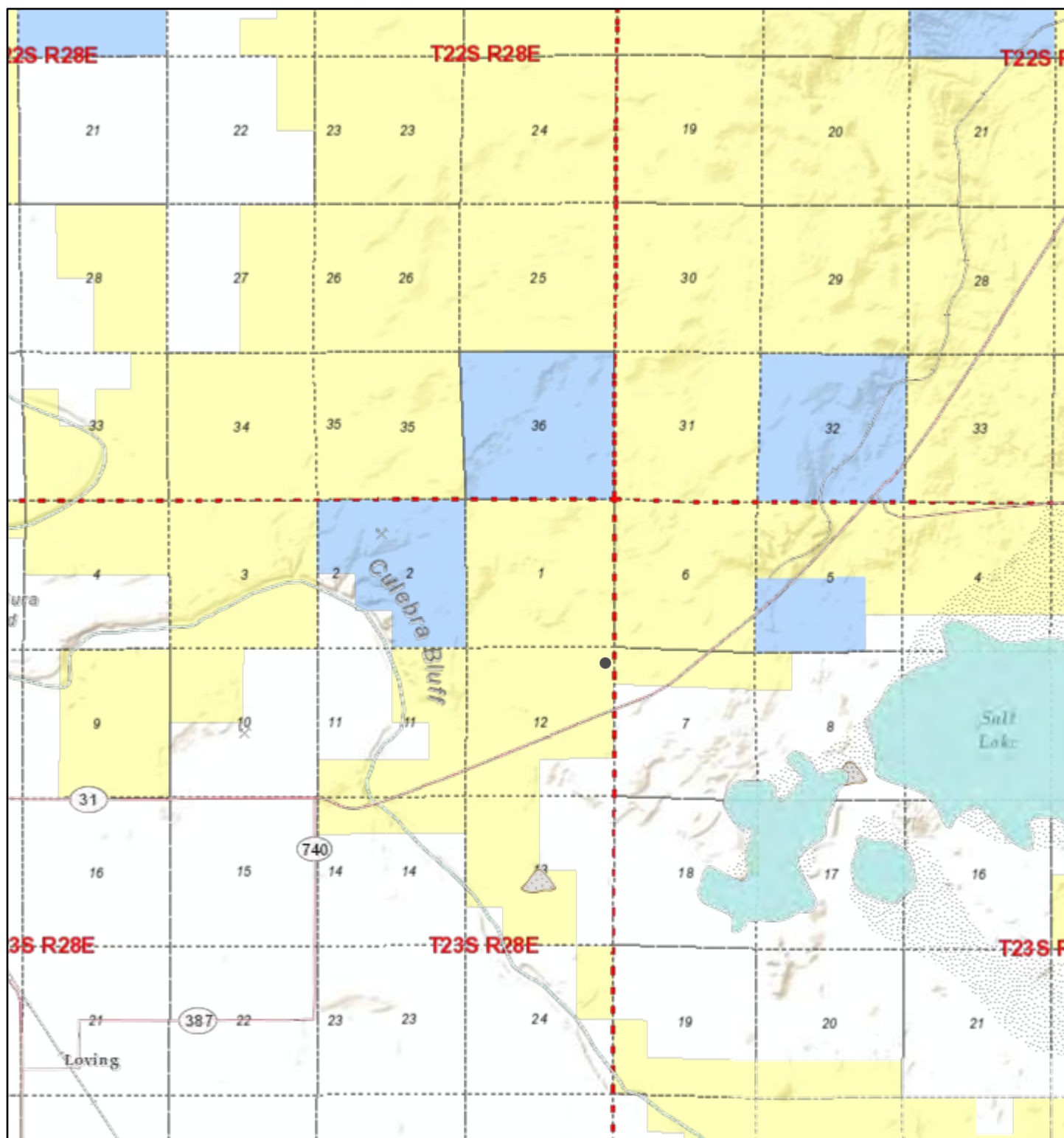
DTW= 55 feet - C 04418 POD1

Longview Federal 12-4H

Google Earth

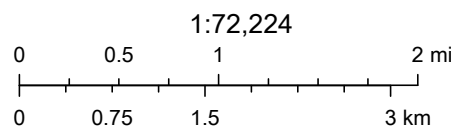
3000 ft

Active Mines near Longview Federal 12-4H



4/22/2021, 11:40:35 AM

- | | | |
|---|--|--|
| Township / Range | Department of Energy | Tribal |
| Sections | National Park Service | |
| Land Ownership | Private Land | |
| Bureau of Land Management | State Game and Fish | |
| Bureau of Reclamation | State Land | |
| Department of Agriculture | State Parks | |
| Department of Defense | | |

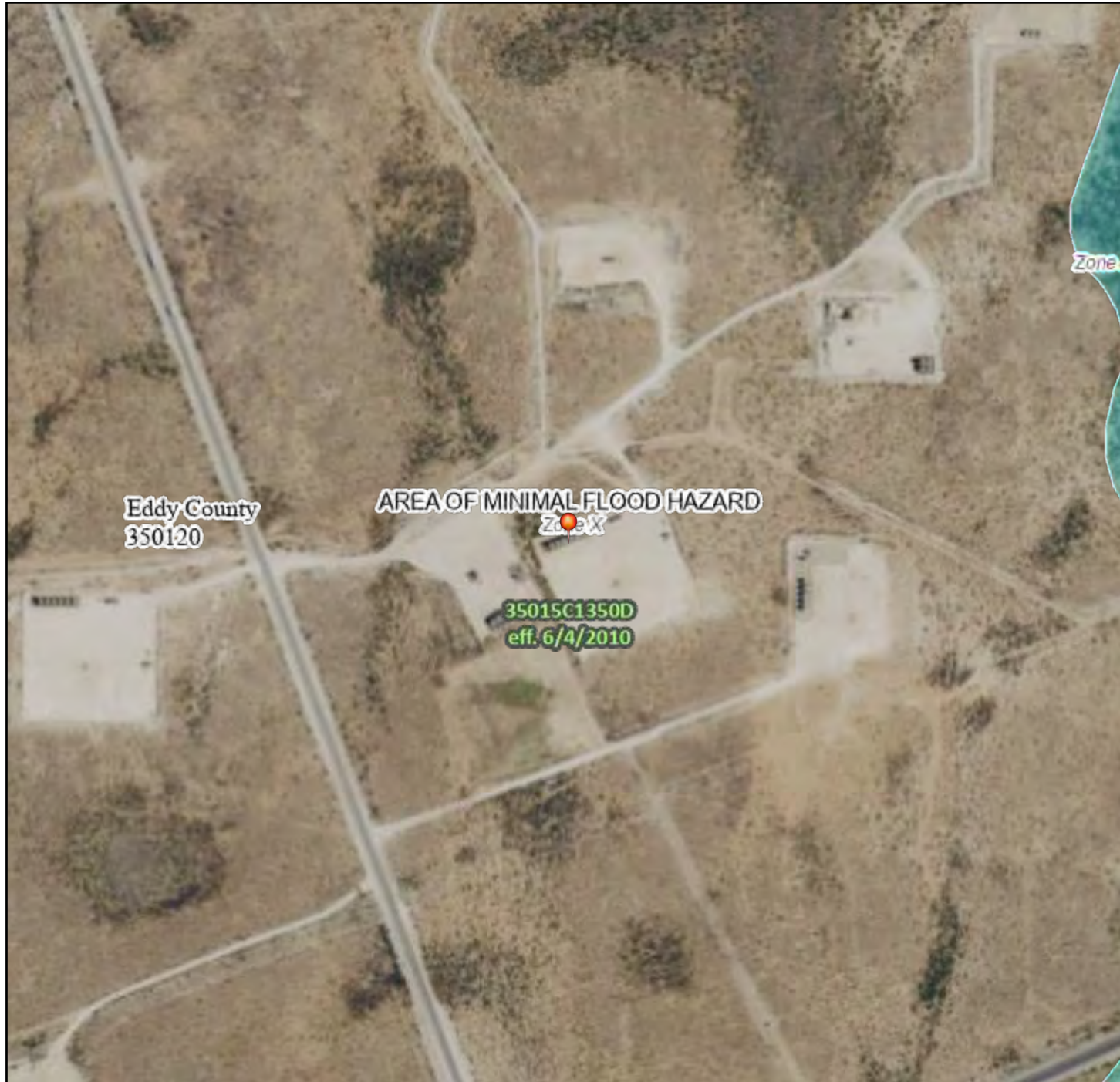


U.S. Bureau of Land Management - New Mexico State Office, Sources: Esri, USGS, NOAA, Sources: Esri, Garmin, USGS, NPS

National Flood Hazard Layer FIRMette



104°2'19"W 32°19'50"N



Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



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

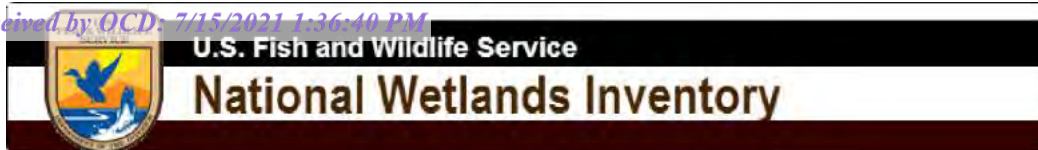
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/22/2021 at 12:30 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

Released to Imaging: 10/6/2021 9:01:56 AM

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020



Longview Federal 12-4H-Riverine 7,235 ft



April 22, 2021

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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



Longview Federal 12-4H-Wetland 1,157 ft



April 22, 2021

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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




- Lake
- Other
- Riverine

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


Longview Federal 12-4H

Distance to nearest residence = 12,464.80 ft

Legend

-  Distance= 12,464.80 ft
-  Longview Federal 12-4H
-  Nearest Residence

 Nearest Residence

 Longview Federal 12-4H

Google Earth

1 mi

Attachment D

Karst Map



Longview Federal 12- 4H

Karst Potential = Medium

Legend

- High
- Longview Federal 12-4H
- Low
- Medium

Longview Federal 12-4H



Attachment E

Envirotech Laboratory Analysis Reports



Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: Longview Federal 12-4H

Work Order: E104095

Job Number: 04108-0639

Received: 4/22/2021

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/27/21

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: 4/27/21

Ashley Giovengo
5315 Buena Vista Dr
Carlsbad, NM 88220



Project Name: Longview Federal 12-4H
Workorder: E104095
Date Received: 4/22/2021 10:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/22/2021 10:15:00AM, under the Project Name: Longview Federal 12-4H.

The analytical test results summarized in this report with the Project Name: Longview Federal 12-4H 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
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Office:

Lynn Estes
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
lestes@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Definitions and Notes	11
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Sample Summary

WPX Energy - Carlsbad	Project Name:	Longview Federal 12-4H	Reported:
5315 Buena Vista Dr	Project Number:	04108-0639	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	04/27/21 15:32

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CONF01-0'	E104095-01A	Soil	04/20/21	04/22/21	Glass Jar, 4 oz.
CONF02-0'	E104095-02A	Soil	04/20/21	04/22/21	Glass Jar, 4 oz.



Sample Data

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

Project Name: Longview Federal 12-4H
Project Number: 04108-0639
Project Manager: Ashley Giovengo

Reported:
4/27/2021 3:32:55PM

CONF01-0'

E104095-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2117026
Benzene	ND	0.0250	1	04/22/21	04/26/21	
Ethylbenzene	ND	0.0250	1	04/22/21	04/26/21	
Toluene	ND	0.0250	1	04/22/21	04/26/21	
o-Xylene	ND	0.0250	1	04/22/21	04/26/21	
p,m-Xylene	ND	0.0500	1	04/22/21	04/26/21	
Total Xylenes	ND	0.0250	1	04/22/21	04/26/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.6 %	70-130		04/22/21	04/26/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2117026
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/22/21	04/26/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	107 %	70-130		04/22/21	04/26/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HT		Batch: 2117034
Diesel Range Organics (C10-C28)	409	250	10	04/23/21	04/23/21	
Oil Range Organics (C28-C35)	527	500	10	04/23/21	04/23/21	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		04/23/21	04/23/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2117032
Chloride	84.8	20.0	1	04/23/21	04/23/21	



Sample Data

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

Project Name: Longview Federal 12-4H
Project Number: 04108-0639
Project Manager: Ashley Giovengo

Reported:
4/27/2021 3:32:55PM

CONF02-0'

E104095-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2117026
Benzene	ND	0.0250	1	04/22/21	04/26/21	
Ethylbenzene	ND	0.0250	1	04/22/21	04/26/21	
Toluene	ND	0.0250	1	04/22/21	04/26/21	
o-Xylene	ND	0.0250	1	04/22/21	04/26/21	
p,m-Xylene	ND	0.0500	1	04/22/21	04/26/21	
Total Xylenes	ND	0.0250	1	04/22/21	04/26/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.8 %	70-130		04/22/21	04/26/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2117026
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/22/21	04/26/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	105 %	70-130		04/22/21	04/26/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: HT		Batch: 2117034
Diesel Range Organics (C10-C28)	1870	500	20	04/23/21	04/23/21	
Oil Range Organics (C28-C35)	1570	1000	20	04/23/21	04/23/21	
<i>Surrogate: n-Nonane</i>						
	126 %	50-200		04/23/21	04/23/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2117032
Chloride	142	20.0	1	04/23/21	04/23/21	



QC Summary Data

WPX Energy - Carlsbad	Project Name:	Longview Federal 12-4H	Reported:
5315 Buena Vista Dr	Project Number:	04108-0639	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	4/27/2021 3:32:55PM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2117026-BLK1)

Prepared: 04/22/21 Analyzed: 04/26/21

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	7.39		8.00		92.3	70-130			

LCS (2117026-BS1)

Prepared: 04/22/21 Analyzed: 04/26/21

Benzene	4.87	0.0250	5.00		97.4	70-130			
Ethylbenzene	4.80	0.0250	5.00		95.9	70-130			
Toluene	5.00	0.0250	5.00		100	70-130			
o-Xylene	4.96	0.0250	5.00		99.3	70-130			
p,m-Xylene	9.78	0.0500	10.0		97.8	70-130			
Total Xylenes	14.7	0.0250	15.0		98.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.7	70-130			

Matrix Spike (2117026-MS1)

Source: E104094-01 Prepared: 04/22/21 Analyzed: 04/26/21

Benzene	5.04	0.0250	5.00	ND	101	54-133			
Ethylbenzene	4.91	0.0250	5.00	ND	98.2	61-133			
Toluene	5.14	0.0250	5.00	ND	103	61-130			
o-Xylene	5.07	0.0250	5.00	ND	101	63-131			
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131			
Total Xylenes	15.1	0.0250	15.0	ND	100	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.36		8.00		91.9	70-130			

Matrix Spike Dup (2117026-MSD1)

Source: E104094-01 Prepared: 04/22/21 Analyzed: 04/26/21

Benzene	4.96	0.0250	5.00	ND	99.2	54-133	1.50	20	
Ethylbenzene	4.83	0.0250	5.00	ND	96.6	61-133	1.69	20	
Toluene	5.05	0.0250	5.00	ND	101	61-130	1.81	20	
o-Xylene	4.99	0.0250	5.00	ND	99.9	63-131	1.46	20	
p,m-Xylene	9.84	0.0500	10.0	ND	98.4	63-131	1.70	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.9	63-131	1.62	20	
Surrogate: 4-Bromochlorobenzene-PID	7.39		8.00		92.4	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	Longview Federal 12-4H	Reported:
5315 Buena Vista Dr	Project Number:	04108-0639	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	4/27/2021 3:32:55PM

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 (2117026-BLK1)

Prepared: 04/22/21 Analyzed: 04/26/21

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.48		8.00		106	70-130			

LCS (2117026-BS2)

Prepared: 04/22/21 Analyzed: 04/26/21

Gasoline Range Organics (C6-C10)	50.5	20.0	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.38		8.00		105	70-130			

Matrix Spike (2117026-MS2)

Source: E104094-01 Prepared: 04/22/21 Analyzed: 04/26/21

Gasoline Range Organics (C6-C10)	52.9	20.0	50.0	ND	106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.51		8.00		106	70-130			

Matrix Spike Dup (2117026-MSD2)

Source: E104094-01 Prepared: 04/22/21 Analyzed: 04/26/21

Gasoline Range Organics (C6-C10)	52.4	20.0	50.0	ND	105	70-130	0.874	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.61		8.00		108	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	Longview Federal 12-4H	Reported:
5315 Buena Vista Dr	Project Number:	04108-0639	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	4/27/2021 3:32:55PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HT

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 (2117034-BLK1)

Prepared: 04/23/21 Analyzed: 04/23/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: n-Nonane	50.6		50.0		101	50-200			

LCS (2117034-BS1)

Prepared: 04/23/21 Analyzed: 04/23/21

Diesel Range Organics (C10-C28)	515	25.0	500		103	38-132			
Surrogate: n-Nonane	47.8		50.0		95.6	50-200			

Matrix Spike (2117034-MS1)

Source: E104094-04 Prepared: 04/23/21 Analyzed: 04/23/21

Diesel Range Organics (C10-C28)	530	25.0	500	ND	106	38-132			
Surrogate: n-Nonane	48.8		50.0		97.6	50-200			

Matrix Spike Dup (2117034-MSD1)

Source: E104094-04 Prepared: 04/23/21 Analyzed: 04/23/21

Diesel Range Organics (C10-C28)	528	25.0	500	ND	106	38-132	0.248	20	
Surrogate: n-Nonane	49.3		50.0		98.6	50-200			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	Longview Federal 12-4H	Reported:
5315 Buena Vista Dr	Project Number:	04108-0639	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	4/27/2021 3:32:55PM

Anions by EPA 300.0/9056A

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 (2117032-BLK1)

Prepared: 04/23/21 Analyzed: 04/23/21

Chloride ND 20.0

LCS (2117032-BS1)

Prepared: 04/23/21 Analyzed: 04/23/21

Chloride 243 20.0 250 97.1 90-110

Matrix Spike (2117032-MS1)

Source: E104094-01 Prepared: 04/23/21 Analyzed: 04/23/21

Chloride 289 20.0 250 44.2 98.1 80-120

Matrix Spike Dup (2117032-MSD1)

Source: E104094-01 Prepared: 04/23/21 Analyzed: 04/23/21

Chloride 301 20.0 250 44.2 103 80-120 3.80 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:	Longview Federal 12-4H	
5315 Buena Vista Dr	Project Number:	04108-0639	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	04/27/21 15:32

- 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 1

Client: WDPX
 Project: Longview Federal 12-4H
 Project Manager: Ashley Giovenco
 Address: 1224 Standpipe Rd
 City, State, Zip: Carlsbad NM 88220
 Phone: 505-382-1211
 Email: ashley_giovenco@wscampinc.com
 Report due by: 4-26-21 wscampinc.com

Bill To

Attention: WDPX - Jim Raley
 Address: _____
 City, State, Zip: _____
 Phone: _____
 Email: _____

Lab Use Only

Lab WO# E 104095 Job Number 041080639

TAT

1D 2D 3D Standard X

EPA Program

CWA SDWA

RCRA

State

NM CO UT AZ TX X

Remarks

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
1130	4/20	S	1	CONF01-O'	1							X		
1133	4/20	S	1	CONF02-O'	2							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.

Sampled by:

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) <u>Nate</u>	Date <u>04/21/21</u>	Time <u>8:45am</u>	Received by: (Signature) <u>Jim Raley</u>	Date <u>4-21-21</u>	Time <u>08:45</u>	Lab Use Only Received on ice: <u>Y</u> N
Relinquished by: (Signature)	Date	Time	Received by: (Signature) <u>Ashley Giovenco</u>	Date <u>4/22/21</u>	Time <u>10:15</u>	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

Envirotech Analytical Laboratory

Printed: 4/22/2021 12:57:47PM

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:	04/22/21 10:15	Work Order ID:	E104095
Phone:	(539) 573-4018	Date Logged In:	04/22/21 12:52	Logged In By:	Alexa Michaels
Email:	ashley.giovengo@wesominc.com	Due Date:	04/27/21 17:00 (3 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: Fed Ex**Comments/Resolution****Sample 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:

Shar Harvester



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

WPX Energy - Carlsbad

Project Name: Longview Federal 12-4

Work Order: E105020

Job Number: 21022-0001

Received: 5/7/2021

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/12/21

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: 5/12/21

Shar Harvester
5315 Buena Vista Dr
Carlsbad, NM 88220



Project Name: Longview Federal 12-4
Workorder: E105020
Date Received: 5/7/2021 1:23:00PM

Shar Harvester,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/7/2021 1:23:00PM, under the Project Name: Longview Federal 12-4.

The analytical test results summarized in this report with the Project Name: Longview Federal 12-4 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 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: Longview Federal 12-4 Project Number: 21022-0001 Project Manager: Shar Harvester	Reported: 05/12/21 13:09
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CONF04-0.5'	E105020-01A	Soil	05/04/21	05/07/21	Glass Jar, 4 oz.
CONF05-0.5'	E105020-02A	Soil	05/04/21	05/07/21	Glass Jar, 4 oz.
CONF02-1'	E105020-03A	Soil	05/04/21	05/07/21	Glass Jar, 4 oz.
SS02-0.5'	E105020-04A	Soil	05/04/21	05/07/21	Glass Jar, 4 oz.
SS06-0.5'	E105020-05A	Soil	05/04/21	05/07/21	Glass Jar, 4 oz.



Sample Data

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

Project Name: Longview Federal 12-4
Project Number: 21022-0001
Project Manager: Shar Harvester

Reported:
5/12/2021 1:09:22PM

CONF04-0.5'

E105020-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2119027
Benzene	ND	0.0250	1	05/07/21	05/11/21	
Ethylbenzene	ND	0.0250	1	05/07/21	05/11/21	
Toluene	ND	0.0250	1	05/07/21	05/11/21	
o-Xylene	ND	0.0250	1	05/07/21	05/11/21	
p,m-Xylene	ND	0.0500	1	05/07/21	05/11/21	
Total Xylenes	ND	0.0250	1	05/07/21	05/11/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.9 %	70-130		05/07/21	05/11/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2119027
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/21	05/11/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.6 %	70-130		05/07/21	05/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2120008
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/21	05/11/21	
Oil Range Organics (C28-C35)	ND	50.0	1	05/10/21	05/11/21	
<i>Surrogate: n-Nonane</i>						
	91.9 %	50-200		05/10/21	05/11/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2120009
Chloride	435	20.0	1	05/10/21	05/10/21	



Sample Data

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

Project Name: Longview Federal 12-4
Project Number: 21022-0001
Project Manager: Shar Harvester

Reported:
5/12/2021 1:09:22PM

CONF05-0.5'

E105020-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2119027
Benzene	ND	0.0250	1	05/07/21	05/11/21	
Ethylbenzene	ND	0.0250	1	05/07/21	05/11/21	
Toluene	ND	0.0250	1	05/07/21	05/11/21	
o-Xylene	ND	0.0250	1	05/07/21	05/11/21	
p,m-Xylene	ND	0.0500	1	05/07/21	05/11/21	
Total Xylenes	ND	0.0250	1	05/07/21	05/11/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.6 %	70-130		05/07/21	05/11/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2119027
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/21	05/11/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.6 %	70-130		05/07/21	05/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2120008
Diesel Range Organics (C10-C28)	58.3	25.0	1	05/10/21	05/11/21	
Oil Range Organics (C28-C35)	144	50.0	1	05/10/21	05/11/21	
<i>Surrogate: n-Nonane</i>						
	86.2 %	50-200		05/10/21	05/11/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2120009
Chloride	43.8	20.0	1	05/10/21	05/10/21	



Sample Data

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

Project Name: Longview Federal 12-4
Project Number: 21022-0001
Project Manager: Shar Harvester

Reported:
5/12/2021 1:09:22PM

CONF02-1'

E105020-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2119027
Benzene	ND	0.0250	1	05/07/21	05/11/21	
Ethylbenzene	ND	0.0250	1	05/07/21	05/11/21	
Toluene	ND	0.0250	1	05/07/21	05/11/21	
o-Xylene	ND	0.0250	1	05/07/21	05/11/21	
p,m-Xylene	ND	0.0500	1	05/07/21	05/11/21	
Total Xylenes	ND	0.0250	1	05/07/21	05/11/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.3 %	70-130		05/07/21	05/11/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2119027
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/21	05/11/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.9 %	70-130		05/07/21	05/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2120008
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/21	05/11/21	
Oil Range Organics (C28-C35)	ND	50.0	1	05/10/21	05/11/21	
<i>Surrogate: n-Nonane</i>						
	94.0 %	50-200		05/10/21	05/11/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2120009
Chloride	121	20.0	1	05/10/21	05/11/21	



Sample Data

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

Project Name: Longview Federal 12-4
Project Number: 21022-0001
Project Manager: Shar Harvester

Reported:
5/12/2021 1:09:22PM

SS02-0.5'

E105020-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2119027
Benzene	ND	0.0250	1	05/07/21	05/11/21	
Ethylbenzene	ND	0.0250	1	05/07/21	05/11/21	
Toluene	ND	0.0250	1	05/07/21	05/11/21	
o-Xylene	ND	0.0250	1	05/07/21	05/11/21	
p,m-Xylene	ND	0.0500	1	05/07/21	05/11/21	
Total Xylenes	ND	0.0250	1	05/07/21	05/11/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.5 %	70-130		05/07/21	05/11/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2119027
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/21	05/11/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.6 %	70-130		05/07/21	05/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2120008
Diesel Range Organics (C10-C28)	25.6	25.0	1	05/10/21	05/11/21	
Oil Range Organics (C28-C35)	53.7	50.0	1	05/10/21	05/11/21	
<i>Surrogate: n-Nonane</i>						
	95.5 %	50-200		05/10/21	05/11/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2120009
Chloride	23.3	20.0	1	05/10/21	05/11/21	



Sample Data

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

Project Name: Longview Federal 12-4
Project Number: 21022-0001
Project Manager: Shar Harvester

Reported:
5/12/2021 1:09:22PM

SS06-0.5'

E105020-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2119027
Benzene	ND	0.0250	1	05/07/21	05/11/21	
Ethylbenzene	ND	0.0250	1	05/07/21	05/11/21	
Toluene	ND	0.0250	1	05/07/21	05/11/21	
o-Xylene	ND	0.0250	1	05/07/21	05/11/21	
p,m-Xylene	ND	0.0500	1	05/07/21	05/11/21	
Total Xylenes	ND	0.0250	1	05/07/21	05/11/21	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.2 %	70-130		05/07/21	05/11/21	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2119027
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/07/21	05/11/21	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.8 %	70-130		05/07/21	05/11/21	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2120008
Diesel Range Organics (C10-C28)	59.2	25.0	1	05/10/21	05/11/21	
Oil Range Organics (C28-C35)	114	50.0	1	05/10/21	05/11/21	
<i>Surrogate: n-Nonane</i>						
	97.1 %	50-200		05/10/21	05/11/21	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2120009
Chloride	55.9	20.0	1	05/10/21	05/11/21	



QC Summary Data

WPX Energy - Carlsbad	Project Name:	Longview Federal 12-4	Reported:
5315 Buena Vista Dr	Project Number:	21022-0001	
Carlsbad NM, 88220	Project Manager:	Shar Harvester	5/12/2021 1:09:22PM

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 (2119027-BLK1)

Prepared: 05/07/21 Analyzed: 05/10/21

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	7.17		8.00		89.7	70-130			

LCS (2119027-BS1)

Prepared: 05/07/21 Analyzed: 05/10/21

Benzene	5.11	0.0250	5.00		102	70-130			
Ethylbenzene	4.98	0.0250	5.00		99.6	70-130			
Toluene	5.22	0.0250	5.00		104	70-130			
o-Xylene	5.15	0.0250	5.00		103	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.3	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.41		8.00		92.6	70-130			

Matrix Spike (2119027-MS1)

Source: E105013-01 Prepared: 05/07/21 Analyzed: 05/10/21

Benzene	5.25	0.0250	5.00	ND	105	54-133			
Ethylbenzene	5.09	0.0250	5.00	ND	102	61-133			
Toluene	5.34	0.0250	5.00	ND	107	61-130			
o-Xylene	5.26	0.0250	5.00	ND	105	63-131			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131			
Total Xylenes	15.6	0.0250	15.0	ND	104	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.50		8.00		93.7	70-130			

Matrix Spike Dup (2119027-MSD1)

Source: E105013-01 Prepared: 05/07/21 Analyzed: 05/10/21

Benzene	5.08	0.0250	5.00	ND	102	54-133	3.30	20	
Ethylbenzene	4.94	0.0250	5.00	ND	98.9	61-133	2.80	20	
Toluene	5.17	0.0250	5.00	ND	103	61-130	3.26	20	
o-Xylene	5.13	0.0250	5.00	ND	103	63-131	2.62	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	2.69	20	
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131	2.67	20	
Surrogate: 4-Bromochlorobenzene-PID	7.56		8.00		94.5	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	Longview Federal 12-4	Reported:
5315 Buena Vista Dr	Project Number:	21022-0001	
Carlsbad NM, 88220	Project Manager:	Shar Harvester	5/12/2021 1:09:22PM

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 (2119027-BLK1)

Prepared: 05/07/21 Analyzed: 05/10/21

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.40		8.00		105	70-130			

LCS (2119027-BS2)

Prepared: 05/07/21 Analyzed: 05/10/21

Gasoline Range Organics (C6-C10)	53.3	20.0	50.0		107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.41		8.00		105	70-130			

Matrix Spike (2119027-MS2)

Source: E105013-01 Prepared: 05/07/21 Analyzed: 05/10/21

Gasoline Range Organics (C6-C10)	50.6	20.0	50.0	ND	101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.40		8.00		105	70-130			

Matrix Spike Dup (2119027-MSD2)

Source: E105013-01 Prepared: 05/07/21 Analyzed: 05/10/21

Gasoline Range Organics (C6-C10)	49.1	20.0	50.0	ND	98.2	70-130	2.99	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.22		8.00		103	70-130			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	Longview Federal 12-4	Reported:
5315 Buena Vista Dr	Project Number:	21022-0001	
Carlsbad NM, 88220	Project Manager:	Shar Harvester	5/12/2021 1:09:22PM

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 (2120008-BLK1)

Prepared: 05/10/21 Analyzed: 05/10/21

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: <i>n</i> -Nonane	46.7		50.0		93.4	50-200			

LCS (2120008-BS1)

Prepared: 05/10/21 Analyzed: 05/10/21

Diesel Range Organics (C10-C28)	436	25.0	500		87.2	38-132			
Surrogate: <i>n</i> -Nonane	41.8		50.0		83.6	50-200			

Matrix Spike (2120008-MS1)

Source: E105020-01 Prepared: 05/10/21 Analyzed: 05/10/21

Diesel Range Organics (C10-C28)	458	25.0	500	ND	91.5	38-132			
Surrogate: <i>n</i> -Nonane	43.0		50.0		86.1	50-200			

Matrix Spike Dup (2120008-MSD1)

Source: E105020-01 Prepared: 05/10/21 Analyzed: 05/10/21

Diesel Range Organics (C10-C28)	466	25.0	500	ND	93.2	38-132	1.78	20	
Surrogate: <i>n</i> -Nonane	43.6		50.0		87.1	50-200			



QC Summary Data

WPX Energy - Carlsbad	Project Name:	Longview Federal 12-4	Reported:
5315 Buena Vista Dr	Project Number:	21022-0001	
Carlsbad NM, 88220	Project Manager:	Shar Harvester	5/12/2021 1:09:22PM

Anions by EPA 300.0/9056A

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 (2120009-BLK1)

Prepared: 05/10/21 Analyzed: 05/10/21

Chloride	ND	20.0
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LCS (2120009-BS1)

Prepared: 05/10/21 Analyzed: 05/10/21

Chloride	247	20.0	250	98.8	90-110
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Matrix Spike (2120009-MS1)

Source: E105011-12 Prepared: 05/10/21 Analyzed: 05/10/21

Chloride	453	20.0	250	189	106	80-120
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Matrix Spike Dup (2120009-MSD1)

Source: E105011-12 Prepared: 05/10/21 Analyzed: 05/10/21

Chloride	430	20.0	250	189	96.4	80-120	5.27	20
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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:	Longview Federal 12-4	
5315 Buena Vista Dr	Project Number:	21022-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Shar Harvester	05/12/21 13:09

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.



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envirotech

Envirotech Analytical Laboratory

Printed: 5/7/2021 1:39:14PM

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:	05/07/21 13:23	Work Order ID:	E105020
Phone:	(539) 573-4018	Date Logged In:	05/07/21 13:32	Logged In By:	Alexa Michaels
Email:	shar.harvester@wescominc.com	Due Date:	05/12/21 17:00 (3 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: Lynn Estes**Comments/Resolution****Sample 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.

Incident ID	NRM2034932546
District RP	
Facility ID	
Application ID	

Remediation Plan


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

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☒ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☒ Extents of contamination must be fully delineated.
- ☒ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: James Raley Title: Environmental Professional
Signature:  Date: 7/15/2021
email: jim.raley@dm.com Telephone: 575-689-7597

OCD Only

Received by: Robert Hamlet Date: 10/6/2021

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☒ Deferral Approved

Signature:  Date: 10/6/2021

District I

1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 36536

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 36536
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	WPX's deferral requests to complete final remediation of soil sample location CONF02 during any future major deconstruction/alteration and/or abandonment, whichever occurs first. At this time, OCD approves the request. The Deferral Request and C-141 will be accepted for record and marked accordingly. The release will remain open in OCD database files and reflect an open environmental issue. This is a Federal site and will require like approval from BLM.	10/6/2021