

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	
District RP	NCE2002428762
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: WPX Energy Permian, LLC.	OGRID: 246289
Contact Name: Lynda Laumbach	Contact Telephone: (575) 725-1647
Contact email: Lynda.Laumbach@wpxenergy.com	Incident # (assigned by OCD)
Contact mailing address: 5315 Buena Vista Drive, Carlsbad, NM 88220	

Location of Release Source

Latitude 32.35343 _____ Longitude -104.17968 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Warren Fee #001 (Hepler/Warren pad)	Site Type: Production Facility
Date Release Discovered: 11/15/2019	API# (if applicable): 30-015-42014

Unit Letter	Section	Township	Range	County
C	34	22S	27E	Eddy

Surface Owner: State Federal Tribal Private

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 1/2	Volume Recovered (bbls) 0
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 26.5	Volume Recovered (bbls) 25
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" 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)

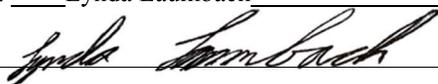
Cause of Release: Gasket failure on vertical separator caused 27 bbl(s) of fluid to release into lined secondary containment. 25 bbl(s) of fluid was recovered with a vacuum truck. ~2 bbl(s) of fluid sprayed out of containment into the pasture.

Incident ID	
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Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Volume exceeded 25 bbls
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Verbal and email notification to Mike Bratcher on 11/15/2019.	

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>Lynda Laumbach</u> Title: <u>Environmental Specialist</u> Signature:  Date: <u>11/18/2019</u> email: <u>Lynda.Laumbach@wpenergy.com</u> Telephone: <u>(575) 725-1647</u>
<u>OCD Only</u> Received by: _____ Date: _____

Incident ID	
District RP	NCE2002428762
Facility ID	
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>50</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 checked="" type="checkbox"/> Yes <input 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.

Incident ID	
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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: Lynda Laumbach Title: Environmental Specialist
Signature:  Date: 07/28/2020
email: Lynda.Laumbach@wpenergy.com Telephone: (575)-725-1647

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	NCE2002428762
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Lynda Laumbach Title: Environmental Specialist
 Signature:  Date: 07/28/2020
 email: Lynda.Laumbach@wpenergy.com Telephone: (575)-725-1647

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

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

Incident ID	
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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 32.35109 _____ Longitude -104.17955 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: HEPLER FEE #001	Site Type: Production Facility
Date Release Discovered: 7/11/2020	API# (if applicable): 30-015-42350

Unit Letter	Section	Township	Range	County
F	34	22S	27E	Eddy

Surface Owner: State Federal Tribal Private

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls)2	Volume Recovered (bbls)2
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 33	Volume Recovered (bbls) 33
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" 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: Hole in fire tube allowed approx. 35 bbls of fluids to be released to lined secondary containment, fluids fully recovered. Liner to be inspected.

bbl estimate = recovered fluids (bbl)

State of New Mexico
Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Volume exceeded 25 bbls.
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If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
 Email to NMOCD District II Office and NMOCD Director on 7/11/2020.

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 not been undertaken, explain why:

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Printed Name: Jim Raley Title: Environmental Specialist
 Signature:  Date: 7/14/2020
 email: james.raley@wpenergy.com Telephone: 575-689-7597

OCD Only
 Received by: _____ Date: _____

Incident ID	
District RP	NRM2019959765
Facility ID	
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?	<50 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Printed Name: Lynda Laumbach Title: Environmental Specialist
Signature:  Date: 07/28/2020
email: Lynda.Laumbach@wpenergy.com Telephone: (575)-725-1647

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	NRM2019959765
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Application ID	

Closure

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- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

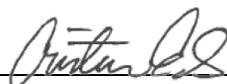
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Printed Name: Lynda Laumbach Title: Environmental Specialist
 Signature:  Date: 07/28/2020
 email: Lynda.Laumbach@wpenergy.com Telephone: (575)-725-1647

OCD Only

Received by: Cristina Eads Date: 07/29/2020

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:  Date: 09/21/2020
 Printed Name: Cristina Eads Title: Environmental Specialist



July 29, 2020
Mike Bratcher
NMOCD District 2
811 South First Street
Artesia, NM 88210

Re: Hepler Fee #001 Release Closure Request (NCE2002428762 & NRM2019959765)

Mr. Bratcher,

This report summarizes the continued delineation sampling, and secondary containment inspection activities at the Hepler Fee #001 well pad (Site). The Site map is included as Figure 01. The initial closure report for Incident# NCE2002428762 was sent in on February 13, 2020 and denied closure on March 20, 2020 due to lack of sampling in the pasture. Please reference previous report for additional information on this release. While addressing Incident# NCE2002428762, the release denoted as Incident# NRM2019959765 occurred on July 11, 2020 when the firetube on the vertical separator developed a leak and caused 33 barrels (bbls) of produced water and 2 bbls of oil to be released inside the lined secondary containment. All fluids were recovered via vacuum truck on the day of the release.

Well Location: Hepler Fee #001

API #: 30-015-42014

NMOCD Reference #: NCE2002428762 & NRM2019959765

Site Characterization Standards: 600 milligrams per kilogram (mg/kg) Chloride, 50 mg/kg Benzene, Toluene, Ethylbenzene, and xylenes (BTEX), 10 mg/kg Benzene, 100 mg/kg Total Petroleum Hydrocarbons (TPH) [please see previous report for additional information]

Field Activities

To address issues with the initial closure report for NCE2002428762, on June 18, 2020 WPX notified the NMOCD that sampling would take place on June 24, 2020. Samples Surface01 through Surface16 were sampled on June 24, 2020. Sample locations are located on Figure 02 and pictures are provided in Attachment 01. Samples taken on June 24, 2020 are in the original release extent. As depicted on the Figure02, WPX scraped an area larger than the original release extent per landowner request.

On July 13, 2020, the containment was power washed in response to NRM2019959765 to prepare containment for inspection. The NMOCD was provided notification of a liner inspection via email on July 17, 2020 for an inspection date of July 23, 2020. The liner inspection was completed on July 22, 2020 and pictures are provided in Attachment 01.

Sampling Activities & Laboratory Analytical Results

Discrete delineation samples were taken throughout the misted area west of the pad. All samples were taken with decontaminated equipment, jarred in precleaned glass soil jars, labelled with sample name, date, Site name, and depth, and immediately placed on ice to lower sample temperatures below 4° Celsius, adhering to strict chain of custody of Etech laboratories. Analysis

was completed at Etech Laboratories in Albuquerque, NM. All samples were analyzed for Chlorides via Method EPA 300.0, TPH via Method 8015M, and BTEX via Method 8021B.

Laboratory Analytical Results

The laboratory analytical results for the discrete samples were compliant with the closure criteria for this Site. Delineation sample results, Surface01- Surface16, are below the allowable standards for Chloride, BTEX, and TPH. The sample results are summarized in Table 1 of this report and the corresponding laboratory results are provided in Attachment 02.

- Chloride samples ranged from below the laboratory detectable limit to 49.2 mg/kg
- BTEX analysis was below the Laboratory detectable limit
- Benzene analysis was below the Laboratory detectable limit
- TPH was below the Laboratory detectable limit

Conclusions

The laboratory analytical results to address the impacted soils from NCE2002428762 demonstrates compliance with the Table 1 Closure Criteria set forth by the NMOCD. The secondary containment was determined to be intact and functioning properly to contain releases in response to incident NRM2019959765. Actions to mitigate initial impacts of this site have proven a successful remediation. WPX requests no further action for this incident. Both C-141s are included at the beginning of this report.

If any questions or further information is warranted, please do not hesitate to contact me at (575) 725-1647 or by email at Lynda.Laumbach@wpxenergy.com.

Best regards,



Lynda Laumbach
Environmental Specialist

CC: Robert Hamlet, NMOCD
Victoria Venegas, NMOCD

Attachments:

Figure 01 Site Map
Figure 02 Delineation Activities
Table 01 Sample Results
Attachment 01 Photograph Log
Attachment 02 Laboratory Analytical Results

Figures

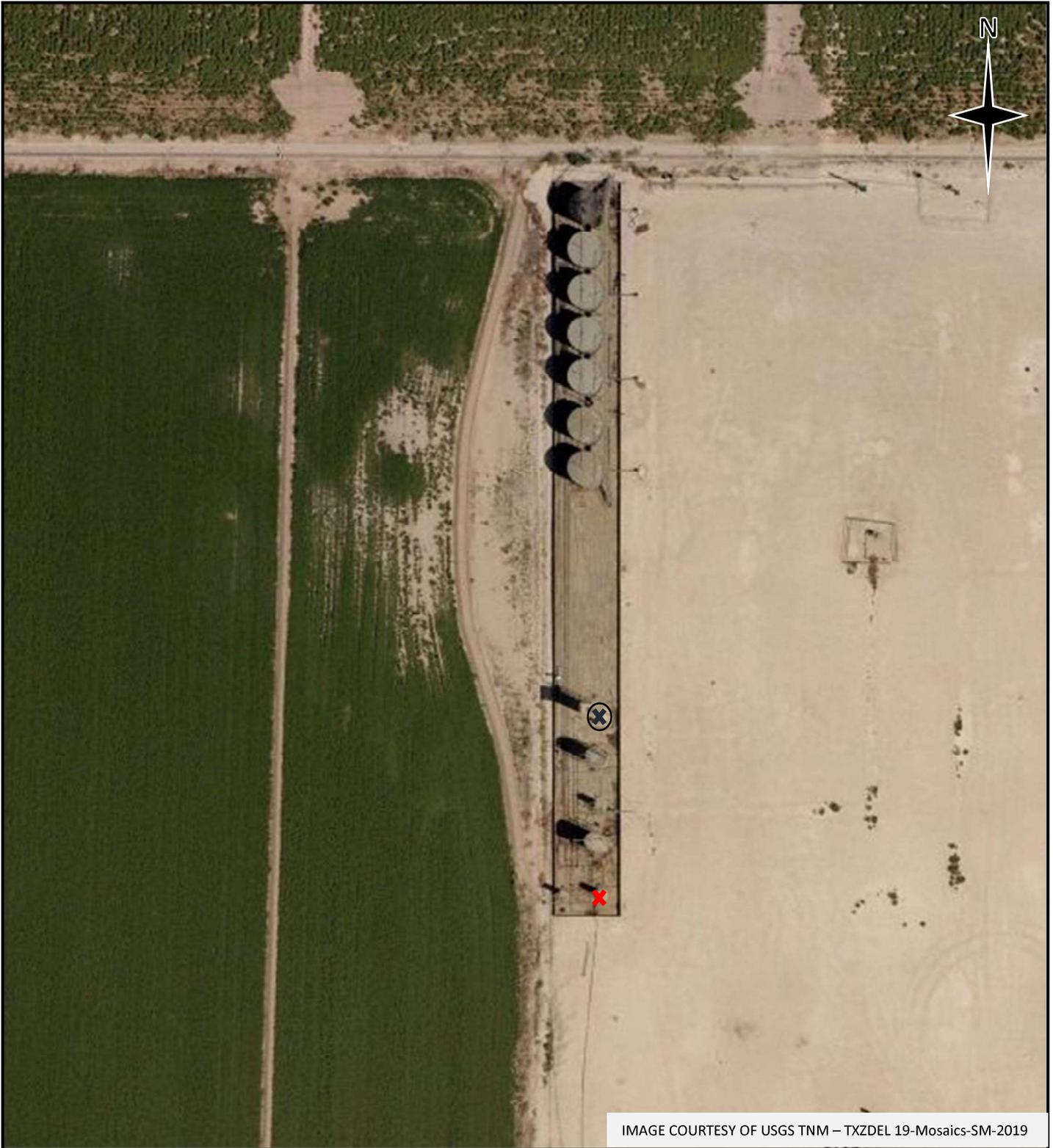
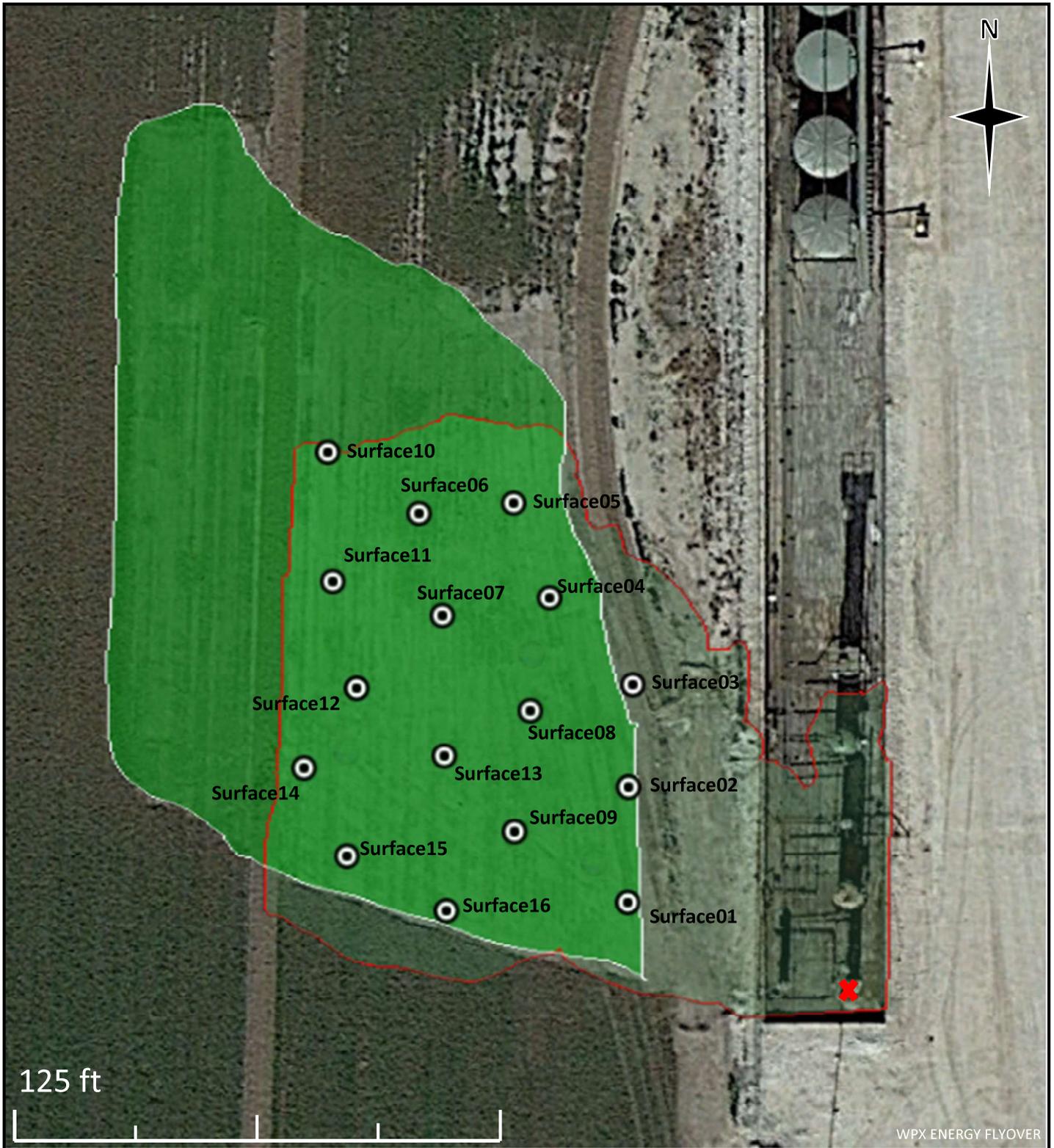


IMAGE COURTESY OF USGS TNM – TXZDEL 19-Mosaics-SM-2019

Legend

- ✘ NCE2002428762
- ⊗ NRM2019959765

Figure 01
Hepler Fee #001
30-015-42014
Permian Basin, Eddy County, NM
32.353409, -104.179672



Legend

-  Point of Release (NCE2002428762)
-  Scraped Surface
-  Release Extent

Figure 02
Hepler Fee #001
30-015-42014

Permian Basin, Eddy County, NM

32.353409, -104.179672

Table



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS

HEPLER FEE #001

NMOCD REFERENCE NUMBER: NCE2002428762

Sample Name	Depth (ft bgs)	Sample Date	Benzene (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	GRO + DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
Surface01	0-0.08	6/24/2020	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	30.2
Surface02	0-0.08	6/24/2020	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	26.0
Surface03	0-0.08	6/24/2020	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	28.3
Surface04	0-0.08	6/24/2020	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
Surface05	0-0.08	6/24/2020	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	39.9
Surface06	0-0.08	6/24/2020	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	40.3
Surface07	0-0.08	6/24/2020	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	43.4
Surface08	0-0.08	6/24/2020	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	39.7
Surface09	0-0.08	6/24/2020	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	43.5
Surface10	0-0.08	6/24/2020	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	49.2
Surface11	0-0.08	6/24/2020	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	34.3
Surface12	0-0.08	6/24/2020	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	38.2
Surface13	0-0.08	6/24/2020	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	40.8
Surface14	0-0.08	6/24/2020	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	23.4
Surface15	0-0.08	6/24/2020	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
Surface16	0-0.08	6/24/2020	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<20.0	<20.0
NMOCD Table 1 Closure Criteria			10	50	NE	NE	NE	NE	100	600.0

Reference: BTEX: benzene, toluene, ethylbenzene, and total xylenes mg/kg: milligrams per kilogram
 GRO: gasoline range organics NMOCD: New Mexico Oil Conservation Division
 DRO: diesel range organics TPH: total petroleum hydrocarbons
 ft bgs: feet below ground surface
 NMOCD Table 1 Closure Criteria: NMAC 19.15.29 August 2018 criteria for soils impacted based on characterization

Attachment 01: Photograph Log



Picture 1- West face, west edge of Site

24-Jun-20



Picture 2- North face, west edge of Site

24-Jun-20



Picture 3- West face, west edge of Site

24-Jun-20



Picture 4- Northwest face, west edge of Site

24-Jun-20





Picture 5- South face, south edge of TB

23-Jul-20



Picture 6- northeast face, southeast edge of TB

23-Jul-20



Picture 7- North face, south edge of TB

23-Jul-20



Picture 8- North face, middle of TB

23-Jul-20



Attachment 02: Analytical Reports



Analytical Report

Report Summary

Client: WPX Energy - Carlsbad

Samples Received: 6/25/2020

Job Number: 04108-0639

Work Order: P006080

Project Name/Location: Hepler Fee #001

Report Reviewed By:

A handwritten signature in black ink that reads 'Walter Hinchman'.

Date: 6/30/20

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNi unless footnoted 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 NM009792018-1 for the data reported.
 Envirotech, Inc, holds the Texas TNi certification T104704557-19-2 for the data reported.





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

Project Name: Hepler Fee #001
Project Number: 04108-0639
Project Manager: Lynda Laumbach

Reported:
06/30/20 10:11

Sample Summary

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Surface 01	P006080-01A	Soil	06/24/20	06/25/20	Glass Jar, 4 oz.
Surface 02	P006080-02A	Soil	06/24/20	06/25/20	Glass Jar, 4 oz.
Surface 03	P006080-03A	Soil	06/24/20	06/25/20	Glass Jar, 4 oz.
Surface 04	P006080-04A	Soil	06/24/20	06/25/20	Glass Jar, 4 oz.
Surface 05	P006080-05A	Soil	06/24/20	06/25/20	Glass Jar, 4 oz.
Surface 06	P006080-06A	Soil	06/24/20	06/25/20	Glass Jar, 4 oz.
Surface 07	P006080-07A	Soil	06/24/20	06/25/20	Glass Jar, 4 oz.
Surface 08	P006080-08A	Soil	06/24/20	06/25/20	Glass Jar, 4 oz.
Surface 09	P006080-09A	Soil	06/24/20	06/25/20	Glass Jar, 4 oz.
Surface 10	P006080-10A	Soil	06/24/20	06/25/20	Glass Jar, 4 oz.
Surface 11	P006080-11A	Soil	06/24/20	06/25/20	Glass Jar, 4 oz.
Surface 12	P006080-12A	Soil	06/24/20	06/25/20	Glass Jar, 4 oz.
Surface 13	P006080-13A	Soil	06/24/20	06/25/20	Glass Jar, 4 oz.
Surface 14	P006080-14A	Soil	06/24/20	06/25/20	Glass Jar, 4 oz.
Surface 15	P006080-15A	Soil	06/24/20	06/25/20	Glass Jar, 4 oz.
Surface 16	P006080-16A	Soil	06/24/20	06/25/20	Glass Jar, 4 oz.

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WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: Hepler Fee #001 Project Number: 04108-0639 Project Manager: Lynda Laumbach	Reported: 06/30/20 10:11
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Surface 01
P006080-01 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2026021
Benzene	ND	0.0250	1	06/25/20	06/25/20	
Toluene	ND	0.0250	1	06/25/20	06/25/20	
Ethylbenzene	ND	0.0250	1	06/25/20	06/25/20	
p,m-Xylene	ND	0.0500	1	06/25/20	06/25/20	
o-Xylene	ND	0.0250	1	06/25/20	06/25/20	
Total Xylenes	ND	0.0250	1	06/25/20	06/25/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	50-150	06/25/20	06/25/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2026027
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/20	06/26/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/26/20	06/26/20	
<i>Surrogate: n-Nonane</i>		113 %	50-200	06/26/20	06/26/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2026021
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/25/20	06/25/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.3 %	50-150	06/25/20	06/25/20	
Anions by EPA 300.0/9056A						Batch: 2026019
Chloride	30.2	20.0	1	06/25/20	06/26/20	

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

Project Name: Hepler Fee #001
Project Number: 04108-0639
Project Manager: Lynda Laumbach

Reported:
06/30/20 10:11

Surface 02
P006080-02 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg				Batch: 2026021
Benzene	ND	0.0250	1	06/25/20	06/25/20	
Toluene	ND	0.0250	1	06/25/20	06/25/20	
Ethylbenzene	ND	0.0250	1	06/25/20	06/25/20	
p,m-Xylene	ND	0.0500	1	06/25/20	06/25/20	
o-Xylene	ND	0.0250	1	06/25/20	06/25/20	
Total Xylenes	ND	0.0250	1	06/25/20	06/25/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	50-150	06/25/20	06/25/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg				Batch: 2026027
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/20	06/26/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/26/20	06/26/20	
<i>Surrogate: n-Nonane</i>		115 %	50-200	06/26/20	06/26/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg				Batch: 2026021
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/25/20	06/25/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.3 %	50-150	06/25/20	06/25/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg				Batch: 2026019
Chloride	26.0	20.0	1	06/25/20	06/26/20	

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

Project Name: Hepler Fee #001
Project Number: 04108-0639
Project Manager: Lynda Laumbach

Reported:
06/30/20 10:11

Surface 03
P006080-03 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg				Batch: 2026021
Benzene	ND	0.0250	1	06/25/20	06/25/20	
Toluene	ND	0.0250	1	06/25/20	06/25/20	
Ethylbenzene	ND	0.0250	1	06/25/20	06/25/20	
p,m-Xylene	ND	0.0500	1	06/25/20	06/25/20	
o-Xylene	ND	0.0250	1	06/25/20	06/25/20	
Total Xylenes	ND	0.0250	1	06/25/20	06/25/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	50-150	06/25/20	06/25/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg				Batch: 2026027
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/20	06/26/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/26/20	06/26/20	
<i>Surrogate: n-Nonane</i>						
		84.3 %	50-200	06/26/20	06/26/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg				Batch: 2026021
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/25/20	06/25/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.1 %	50-150	06/25/20	06/25/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg				Batch: 2026019
Chloride	28.3	20.0	1	06/25/20	06/26/20	

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

Project Name: Hepler Fee #001
Project Number: 04108-0639
Project Manager: Lynda Laumbach

Reported:
06/30/20 10:11

Surface 04
P006080-04 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2026021
Benzene	ND	0.0250	1	06/25/20	06/26/20	
Toluene	ND	0.0250	1	06/25/20	06/26/20	
Ethylbenzene	ND	0.0250	1	06/25/20	06/26/20	
p,m-Xylene	ND	0.0500	1	06/25/20	06/26/20	
o-Xylene	ND	0.0250	1	06/25/20	06/26/20	
Total Xylenes	ND	0.0250	1	06/25/20	06/26/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %	50-150	06/25/20	06/26/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2026027
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/20	06/26/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/26/20	06/26/20	
<i>Surrogate: n-Nonane</i>		89.6 %	50-200	06/26/20	06/26/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2026021
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/25/20	06/26/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.8 %	50-150	06/25/20	06/26/20	
Anions by EPA 300.0/9056A						Batch: 2026019
Chloride	ND	20.0	1	06/25/20	06/26/20	

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WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: Hepler Fee #001 Project Number: 04108-0639 Project Manager: Lynda Laumbach	Reported: 06/30/20 10:11
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Surface 05
P006080-05 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2026021
Benzene	ND	0.0250	1	06/25/20	06/26/20	
Toluene	ND	0.0250	1	06/25/20	06/26/20	
Ethylbenzene	ND	0.0250	1	06/25/20	06/26/20	
p,m-Xylene	ND	0.0500	1	06/25/20	06/26/20	
o-Xylene	ND	0.0250	1	06/25/20	06/26/20	
Total Xylenes	ND	0.0250	1	06/25/20	06/26/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	50-150	06/25/20	06/26/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2026027
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/20	06/26/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/26/20	06/26/20	
<i>Surrogate: n-Nonane</i>		80.1 %	50-200	06/26/20	06/26/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2026021
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/25/20	06/26/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.7 %	50-150	06/25/20	06/26/20	
Anions by EPA 300.0/9056A						Batch: 2026019
Chloride	39.9	20.0	1	06/25/20	06/26/20	

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

Project Name: Hepler Fee #001
Project Number: 04108-0639
Project Manager: Lynda Laumbach

Reported:
06/30/20 10:11

Surface 06
P006080-06 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg				Batch: 2026021
Benzene	ND	0.0250	1	06/25/20	06/26/20	
Toluene	ND	0.0250	1	06/25/20	06/26/20	
Ethylbenzene	ND	0.0250	1	06/25/20	06/26/20	
p,m-Xylene	ND	0.0500	1	06/25/20	06/26/20	
o-Xylene	ND	0.0250	1	06/25/20	06/26/20	
Total Xylenes	ND	0.0250	1	06/25/20	06/26/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	50-150	06/25/20	06/26/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg				Batch: 2026027
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/20	06/26/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/26/20	06/26/20	
<i>Surrogate: n-Nonane</i>						
		93.1 %	50-200	06/26/20	06/26/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg				Batch: 2026021
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/25/20	06/26/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.6 %	50-150	06/25/20	06/26/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg				Batch: 2026019
Chloride	40.3	20.0	1	06/25/20	06/26/20	

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

Project Name: Hepler Fee #001
Project Number: 04108-0639
Project Manager: Lynda Laumbach

Reported:
06/30/20 10:11

Surface 07
P006080-07 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg				Batch: 2026021
Benzene	ND	0.0250	1	06/25/20	06/26/20	
Toluene	ND	0.0250	1	06/25/20	06/26/20	
Ethylbenzene	ND	0.0250	1	06/25/20	06/26/20	
p,m-Xylene	ND	0.0500	1	06/25/20	06/26/20	
o-Xylene	ND	0.0250	1	06/25/20	06/26/20	
Total Xylenes	ND	0.0250	1	06/25/20	06/26/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	50-150	06/25/20	06/26/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg				Batch: 2026027
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/20	06/26/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/26/20	06/26/20	
<i>Surrogate: n-Nonane</i>						
		88.0 %	50-200	06/26/20	06/26/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg				Batch: 2026021
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/25/20	06/26/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.4 %	50-150	06/25/20	06/26/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg				Batch: 2026019
Chloride	43.4	20.0	1	06/25/20	06/26/20	

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WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: Hepler Fee #001 Project Number: 04108-0639 Project Manager: Lynda Laumbach	Reported: 06/30/20 10:11
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Surface 08
P006080-08 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2026021
Benzene	ND	0.0250	1	06/25/20	06/26/20	
Toluene	ND	0.0250	1	06/25/20	06/26/20	
Ethylbenzene	ND	0.0250	1	06/25/20	06/26/20	
p,m-Xylene	ND	0.0500	1	06/25/20	06/26/20	
o-Xylene	ND	0.0250	1	06/25/20	06/26/20	
Total Xylenes	ND	0.0250	1	06/25/20	06/26/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	50-150	06/25/20	06/26/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2026027
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/20	06/26/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/26/20	06/26/20	
<i>Surrogate: n-Nonane</i>		95.0 %	50-200	06/26/20	06/26/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2026021
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/25/20	06/26/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.0 %	50-150	06/25/20	06/26/20	
Anions by EPA 300.0/9056A						Batch: 2026019
Chloride	39.7	20.0	1	06/25/20	06/26/20	

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

Project Name: Hepler Fee #001
Project Number: 04108-0639
Project Manager: Lynda Laumbach

Reported:
06/30/20 10:11

Surface 09
P006080-09 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2026021
Benzene	ND	0.0250	1	06/25/20	06/26/20	
Toluene	ND	0.0250	1	06/25/20	06/26/20	
Ethylbenzene	ND	0.0250	1	06/25/20	06/26/20	
p,m-Xylene	ND	0.0500	1	06/25/20	06/26/20	
o-Xylene	ND	0.0250	1	06/25/20	06/26/20	
Total Xylenes	ND	0.0250	1	06/25/20	06/26/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	50-150	06/25/20	06/26/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2026027
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/20	06/26/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/26/20	06/26/20	
<i>Surrogate: n-Nonane</i>		97.5 %	50-200	06/26/20	06/26/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2026021
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/25/20	06/26/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.4 %	50-150	06/25/20	06/26/20	
Anions by EPA 300.0/9056A						Batch: 2026019
Chloride	43.5	20.0	1	06/25/20	06/26/20	

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WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: Hepler Fee #001 Project Number: 04108-0639 Project Manager: Lynda Laumbach	Reported: 06/30/20 10:11
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Surface 10
P006080-10 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2026021
Benzene	ND	0.0250	1	06/25/20	06/26/20	
Toluene	ND	0.0250	1	06/25/20	06/26/20	
Ethylbenzene	ND	0.0250	1	06/25/20	06/26/20	
p,m-Xylene	ND	0.0500	1	06/25/20	06/26/20	
o-Xylene	ND	0.0250	1	06/25/20	06/26/20	
Total Xylenes	ND	0.0250	1	06/25/20	06/26/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		108 %	50-150	06/25/20	06/26/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2026027
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/20	06/26/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/26/20	06/26/20	
<i>Surrogate: n-Nonane</i>		97.4 %	50-200	06/26/20	06/26/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2026021
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/25/20	06/26/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.7 %	50-150	06/25/20	06/26/20	
Anions by EPA 300.0/9056A						Batch: 2026019
Chloride	49.2	20.0	1	06/25/20	06/26/20	

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WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: Hepler Fee #001 Project Number: 04108-0639 Project Manager: Lynda Laumbach	Reported: 06/30/20 10:11
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Surface 11
P006080-11 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2026021
Benzene	ND	0.0250	1	06/25/20	06/26/20	
Toluene	ND	0.0250	1	06/25/20	06/26/20	
Ethylbenzene	ND	0.0250	1	06/25/20	06/26/20	
p,m-Xylene	ND	0.0500	1	06/25/20	06/26/20	
o-Xylene	ND	0.0250	1	06/25/20	06/26/20	
Total Xylenes	ND	0.0250	1	06/25/20	06/26/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	50-150	06/25/20	06/26/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2026027
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/20	06/26/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/26/20	06/26/20	
<i>Surrogate: n-Nonane</i>		87.5 %	50-200	06/26/20	06/26/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2026021
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/25/20	06/26/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.4 %	50-150	06/25/20	06/26/20	
Anions by EPA 300.0/9056A						Batch: 2026019
Chloride	34.3	20.0	1	06/25/20	06/26/20	

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

Project Name: Hepler Fee #001
Project Number: 04108-0639
Project Manager: Lynda Laumbach

Reported:
06/30/20 10:11

Surface 12
P006080-12 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg				Batch: 2026021
Benzene	ND	0.0250	1	06/25/20	06/26/20	
Toluene	ND	0.0250	1	06/25/20	06/26/20	
Ethylbenzene	ND	0.0250	1	06/25/20	06/26/20	
p,m-Xylene	ND	0.0500	1	06/25/20	06/26/20	
o-Xylene	ND	0.0250	1	06/25/20	06/26/20	
Total Xylenes	ND	0.0250	1	06/25/20	06/26/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	50-150	06/25/20	06/26/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg				Batch: 2026027
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/20	06/26/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/26/20	06/26/20	
<i>Surrogate: n-Nonane</i>						
		93.4 %	50-200	06/26/20	06/26/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg				Batch: 2026021
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/25/20	06/26/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.5 %	50-150	06/25/20	06/26/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg				Batch: 2026019
Chloride	38.2	20.0	1	06/25/20	06/26/20	

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WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: Hepler Fee #001 Project Number: 04108-0639 Project Manager: Lynda Laumbach	Reported: 06/30/20 10:11
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Surface 13
P006080-13 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2026021
Benzene	ND	0.0250	1	06/25/20	06/26/20	
Toluene	ND	0.0250	1	06/25/20	06/26/20	
Ethylbenzene	ND	0.0250	1	06/25/20	06/26/20	
p,m-Xylene	ND	0.0500	1	06/25/20	06/26/20	
o-Xylene	ND	0.0250	1	06/25/20	06/26/20	
Total Xylenes	ND	0.0250	1	06/25/20	06/26/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	50-150	06/25/20	06/26/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2026027
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/20	06/26/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/26/20	06/26/20	
<i>Surrogate: n-Nonane</i>		77.2 %	50-200	06/26/20	06/26/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2026021
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/25/20	06/26/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.5 %	50-150	06/25/20	06/26/20	
Anions by EPA 300.0/9056A						Batch: 2026019
Chloride	40.8	20.0	1	06/25/20	06/26/20	

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

Project Name: Hepler Fee #001
Project Number: 04108-0639
Project Manager: Lynda Laumbach

Reported:
06/30/20 10:11

Surface 14
P006080-14 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg				Batch: 2026021
Benzene	ND	0.0250	1	06/25/20	06/26/20	
Toluene	ND	0.0250	1	06/25/20	06/26/20	
Ethylbenzene	ND	0.0250	1	06/25/20	06/26/20	
p,m-Xylene	ND	0.0500	1	06/25/20	06/26/20	
o-Xylene	ND	0.0250	1	06/25/20	06/26/20	
Total Xylenes	ND	0.0250	1	06/25/20	06/26/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	50-150	06/25/20	06/26/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg				Batch: 2026027
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/20	06/26/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/26/20	06/26/20	
<i>Surrogate: n-Nonane</i>						
		87.5 %	50-200	06/26/20	06/26/20	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg				Batch: 2026021
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/25/20	06/26/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.8 %	50-150	06/25/20	06/26/20	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg				Batch: 2026019
Chloride	23.4	20.0	1	06/25/20	06/26/20	

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WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: Hepler Fee #001 Project Number: 04108-0639 Project Manager: Lynda Laumbach	Reported: 06/30/20 10:11
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Surface 15
P006080-15 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						Batch: 2026021
Benzene	ND	0.0250	1	06/25/20	06/26/20	
Toluene	ND	0.0250	1	06/25/20	06/26/20	
Ethylbenzene	ND	0.0250	1	06/25/20	06/26/20	
p,m-Xylene	ND	0.0500	1	06/25/20	06/26/20	
o-Xylene	ND	0.0250	1	06/25/20	06/26/20	
Total Xylenes	ND	0.0250	1	06/25/20	06/26/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	50-150	06/25/20	06/26/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						Batch: 2026027
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/20	06/26/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/26/20	06/26/20	
<i>Surrogate: n-Nonane</i>		83.2 %	50-200	06/26/20	06/26/20	
Nonhalogenated Organics by EPA 8015D - GRO						Batch: 2026021
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/25/20	06/26/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.0 %	50-150	06/25/20	06/26/20	
Anions by EPA 300.0/9056A						Batch: 2026019
Chloride	ND	20.0	1	06/25/20	06/26/20	

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WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: Hepler Fee #001 Project Number: 04108-0639 Project Manager: Lynda Laumbach	Reported: 06/30/20 10:11
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Surface 16
P006080-16 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg			Batch: 2026021
Benzene	ND	0.0250	1	06/25/20	06/26/20	
Toluene	ND	0.0250	1	06/25/20	06/26/20	
Ethylbenzene	ND	0.0250	1	06/25/20	06/26/20	
p,m-Xylene	ND	0.0500	1	06/25/20	06/26/20	
o-Xylene	ND	0.0250	1	06/25/20	06/26/20	
Total Xylenes	ND	0.0250	1	06/25/20	06/26/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		108 %	50-150	06/25/20	06/26/20	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg			Batch: 2026027
Diesel Range Organics (C10-C28)	ND	25.0	1	06/26/20	06/26/20	
Oil Range Organics (C28-C40)	ND	50.0	1	06/26/20	06/26/20	
<i>Surrogate: n-Nonane</i>		76.4 %	50-200	06/26/20	06/26/20	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg			Batch: 2026021
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/25/20	06/26/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.4 %	50-150	06/25/20	06/26/20	
Anions by EPA 300.0/9056A		mg/kg	mg/kg			Batch: 2026019
Chloride	ND	20.0	1	06/25/20	06/26/20	

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WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: Hepler Fee #001 Project Number: 04108-0639 Project Manager: Lynda Laumbach	Reported: 06/30/20 10:11
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Volatile Organics by EPA 8021B - Quality Control

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level	Source Result mg/kg	%REC	%REC Limits	RPD	RPD Limit	Notes
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Blank (2026021-BLK1)

Prepared & Analyzed: 06/25/20 1

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	8.48		8.00		106	50-150			

LCS (2026021-BS1)

Prepared: 06/25/20 1 Analyzed: 06/25/20 2

Benzene	4.98	0.0250	5.00		99.6	70-130			
Toluene	5.02	0.0250	5.00		100	70-130			
Ethylbenzene	4.99	0.0250	5.00		99.8	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
o-Xylene	5.04	0.0250	5.00		101	70-130			
Total Xylenes	15.0	0.0250	15.0		100	0-200			
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	8.54		8.00		107	50-150			

Matrix Spike (2026021-MS1)

Source: P006080-01

Prepared: 06/25/20 1 Analyzed: 06/25/20 2

Benzene	4.91	0.0250	5.00	ND	98.3	54.3-133			
Toluene	4.94	0.0250	5.00	ND	98.8	61.4-130			
Ethylbenzene	4.91	0.0250	5.00	ND	98.2	61.4-133			
p,m-Xylene	9.84	0.0500	10.0	ND	98.4	63.3-131			
o-Xylene	4.94	0.0250	5.00	ND	98.9	63.3-131			
Total Xylenes	14.8	0.0250	15.0	ND	98.6	0-200			
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	8.37		8.00		105	50-150			

Matrix Spike Dup (2026021-MSD1)

Source: P006080-01

Prepared: 06/25/20 1 Analyzed: 06/25/20 2

Benzene	5.29	0.0250	5.00	ND	106	54.3-133	7.36	20	
Toluene	5.25	0.0250	5.00	ND	105	61.4-130	6.12	20	
Ethylbenzene	5.21	0.0250	5.00	ND	104	61.4-133	5.85	20	
p,m-Xylene	10.4	0.0500	10.0	ND	104	63.3-131	5.67	20	
o-Xylene	5.26	0.0250	5.00	ND	105	63.3-131	6.12	20	
Total Xylenes	15.7	0.0250	15.0	ND	104	0-200	5.82	200	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	8.47		8.00		106	50-150			

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

Project Name: Hepler Fee #001
Project Number: 04108-0639
Project Manager: Lynda Laumbach

Reported:
06/30/20 10:11

Nonhalogenated Organics by EPA 8015D - DRO/ORO - Quality Control

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level	Source Result mg/kg	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (2026027-BLK1)									
Prepared: 06/26/20 0 Analyzed: 06/26/20 1									
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C40)	ND	50.0							
Surrogate: n-Nonane	48.7		50.0		97.4	50-200			
LCS (2026027-BS1)									
Prepared: 06/26/20 0 Analyzed: 06/26/20 1									
Diesel Range Organics (C10-C28)	457	25.0	500		91.5	38-132			
Surrogate: n-Nonane	49.4		50.0		98.8	50-200			
Matrix Spike (2026027-MS1)									
Source: P006080-01 Prepared: 06/26/20 0 Analyzed: 06/26/20 1									
Diesel Range Organics (C10-C28)	588	25.0	500	ND	118	38-132			
Surrogate: n-Nonane	59.4		50.0		119	50-200			
Matrix Spike Dup (2026027-MSD1)									
Source: P006080-01 Prepared: 06/26/20 0 Analyzed: 06/26/20 1									
Diesel Range Organics (C10-C28)	596	25.0	500	ND	119	38-132	1.39	20	
Surrogate: n-Nonane	61.6		50.0		123	50-200			

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

Project Name: Hepler Fee #001
Project Number: 04108-0639
Project Manager: Lynda Laumbach

Reported:
06/30/20 10:11

Nonhalogenated Organics by EPA 8015D - GRO - Quality Control

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level	Source Result mg/kg	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (2026021-BLK1)									
Prepared & Analyzed: 06/25/20 1									
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.34		8.00		91.7	50-150			
LCS (2026021-BS2)									
Prepared: 06/25/20 1 Analyzed: 06/25/20 2									
Gasoline Range Organics (C6-C10)	48.2	20.0	50.0		96.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.72		8.00		96.5	50-150			
Matrix Spike (2026021-MS2)									
Source: P006080-01 Prepared: 06/25/20 1 Analyzed: 06/25/20 2									
Gasoline Range Organics (C6-C10)	49.3	20.0	50.0	ND	98.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		8.00		93.2	50-150			
Matrix Spike Dup (2026021-MSD2)									
Source: P006080-01 Prepared: 06/25/20 1 Analyzed: 06/25/20 2									
Gasoline Range Organics (C6-C10)	50.3	20.0	50.0	ND	101	70-130	2.02	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.34		8.00		91.8	50-150			

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WPX Energy - Carlsbad 5315 Buena Vista Dr Carlsbad NM, 88220	Project Name: Hepler Fee #001 Project Number: 04108-0639 Project Manager: Lynda Laumbach	Reported: 06/30/20 10:11
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Anions by EPA 300.0/9056A - Quality Control

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level	Source Result mg/kg	%REC	%REC Limits	RPD	RPD Limit	Notes
Blank (2026019-BLK1)									
Chloride	ND	20.0							Prepared: 06/25/20 Analyzed: 06/26/20 1
LCS (2026019-BS1)									
Chloride	254	20.0	250		101	90-110			Prepared: 06/25/20 Analyzed: 06/26/20 1
Matrix Spike (2026019-MS1)									
Chloride	284	20.0	250	30.2	102	80-120			Source: P006080-01 Prepared: 06/25/20 Analyzed: 06/26/20 1
Matrix Spike Dup (2026019-MSD1)									
Chloride	284	20.0	250	30.2	101	80-120	0.137	20	Source: P006080-01 Prepared: 06/25/20 Analyzed: 06/26/20 1

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.

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WPX Energy - Carlsbad	Project Name:	Hepler Fee #001	
5315 Buena Vista Dr	Project Number:	04108-0639	Reported:
Carlsbad NM, 88220	Project Manager:	Lynda Laumbach	06/30/20 10:11

Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
 - NR Not Reported
 - RPD Relative Percent Difference
 - ** Methods marked with ** are non-accredited methods.
- Soil data is reported on an "as received" weight basis, unless reported otherwise.

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Standard 3 day

Chain of Custody

Project Information

Client: WPX Energy Permian
 Project: Hepler Fee #001
 Project Manager: Lynda Laumbach
 Address: 5315 Buena Vista Drive
 City, State, Zip: Carlsbad, NM 88220
 Phone: (575) 725-1647
 Email: lynda.laumbach@wpxenergy.com

Report due by:

Bill To
 Attention: Lynda Laumbach
 Address: 5315 Buena Vista Drive
 City, State, Zip: Carlsbad NM 88220
 Phone: (575) 725-1647
 Email: lynda.laumbach@wpxenergy.com

Lab Use Only
 Lab WO# P000080
 Job Number 041080081
 Analysis and Method

Time Sampled	Date	Matrix	No Containers	Sample ID	Lab Number	DRD/ORD by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 3000	RGDOC - NM	RGDOC - TX	1D	3D	RCRA	CWA	SDWA	State	Remarks	
7:00	06/24/2020	S	1	Surface ϕ 1	1																
7:05	06/24/2020			Surface ϕ 2	2																
7:10				Surface ϕ 3	3																
7:15				Surface ϕ 4	4																
7:20				Surface ϕ 5	5																
7:25				Surface ϕ 6	6																
7:30				Surface ϕ 7	7																
7:35				Surface ϕ 8	8																
7:40				Surface ϕ 9	9																
7:45				Surface ϕ 10	10																

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: Lynda Laumbach

Relinquished by: (Signature) [Signature] Date: 06/24/2020 Time: 14:40 Received by: (Signature) [Signature] Date: 06/24/2020 Time: 1440

Relinquished by: (Signature) [Signature] Date: 06/24/2020 Time: 1645 Received by: (Signature) [Signature] Date: 06/25/2020 Time: 09:45

Relinquished by: (Signature) [Signature] Date: _____ Time: _____ Received by: (Signature) [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
 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.



5795 US Highway 94, Farmington, NM 87401
 24-Hour Emergency Response Phone: (800) 362-1879
 Ph: (505) 632-1881 Fx: (505) 632-1655



Chain of Custody

Project Information

Client: WPX Energy Permian
 Project: Hepler Fee #001
 Project Manager: Lynda Laumbach
 Address: 5315 Buena Vista Drive
 City, State, Zip: Carlsbad, NM 88220
 Phone: (575) 725-1647
 Email: lynda.laumbach@wpxenergy.com
 Report due by:

Bill To
 Attention: Lynda Laumbach
 Address: 5315 Buena Vista Drive
 City, State, Zip: Carlsbad NM 88220
 Phone: (575) 725-1647
 Email: lynda.laumbach@wpxenergy.com

Lab Use Only
 Lab WO# PA0008004108
 Job Number
 Analysis and Method

EPA Program
 TAT ID 3D RCRA CWA SDWA
 State NM CO UT AZ TX OK

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRD/ORD by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
7:50	06/24/2020	S	1	Surface 11	11							X		
7:55				Surface 12	12							X		
8:00				Surface 13	13							X		
8:05				Surface 14	14							X		
8:10				Surface 15	15							X		
8:15				Surface 16	16							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: Lynda Laumbach

Relinquished by: (Signature) [Signature] Date 06/24/2020 Time 14:40
 Received by: (Signature) [Signature] Date 6-24-2020 Time 1440

Relinquished by: (Signature) [Signature] Date 6-24-2020 Time 1645
 Received by: (Signature) [Signature] Date 6-25-2020 Time 9:45

Relinquished by: (Signature) [Signature] Date _____ Time _____
 Received by: (Signature) _____ Date _____ Time _____

Received on ice: Y N
 T1 _____ T2 _____ T3 _____
 AVG Temp °C 4

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

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