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	NRM2014052691
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.raley@wpxenergy.com	Incident # *(assigned by OCD)*
Contact mailing address: 5315 Buena Vista Dr., Carlsbad, NM 88220	

Location of Release Source

Latitude 32.04921 Longitude -103.88239
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: TUCKER DRAW 9 4 FEDERAL COM #001H	Site Type: Production Facility
Date Release Discovered: 5/17/2020	API# *(if applicable): 30-015-44477*

Unit Letter	Section	Township	Range	County
B	16	26S	30E	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)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 160	Volume Recovered (bbls) 160
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Failure of 8” water line resulted in approx. 160 bbls of produced water released to lined secondary containment. Fluids were recovered.

Spill volume determined by volume of recovered fluids.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NRM2014052691
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ 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)? Email to NMOCD District II Office and NMOCD Director on 5/18/2020.	

Initial Response

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

☒ The source of the release has been stopped.
☒ The impacted area has been secured to protect human health and the environment.
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not 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: Jim Raley Title: Environmental Specialist

Signature: Jim Raley Date: 5/18/2020

email: james.raley@wpxenergy.com Telephone: 575-689-7597

OCD Only

Received by: Ramona Marcus Date: 5/19/2020

Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	NRM2014052691
District RP	
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?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ 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)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ 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?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ 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.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NRM2014052691
District RP	
Facility ID	
Application ID	

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: Lynda Laumbach Date: 11/24/2020

email: Lynda.Laumbach@wpxenergy.com Telephone: (575)725-1647

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NRM2014052691
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: Lynda Laumbach Title: Environmental Specialist

Signature: Lynda Laumbach Date: 11/24/2020

email: Lynda.Laumbach@wpxenergy.com Telephone: (575)725-1647

OCD Only

Received by: Chad Hensley Date: 02/23/2021

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

Signature: Chad Hensley Date: 02/23/2021

District I
1625 N. French Dr., Hobbs, NM 88240
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811 S. First St., Artesia, NM 88210
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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	NRM2019634169
District RP	
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 32.048771 Longitude -103.880155
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Tucker Draw 9 4 Federal Com #002H	Site Type: Production Facility
Date Release Discovered: 07/07/2020	API# *(if applicable)*: 30-015-44478

Unit Letter	Section	Township	Range	County
A	16	26S	30E	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)

☐ Crude Oil	Volume Released (bbls):	Volume Recovered (bbls):
☒ Produced Water	Volume Released (bbls): 30	Volume Recovered (bbls): 30
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release:
Separator developed a hole due to corrosion causing an estimated 30bbl of produced water to be released inside the lined secondary containment. All fluids were recovered with a vacuum truck.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NRM2019634169
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? Release was over 25 bbl.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Email notification was given to Mike Bratcher, Victoria Venegas, Robert Hamlet, and Jim Griswold on 07/07/2020 at 1206 hours.	

Initial Response

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

☒ The source of the release has been stopped.
☒ The impacted area has been secured to protect human health and the environment.
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not 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: Lynda Laumbach Title: Environmental Specialist

Signature: Lynda Laumbach Date: 07/7/2020

email: Lynda.Laumbach@wpxenergy.com Telephone: (575)725-1647

OCD Only

Received by: Ramona Marcus Date: 7/14/2020

State of New Mexico
Oil Conservation Division

Incident ID	NRM2019634169
District RP	
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?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ 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)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ 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?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ 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.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NRM2019634169
District RP	
Facility ID	
Application ID	

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: Lynda Laumbach Date: 11/24/2020

email: Lynda.Laumbach@wpxenergy.com Telephone: (575)725-1647

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NRM2019634169
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: Lynda Laumbach Title: Environmental Specialist

Signature: Lynda Laumbach Date: 11/24/2020

email: Lynda.Laumbach@wpxenergy.com Telephone: (575)725-1647

OCD Only

Received by: Chad Hensley Date: 02/23/2021

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

Signature: Chad Hensley Date: 02/23/2021

District I
1625 N. French Dr., Hobbs, NM 88240
District II
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1000 Rio Brazos Road, Aztec, NM 87410
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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	NRM2027648241
District RP	
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 32.04877 Longitude -103.88005
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Tucker Draw 9 4 Federal Com #003H	Site Type: Production Facility
Date Release Discovered: 09/25/2020 @7:00 AM	API# *(if applicable)*: 30-015-44486

Unit Letter	Section	Township	Range	County
A	16	26S	30E	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)

☐ Crude Oil	Volume Released (bbls):	Volume Recovered (bbls):
☒ Produced Water	Volume Released (bbls): 160	Volume Recovered (bbls): 155
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release:
Separator developed a leak at the bottom causing 160bbl of PW to be released inside the lined secondary containment. 155bbl was recovered with a vacuum truck.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NRM2027648241
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? Release was over 25 bbl.

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Email notification was given to Mike Bratcher, Victoria Venegas, Robert Hamlet, and Jim Griswold on 07/07/2020 at 1206 hours.

Initial Response

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

☒ The source of the release has been stopped.

☒ The impacted area has been secured to protect human health and the environment.

☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not 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.

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Printed Name: Lynda Laumbach Title: Environmental Specialist

Signature: Lynda Laumbach Date: 09/28/2020

email: Lynda.Laumbach@wpxenergy.com Telephone: (575)725-1647

OCD Only

Received by: Ramona Marcus Date: 10/02/2020

State of New Mexico
Oil Conservation Division

Incident ID	NRM2027648241
District RP	
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?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ 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)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ 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?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ 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.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NRM2027648241
District RP	
Facility 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: Lynda Laumbach Date: 11/24/2020

email: Lynda.Laumbach@wpxenergy.com Telephone: (575)725-1647

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NRM2027648241
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: Lynda Laumbach Title: Environmental Specialist

Signature: Lynda Laumbach Date: 11/24/2020

email: Lynda.Laumbach@wpxenergy.com Telephone: (575)725-1647

OCD Only

Received by: Chad Hensley Date: 02/23/2021

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

Signature: Chad Hensley Date: 02/23/2021

November 24, 2020
Mike Bratcher
NMOCD District 2
811 South First Street
Artesia, NM 88210

Re: Tucker Draw 9 4 Federal Tank Battery Release(s) Deferral Request (NRM2014052691, NRM2019634169, NRM2027648241)

Mr. Bratcher,

This report summarizes the secondary containment inspection activities at the Tucker Draw 9 4 Federal Com Tank Battery Pad (Site). The topographic map of the Site is provided as Figure 01. From May 17, 2020 to September 25, 2020, WPX had two separators fail at the bottoms and a produced water line directly connected to a separator develop a hole all due to corrosion. From the three releases, a total of 350 barrels (bbls) of produced water were released inside the lined secondary containment. 345 bbls of produced water were recovered using vacuum trucks. Remaining fluids evaporated, and evaporites were washed via power washing crew.

Well Location: Tucker Draw 9-4 Federal COM Tank Battery (1H, 2H, &3H)
*API #:*30-015-44477, 30-015-44478, 30-015-44486
NMOCD Reference #: NRM2014052691, NRM2019634169, NRM2027648241
Site Location Description: Unit Letter A, Section 16, Township 26S, Range 30E
Release Latitude/Longitude: N32.0487862, W103.8800669
Land Jurisdiction: Federal
Agency Notification: New Mexico Oil Conservation Division (NMOCD), Artesia District Office
Estimated Depth to Groundwater: >50 feet

NMOCD Site Characterization Standards
The Closure criteria of this site was determined based on the New Mexico Administrative Code (NMAC) Table 1, *Closure Criteria for Soils Impacted by a Release*, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12). Depth to groundwater is estimated to be greater than 50 feet below the ground surface (bgs). To confirm, WPX has requested to drill a temporary water monitoring well with the New Mexico Office of the State Engineer, in the low zone, 0.24 miles south of the Site. Findings will be documented and a follow up email to this closure request will be provided to the NMOCD. The Site is not located in a sensitive area as defined in NMOCD Table 01. Based on the criteria outlined above, the closure criteria from the NMOCD Table 1 are as follows:

- 10,000 milligrams per kilogram (mg/kg) Chloride
- 50 mg/kg Benzene, Toluene, Ethylbenzene, and xylenes (BTEX)
- 10 mg/kg Benzene
- 2,500 mg/kg Total Petroleum Hydrocarbons (TPH)
- 1,000 mg/kg diesel range organics (DRO) & gasoline range organics (GRO)

Field Activities
On May 19, 2020, WPX personnel were onsite to confirm that the release did not leave secondary containment. The area of interest is located on Figure 02. The secondary lined containment was washed on June 5, 2020. Upon initial liner inspection a two-inch tear was discovered after the

Separator for the 1H well was replaced. The area was temporarily patched until delineation samples could be scheduled. On July 12, 2020 the containment was power washed and cleaned. On September 30, 2020 the liner was power washed again for inspection. Final sampling was completed on November 19, 2020 after notification of final sampling was given on November 16, 2020. Photographs of the secondary containment inspection are provided in Attachment 01.

Sampling Activities

Discrete samples were taken to confirm that contamination was contained to the Site surface and underneath the lined secondary containment. 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 the chain of custody of Xenco laboratories. Analysis was completed at Xenco Laboratories in Carlsbad, 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 of impacted soils confirmed all samples were below the allowable standards for Chloride and BTEX. Elevated levels of TPH were detected at DS01 from a depth of 0-0.16 feet bgs. The contamination cleared up to below standards at 1-foot bgs in corresponding DS01A. The sample locations are depicted in Figure 02. All sample results are summarized in Table 01 and complete laboratory results are provided in Attachment 02.

- Chloride samples ranged from below the Laboratory detectable limit to 3,030 mg/kg
- BTEX analysis ranged from below the Laboratory detectable limit to 0.823 mg/kg
- Benzene analysis was below the Laboratory detectable limit
- TPH ranged from below the Laboratory detectable limit to 6,135 mg/kg

Based on soil analysis of SS01-SS04 the impacted area is estimated to be no greater than the dimensions of the lined secondary containment, 50 feet X 150 feet. Delineation samples DS01 and DS01A confirm TPH contamination not exceeding a depth of 1-foot bgs. A soil volume of 70 cubic yards and not exceeding 140 cubic yards is estimated to remain underneath the liner.

Conclusions

The liner inspection and delineation samples to address the release impacts from NRM2014052691, NRM2019634169, and NRM2027648241 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. WPX requests no further action for these incidents currently. Once the Site is abandoned and approved for reclamation, WPX will conduct further soil testing and remove contamination until contaminant levels meet criteria or up to 4 feet bgs to comply with NMOCD and Bureau of Land Management standards for reclamation. The updated C-141(s) are attached to the beginning of this report.

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

Best regards,

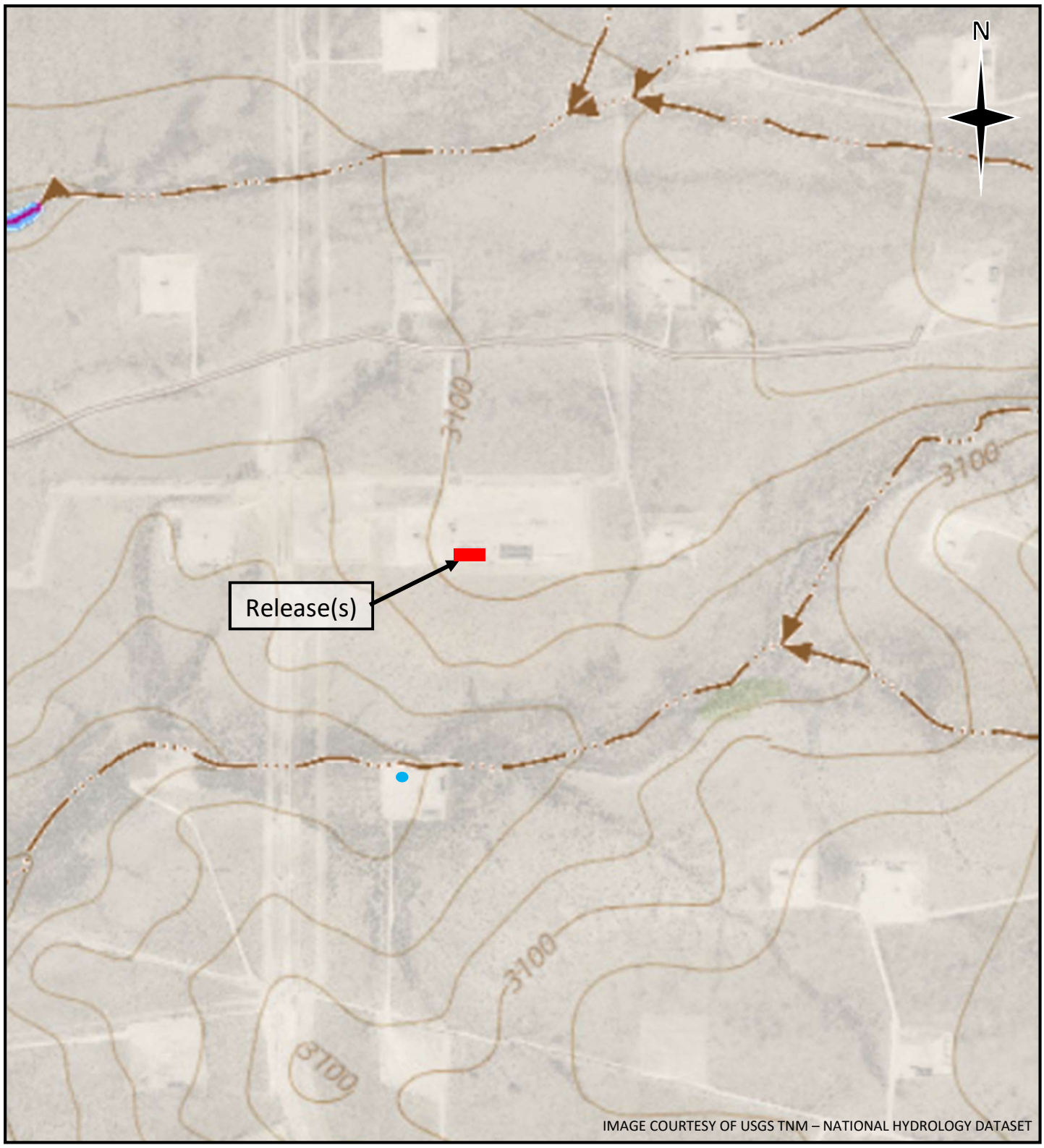
Lynda Laumbach

Lynda Laumbach
Environmental Specialist

CC: Robert Hamlet, NMOCD
Victoria Venegas, NMOCD
Bureau of Land Management

Attachments:
Figure 01 Topography
Figure 02 Site Map
Table 01 Samples Results
Attachment 01 Photograph Log
Attachment 02 Analytical Results

Figures



WPXENERGY

0 0.15 0.3mi

Legend

- Site
- OSE Water Body
- WPX Water Project drill- (to be advanced week of Dec. 7, 2020)

Figure 01

Tucker Draw 9 4 Federal (1H, 2H, 3H)
32.0487592, -103.8800287

Permian Basin, Eddy County, NM

WPXENERGY

Legend

◎ Sample Locations

Figure 02

Tucker Draw 9 4 Federal (1H, 2H, 3H)
32.0487592, -103.8800287

Permian Basin, Eddy County, NM

Table

TABLE 01
SOIL SAMPLE ANALYTICAL RESULTS

Tucker Draw 9 4 Federal Tank Battery Facility
NMOCD REFERENCE NUMBER: NRM2014052691, NRM2019634169, NRM2027648241

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)
SS01	0-0.33	11/19/2020	<0.00198	<0.00198	<50.1	<50.1	<50.1	-	-	13.3
SS02	0-0.33	11/19/2020	<0.002	<0.002	<50.1	<50.1	<50.1	-	-	23.5
SS03	0-0.33	11/19/2020	<0.00201	<0.00201	<49.9	<49.9	<49.9	-	-	14.0
SS04	0-0.33	11/19/2020	<0.00199	<0.00199	<50.0	<50.0	<50.0	-	-	24.6
DS01	0-0.16	11/19/2020	<0.002	0.8218	<251	5700.0	435.0	**5700.0**	**6135.0**	3030.0
DS01A	1	11/19/2020	<0.00201	<0.00201	<50.1	64.2	134.0	64.2	198.2	979.0
NMOCD Table 1 Closure Criteria			**10**	**50**	**NE**	**NE**	**NE**	**1,000**	**2,500**	**10,000**

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, north east edge of containment	Picture 2- West face, south east edge of containment
19-Nov-20 	19-Nov-20 
Picture 3- East face, west edge of containment	Picture 4- Sample under liner
19-Nov-20 	19-Nov-20 

Picture 5- Temporary liner patch	
19-Nov-20 	

Attachment 02:
Analytical Reports

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Certificate of Analysis Summary 678519

WPX Energy Permian Basin, LLC, Carlsbad, NM

Project Name: Tucker Draw

Project Id:

Contact: Lynda Laumbach

Project Location:

Date Received in Lab: Thu 11.19.2020 13:51

Report Date: 11.23.2020 16:22

Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	678519-001		678519-002		678519-003		678519-004		678519-005		678519-006	
	Field Id:	SS01		SS02		SS03		SS04		DS01		DS01 A	
	Depth:	0-0.33 ft		0-0.33 ft		0-0.33 ft		0-0.33 ft		0-0.16 ft		1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	11.19.2020 08:45		11.19.2020 08:55		11.19.2020 09:05		11.19.2020 09:10		11.19.2020 09:15		11.19.2020 09:20	
BTEX by EPA 8021B	***Extracted:***	11.20.2020 14:51		11.20.2020 14:51		11.20.2020 14:51		11.20.2020 14:51		11.20.2020 14:51		11.20.2020 14:51	
	Analyzed:	** ** ** **		11.20.2020 14:56		11.20.2020 15:19		11.20.2020 15:41		11.20.2020 16:03		11.20.2020 17:01	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201
Toluene		<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	0.0140	0.00200	<0.00201	0.00201
Ethylbenzene		<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	0.0108	0.00200	<0.00201	0.00201
m,p-Xylenes		<0.00396	0.00396	<0.00401	0.00401	<0.00402	0.00402	<0.00398	0.00398	0.674	0.00400	<0.00402	0.00402
o-Xylene		<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	0.123	0.00200	<0.00201	0.00201
Total Xylenes		<0.001980	0.001980	<0.002000	0.002000	<0.002010	0.002010	<0.001990	0.001990	0.7970	0.002000	<0.002010	0.002010
Total BTEX		<0.001980	0.001980	<0.002000	0.002000	<0.002010	0.002010	<0.001990	0.001990	0.8218	0.002000	<0.002010	0.002010
Inorganic Anions by EPA 300	***Extracted:***	11.20.2020 15:00		11.20.2020 15:00		11.20.2020 15:00		11.20.2020 15:00		11.20.2020 15:00		11.20.2020 15:00	
	Analyzed:	11.20.2020 20:30		11.20.2020 20:45		11.20.2020 20:50		11.20.2020 20:55		11.20.2020 21:00		11.20.2020 21:16	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		13.3	9.90	23.5	9.98	14.0	9.96	24.6	10.1	3030	50.5	979	50.1
TPH by SW8015 Mod	***Extracted:***	11.20.2020 10:00		11.20.2020 10:00		11.20.2020 10:00		11.20.2020 10:00		11.20.2020 10:00		11.20.2020 10:00	
	Analyzed:	11.20.2020 12:46		11.20.2020 13:47		11.20.2020 14:08		11.20.2020 14:27		11.20.2020 14:47		11.20.2020 15:08	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.1	50.1	<50.1	50.1	<49.9	49.9	<50.0	50.0	<251	251	<50.1	50.1
Diesel Range Organics (DRO)		<50.1	50.1	<50.1	50.1	<49.9	49.9	<50.0	50.0	5700	251	64.2	50.1
Motor Oil Range Hydrocarbons (MRO)		<50.1	50.1	<50.1	50.1	<49.9	49.9	<50.0	50.0	435	251	134	50.1
Total TPH		<50.10	50.10	<50.10	50.10	<49.90	49.90	<50.00	50.00	6135	251.0	198.2	50.10

BRL - Below Reporting Limit

Jessica Kramer

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Analytical Report 678519

for

WPX Energy Permian Basin, LLC

Project Manager: Lynda Laumbach

Tucker Draw

11.23.2020

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

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11.23.2020

Project Manager: **Lynda Laumbach**
WPX Energy Permian Basin, LLC
5315 Buena Vista Dr.
Carlsbad, NM 88220

Reference: Eurofins Xenco, LLC Report No(s): **678519**
Tucker Draw
Project Address:

Lynda Laumbach:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 678519. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 678519 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

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Sample Cross Reference 678519

WPX Energy Permian Basin, LLC, Carlsbad, NM

Tucker Draw

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SS01	S	11.19.2020 08:45	0 - 0.33 ft	678519-001
SS02	S	11.19.2020 08:55	0 - 0.33 ft	678519-002
SS03	S	11.19.2020 09:05	0 - 0.33 ft	678519-003
SS04	S	11.19.2020 09:10	0 - 0.33 ft	678519-004
DS01	S	11.19.2020 09:15	0 - 0.16 ft	678519-005
DS01 A	S	11.19.2020 09:20	1 ft	678519-006

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CASE NARRATIVE

Client Name: WPX Energy Permian Basin, LLC

Project Name: Tucker Draw

Project ID:
Work Order Number(s): *678519*

Report Date: *11.23.2020*
Date Received: *11.19.2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

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Certificate of Analytical Results 678519

WPX Energy Permian Basin, LLC, Carlsbad, NM

Tucker Draw

Sample Id:	**SS01**	Matrix:	Soil	Date Received:	11.19.2020 13:51
Lab Sample Id:	678519-001	Date Collected:	11.19.2020 08:45	Sample Depth:	0 - 0.33 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	11.20.2020 15:00	% Moisture:	
Seq Number:	3142939			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**13.3**	9.90	mg/kg	11.20.2020 20:30		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	MAB				
Analyst:	CAC	Date Prep:	11.20.2020 10:00	% Moisture:	
Seq Number:	3142933			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	11.20.2020 12:46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	11.20.2020 12:46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	11.20.2020 12:46	U	1
Total TPH	PHC635	<50.10	50.10	mg/kg	11.20.2020 12:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	119	%	70-135	11.20.2020 12:46	
o-Terphenyl	84-15-1	102	%	70-135	11.20.2020 12:46	

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Certificate of Analytical Results 678519

WPX Energy Permian Basin, LLC, Carlsbad, NM

Tucker Draw

Sample Id:	**SS01**	Matrix:	Soil	Date Received:	11.19.2020 13:51
Lab Sample Id:	678519-001	Date Collected:	11.19.2020 08:45	Sample Depth:	0 - 0.33 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	11.20.2020 14:51	% Moisture:	
Seq Number:	3142932			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	11.20.2020 14:34	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	11.20.2020 14:34	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	11.20.2020 14:34	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	11.20.2020 14:34	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	11.20.2020 14:34	U	1
Total Xylenes	1330-20-7	<0.001980	0.001980	mg/kg	11.20.2020 14:34	U	1
Total BTEX		<0.001980	0.001980	mg/kg	11.20.2020 14:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	114	%	70-130	11.20.2020 14:34	
1,4-Difluorobenzene	540-36-3	103	%	70-130	11.20.2020 14:34	

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Certificate of Analytical Results 678519

WPX Energy Permian Basin, LLC, Carlsbad, NM

Tucker Draw

Sample Id:	**SS02**	Matrix:	Soil	Date Received:	11.19.2020 13:51
Lab Sample Id:	678519-002	Date Collected:	11.19.2020 08:55	Sample Depth:	0 - 0.33 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	11.20.2020 15:00	% Moisture:	
Seq Number:	3142939			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**23.5**	9.98	mg/kg	11.20.2020 20:45		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	MAB				
Analyst:	CAC	Date Prep:	11.20.2020 10:00	% Moisture:	
Seq Number:	3142933			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	11.20.2020 13:47	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	11.20.2020 13:47	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	11.20.2020 13:47	U	1
Total TPH	PHC635	<50.10	50.10	mg/kg	11.20.2020 13:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	132	%	70-135	11.20.2020 13:47	
o-Terphenyl	84-15-1	110	%	70-135	11.20.2020 13:47	

eurofins | Environment Testing Xenco

Certificate of Analytical Results 678519

WPX Energy Permian Basin, LLC, Carlsbad, NM

Tucker Draw

Sample Id:	**SS02**	Matrix:	Soil	Date Received:	11.19.2020 13:51
Lab Sample Id:	678519-002	Date Collected:	11.19.2020 08:55	Sample Depth:	0 - 0.33 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	11.20.2020 14:51	% Moisture:	
Seq Number:	3142932			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.20.2020 14:56	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.20.2020 14:56	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.20.2020 14:56	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	11.20.2020 14:56	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.20.2020 14:56	U	1
Total Xylenes	1330-20-7	<0.002000	0.002000	mg/kg	11.20.2020 14:56	U	1
Total BTEX		<0.002000	0.002000	mg/kg	11.20.2020 14:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	11.20.2020 14:56	
4-Bromofluorobenzene	460-00-4	114	%	70-130	11.20.2020 14:56	

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Certificate of Analytical Results 678519

WPX Energy Permian Basin, LLC, Carlsbad, NM

Tucker Draw

Sample Id:	**SS03**	Matrix:	Soil	Date Received:	11.19.2020 13:51
Lab Sample Id:	678519-003	Date Collected:	11.19.2020 09:05	Sample Depth:	0 - 0.33 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	11.20.2020 15:00	% Moisture:	
Seq Number:	3142939			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**14.0**	9.96	mg/kg	11.20.2020 20:50		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	MAB				
Analyst:	CAC	Date Prep:	11.20.2020 10:00	% Moisture:	
Seq Number:	3142933			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	11.20.2020 14:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	11.20.2020 14:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	11.20.2020 14:08	U	1
Total TPH	PHC635	<49.90	49.90	mg/kg	11.20.2020 14:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	119	%	70-135	11.20.2020 14:08	
o-Terphenyl	84-15-1	98	%	70-135	11.20.2020 14:08	

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WPX Energy Permian Basin, LLC, Carlsbad, NM

Tucker Draw

Sample Id:	**SS03**	Matrix:	Soil	Date Received:	11.19.2020 13:51
Lab Sample Id:	678519-003	Date Collected:	11.19.2020 09:05	Sample Depth:	0 - 0.33 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	11.20.2020 14:51	% Moisture:	
Seq Number:	3142932			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	11.20.2020 15:19	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.20.2020 15:19	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.20.2020 15:19	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.20.2020 15:19	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.20.2020 15:19	U	1
Total Xylenes	1330-20-7	<0.002010	0.002010	mg/kg	11.20.2020 15:19	U	1
Total BTEX		<0.002010	0.002010	mg/kg	11.20.2020 15:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	94	%	70-130	11.20.2020 15:19	
4-Bromofluorobenzene	460-00-4	101	%	70-130	11.20.2020 15:19	

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WPX Energy Permian Basin, LLC, Carlsbad, NM

Tucker Draw

Sample Id:	**SS04**	Matrix:	Soil	Date Received:	11.19.2020 13:51
Lab Sample Id:	678519-004	Date Collected:	11.19.2020 09:10	Sample Depth:	0 - 0.33 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: MAB
Analyst: MAB
Seq Number: 3142939

Date Prep: 11.20.2020 15:00

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**24.6**	10.1	mg/kg	11.20.2020 20:55		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: MAB
Analyst: CAC
Seq Number: 3142933

Date Prep: 11.20.2020 10:00

% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	11.20.2020 14:27	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	11.20.2020 14:27	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	11.20.2020 14:27	U	1
Total TPH	PHC635	<50.00	50.00	mg/kg	11.20.2020 14:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-135	11.20.2020 14:27	
o-Terphenyl	84-15-1	108	%	70-135	11.20.2020 14:27	

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WPX Energy Permian Basin, LLC, Carlsbad, NM

Tucker Draw

Sample Id:	**SS04**	Matrix:	Soil	Date Received:	11.19.2020 13:51
Lab Sample Id:	678519-004	Date Collected:	11.19.2020 09:10	Sample Depth:	0 - 0.33 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	11.20.2020 14:51	% Moisture:	
Seq Number:	3142932			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	11.20.2020 15:41	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.20.2020 15:41	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.20.2020 15:41	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.20.2020 15:41	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.20.2020 15:41	U	1
Total Xylenes	1330-20-7	<0.001990	0.001990	mg/kg	11.20.2020 15:41	U	1
Total BTEX		<0.001990	0.001990	mg/kg	11.20.2020 15:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	110	%	70-130	11.20.2020 15:41	
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.20.2020 15:41	

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WPX Energy Permian Basin, LLC, Carlsbad, NM

Tucker Draw

Sample Id:	**DS01**	Matrix:	Soil	Date Received:	11.19.2020 13:51
Lab Sample Id:	678519-005	Date Collected:	11.19.2020 09:15	Sample Depth:	0 - 0.16 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	11.20.2020 15:00	% Moisture:	
Seq Number:	3142939			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3030**	50.5	mg/kg	11.20.2020 21:00		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	MAB				
Analyst:	CAC	Date Prep:	11.20.2020 10:00	% Moisture:	
Seq Number:	3142933			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<251	251	mg/kg	11.20.2020 14:47	U	5
Diesel Range Organics (DRO)	C10C28DRO	**5700**	251	mg/kg	11.20.2020 14:47		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**435**	251	mg/kg	11.20.2020 14:47		5
Total TPH	PHC635	**6135**	251.0	mg/kg	11.20.2020 14:47		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-135	11.20.2020 14:47	
o-Terphenyl	84-15-1	109	%	70-135	11.20.2020 14:47	

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WPX Energy Permian Basin, LLC, Carlsbad, NM

Tucker Draw

Sample Id:	**DS01**	Matrix:	Soil	Date Received:	11.19.2020 13:51
Lab Sample Id:	678519-005	Date Collected:	11.19.2020 09:15	Sample Depth:	0 - 0.16 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	11.20.2020 14:51	% Moisture:	
Seq Number:	3142932			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.20.2020 16:03	U	1
Toluene	108-88-3	**0.0140**	0.00200	mg/kg	11.20.2020 16:03		1
Ethylbenzene	100-41-4	**0.0108**	0.00200	mg/kg	11.20.2020 16:03		1
m,p-Xylenes	179601-23-1	**0.674**	0.00400	mg/kg	11.20.2020 16:03		1
o-Xylene	95-47-6	**0.123**	0.00200	mg/kg	11.20.2020 16:03		1
Total Xylenes	1330-20-7	**0.7970**	0.002000	mg/kg	11.20.2020 16:03		1
Total BTEX		**0.8218**	0.002000	mg/kg	11.20.2020 16:03		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	109	%	70-130	11.20.2020 16:03	
1,4-Difluorobenzene	540-36-3	93	%	70-130	11.20.2020 16:03	

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WPX Energy Permian Basin, LLC, Carlsbad, NM

Tucker Draw

Sample Id:	**DS01 A**	Matrix:	Soil	Date Received:	11.19.2020 13:51
Lab Sample Id:	678519-006	Date Collected:	11.19.2020 09:20	Sample Depth:	1 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	11.20.2020 15:00	% Moisture:	
Seq Number:	3142939			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**979**	50.1	mg/kg	11.20.2020 21:16		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	MAB				
Analyst:	CAC	Date Prep:	11.20.2020 10:00	% Moisture:	
Seq Number:	3142933			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	11.20.2020 15:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	**64.2**	50.1	mg/kg	11.20.2020 15:08		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	**134**	50.1	mg/kg	11.20.2020 15:08		1
Total TPH	PHC635	**198.2**	50.10	mg/kg	11.20.2020 15:08		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	127	%	70-135	11.20.2020 15:08	
o-Terphenyl	84-15-1	77	%	70-135	11.20.2020 15:08	

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WPX Energy Permian Basin, LLC, Carlsbad, NM

Tucker Draw

Sample Id:	**DS01 A**	Matrix:	Soil	Date Received:	11.19.2020 13:51
Lab Sample Id:	678519-006	Date Collected:	11.19.2020 09:20	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	11.20.2020 14:51	% Moisture:	
Seq Number:	3142932			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	11.20.2020 17:01	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.20.2020 17:01	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.20.2020 17:01	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.20.2020 17:01	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.20.2020 17:01	U	1
Total Xylenes	1330-20-7	<0.002010	0.002010	mg/kg	11.20.2020 17:01	U	1
Total BTEX		<0.002010	0.002010	mg/kg	11.20.2020 17:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	97	%	70-130	11.20.2020 17:01	
4-Bromofluorobenzene	460-00-4	111	%	70-130	11.20.2020 17:01	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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QC Summary 678519

WPX Energy Permian Basin, LLC

Tucker Draw

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3142939 — Matrix: Solid — Date Prep: 11.20.2020
MB Sample Id: 7715681-1-BLK — LCS Sample Id: 7715681-1-BKS — LCSD Sample Id: 7715681-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	253	101	253	101	90-110	0	20	mg/kg	11.20.2020 20:19	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3142939 — Matrix: Soil — Date Prep: 11.20.2020
Parent Sample Id: 678519-001 — MS Sample Id: 678519-001 S — MSD Sample Id: 678519-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	13.3	199	217	102	219	103	90-110	1	20	mg/kg	11.20.2020 20:35	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3142939 — Matrix: Soil — Date Prep: 11.20.2020
Parent Sample Id: 678523-001 — MS Sample Id: 678523-001 S — MSD Sample Id: 678523-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	358	200	567	105	565	104	90-110	0	20	mg/kg	11.20.2020 21:47	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3142933 — Matrix: Solid — Date Prep: 11.20.2020
MB Sample Id: 7715676-1-BLK — LCS Sample Id: 7715676-1-BKS — LCSD Sample Id: 7715676-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1110	111	1190	119	70-135	7	35	mg/kg	11.20.2020 12:06	
Diesel Range Organics (DRO)	<50.0	1000	1090	109	1170	117	70-135	7	35	mg/kg	11.20.2020 12:06	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	106		113		110		70-135	%	11.20.2020 12:06
o-Terphenyl	104		104		113		70-135	%	11.20.2020 12:06

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3142933 — Matrix: Solid — Date Prep: 11.20.2020
MB Sample Id: 7715676-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	11.20.2020 11:46	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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QC Summary 678519

WPX Energy Permian Basin, LLC

Tucker Draw

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3142933 Matrix: Soil Date Prep: 11.20.2020
Parent Sample Id: 678519-001 MS Sample Id: 678519-001 S MSD Sample Id: 678519-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.2	1000	1150	115	1110	111	70-135	4	35	mg/kg	11.20.2020 13:06	
Diesel Range Organics (DRO)	<50.2	1000	1220	122	1130	113	70-135	8	35	mg/kg	11.20.2020 13:06	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	107		112		70-135	%	11.20.2020 13:06
o-Terphenyl	114		106		70-135	%	11.20.2020 13:06

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3142932 Matrix: Solid Date Prep: 11.20.2020
MB Sample Id: 7715670-1-BLK LCS Sample Id: 7715670-1-BKS LCSD Sample Id: 7715670-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.104	104	0.105	105	70-130	1	35	mg/kg	11.20.2020 12:29	
Toluene	<0.00200	0.100	0.0999	100	0.0988	99	70-130	1	35	mg/kg	11.20.2020 12:29	
Ethylbenzene	<0.00200	0.100	0.101	101	0.105	105	71-129	4	35	mg/kg	11.20.2020 12:29	
m,p-Xylenes	<0.00400	0.200	0.208	104	0.214	107	70-135	3	35	mg/kg	11.20.2020 12:29	
o-Xylene	<0.00200	0.100	0.103	103	0.105	105	71-133	2	35	mg/kg	11.20.2020 12:29	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	101		99		104		70-130	%	11.20.2020 12:29
4-Bromofluorobenzene	116		107		112		70-130	%	11.20.2020 12:29

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3142932 Matrix: Soil Date Prep: 11.20.2020
Parent Sample Id: 678519-001 MS Sample Id: 678519-001 S MSD Sample Id: 678519-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0950	95	0.104	105	70-130	9	35	mg/kg	11.20.2020 13:14	
Toluene	<0.00200	0.100	0.0871	87	0.0969	97	70-130	11	35	mg/kg	11.20.2020 13:14	
Ethylbenzene	<0.00200	0.100	0.0824	82	0.0971	98	71-129	16	35	mg/kg	11.20.2020 13:14	
m,p-Xylenes	<0.00401	0.200	0.169	85	0.197	99	70-135	15	35	mg/kg	11.20.2020 13:14	
o-Xylene	<0.00200	0.100	0.0840	84	0.0956	96	71-133	13	35	mg/kg	11.20.2020 13:14	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	101		98		70-130	%	11.20.2020 13:14
4-Bromofluorobenzene	108		106		70-130	%	11.20.2020 13:14

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440, EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 678519

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Project Manager:	Lynda Laumbach	Bill to: (if different)	Lynda Laumbach
Company Name:	WPX Enery Permian, LLC.	Company Name:	WPX Energy Permian, LLC.
Address:	5315 Buena Vista Dr	Address:	5315 Buena Vista Dr
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	Carlsbad, NM 88220
Phone:	(575)725-1647	Email:	Lynda.Laumbach@wpxenergy.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Tucker Draw	Turn Around	☒ Routine ☐ Rush
Project Number:		Due Date:	
Project Location		TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Lynda Laumbach		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Received Intact:	Yes No	Thermometer ID:	CWM009
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	12.2/12.0
Total Containers:	6	Corrected Temperature:	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: Chlorides (EPA 300.00)	BTEX (Method 8021)	TPH (Method 8015)	TPH (TX- Extended 1005)	Sample Comments
SS01	S	11/19/2020	8:45	0-0.33	G	1		X	X	X		
SS02	S		8:55	0-0.33	G	1		X	X	X		
SS03	S		9:05	0-0.33	G	1		X	X	X		
SS04	S		9:10	0-0.33	G	1		X	X	X		
DS01	S		9:15	0-0.16'	G	1		X	X	X		
DS01A	S		9:20	1'	G	1		X	X	X		

ANALYSIS REQUEST

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
	Clar Cuttle 11.19.20 1351	11/19/2020 13:50	2		
			4		
			6		

Revised Date 05012020 Rev. 2020.1

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: WPX Energy Permian Basin, LLC

Date/ Time Received: 11.19.2020 01.51.00 PM

Work Order #: 678519

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : T_NM_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	12	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	Samples received in bulk containers.
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**No**	
#18 Water VOC samples have zero headspace?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 11.19.2020

Checklist reviewed by: Jessica Kramer Date: 11.23.2020

Jessica Kramer

District I
1625 N. French Dr., Hobbs, NM 88240
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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 11318

CONDITIONS OF APPROVAL

Operator:			OGRID:	Action Number:	Action Type:
WPX ENERGY PERMIAN, LLC	3500 One Williams Center	Tulsa, OK74172	246289	11318	C-141

OCD Reviewer	Condition
chensley	The C-141's will be accepted for record and marked accordingly. The release will remain open in OCD database files and reflect an open environmental issue for future remediation.