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 Pige 1 of 22 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

)

Incident ID	NVV2003155809
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party XTO Energy	OGRID 5380		
Contact Name Kyle Littrell	Contact Telephone 432-221-7331		
Contact email Kyle_Littrell@xtoenergy.com	Incident # (assigned by OCD) NVV2003155809		
Contact mailing address 522 W. Mermod, Carlsbad, NM			
88220			

Location of Release Source

Latitude 32.179809

Longitude <u>-103.827822</u> (NAD 83 in decimal degrees to 5 decimal places)

Site Name Poker Lake Unit DTD #36 SWD	Site Type SWD	
Date Release Discovered 1/9/2020	API# (if applicable) 30-015-45237 (PLU 36-DTD STATE SWD #001)	

Unit Letter	Section	Township	Range	County	
А	36	24S	30E	EDDY	

Surface Owner: X 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) 0.0	Volume Recovered (bbls) 0.0		
Produced Water	Volume Released (bbls) 45.0	Volume Recovered (bbls) 45.0		
	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: ¹ /4" carbon steel nipple leaked due to corrosion. The nipple completely broke off of filter pot. This resulted in a release of 45 bbls of produced water into an impermeable containment with 45 bbls being recovered. A 48-hour advance notice of liner inspection was provided by email to NMOCD District 2. The liner was visually inspected and determined to be insufficient. Additional delineation for deferral will be completed by a third party contractor.				

Received by OCD: 12/23/2020/8:15:03 Ante of New Mexico Page 2 Oil Conservation Division

Incident ID	NVV2003155809e 2 of 2
District RP	
Facility ID	
Application ID	

If YES, for what reason(s) does the responsible party consider this a major release?		
YES – An unauthorized release of fluid over 25 barrels.		
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?		
YES, by Adrian Baker : Bratcher, Mike, EMNRD; Venegas, Victoria, EMNRD; 'Hamlet, Robert, EMNRD'; 'rmann@slo.state.nm.us' ; by email Friday, January 10, 2020 9:30 AM		
01 3 5		

Initial Response

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

 \square 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:

N/A

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: Kyle Littrell	Title: <u>SH&E Supervisor</u>
Signature:	Date: _1-24-20
email: Kye_Littrell@xtoenergy.com	Telephone:
OCD Only	
Received by: Victoria Venegas	Date:01/31/2020

Page 3

Oil Conservation Division

	Page 3 of 22
Incident ID	NVV2003155809
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?	>100 (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.

- X Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- X Field data
- $\overline{\mathbf{X}}$ Data table of soil contaminant concentration data
- X Depth to water determination
- Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release
- \mathbf{X} Boring or excavation logs
- X Photographs including date and GIS information
- X Topographic/Aerial maps
- X 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.

eceived by OCD: 12/23/2	OCD: 12/23/2020 8:15:03 AM State of New Mexico			Page 4 o	
			Incident ID	NVV2003155809	
Page 4 Oil Conservation Di	ision	District RP			
			Facility ID		
			Application ID		
regulations all operators are public health or the environ failed to adequately investig addition, OCD acceptance of and/or regulations. Printed Name:	Explanation given above is true and complete e required to report and/or file certain rele ument. The acceptance of a C-141 report gate and remediate contamination that pos of a C-141 report does not relieve the ope Littrell Comparison of the complete Littrell Comparison of the complete Littrell Comparison of the complete Littrell Complete complete Littrell	ase notifications and perf by the OCD does not reli se a threat to groundwate rator of responsibility for Title: <u>SH&</u> Date: <u>12/7/20</u> Telephone:	Corrective actions for release eve the operator of liability sho r, surface water, human health of compliance with any other fed EE Supervisor (432) 221-7331	uses which may endanger uld their operations have or the environment. In eral, state, or local laws	
OCD Only Received by:		Date: _			

Incident ID	NVV2003155809
District RP	
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.

<u>Closure Report Attachment Checklist</u> : Each of the following	items must be included in the closure report.
\square A scaled site and sampling diagram as described in 19.15.29.	11 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	s of the liner integrity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropriate OD	C 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 comple and regulations all operators are required to report and/or file certar may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and re human health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regul restore, reclaim, and re-vegetate the impacted surface area to the co accordance with 19.15.29.13 NMAC including notification to the O	ete to the best of my knowledge and understand that pursuant to OCD rules in release notifications and perform corrective actions for releases which f a C-141 report by the OCD does not relieve the operator of liability mediate contamination that pose a threat to groundwater, surface water, a C-141 report does not relieve the operator of responsibility for ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in DCD when reclamation and re-vegetation are complete.
Printed Name: Kyle Littrell	Title:
Signature: Ma Autot	Date: 12/7/2020
email: Kyle_Littrell@xtoenergy.com	Telephone: (432) 221-7331
OCD Only	
Received by:	Date:
Closure approval by the OCD does not relieve the responsible party remediate contamination that poses a threat to groundwater, surface party of compliance with any other federal, state, or local laws and	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible /or regulations.
Closure Approved by:	Date:
Printed Name:	Title:

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

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Incident ID	NVV2003155809
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party XTO Energy	OGRID 5380
Contact Name Kyle Littrell	Contact Telephone 432-221-7331
Contact email Kyle_Littrell@xtoenergy.com	Incident # (assigned by OCD) NVV2003155809
Contact mailing address 522 W. Mermod, Carlsbad, NM 88220	

Location of Release Source

Latitude 32.179809

NAD 83 in decimal degrees to 5 decimal places

Site Name Poker Lake Unit DTD #36 SWD	Site Type SWD
Date Release Discovered 1/9/2020	API# (if applicable) 30-015-45237 (PLU 36-DTD STATE SWD #001)

Unit Letter	Section	Township	Range	County	
А	36	248	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) 0.0	Volume Recovered (bbls) 0.0	
Produced Water	Volume Released (bbls) 45.0	Volume Recovered (bbls) 45.0	
	Is the concentration of dissolved chloride in the	Yes No	
	produced water >10,000 mg/l?		
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: ¹ / ₄ " carbon steel nipple leaked due to corrosion. The nipple completely broke off of filter pot. This resulted in a release of 45 bbls of produced water into an impermeable containment with 45 bbls being recovered. A 48-hour advance notice of liner inspection was provided by email to NMOCD District 2. The liner was visually inspected and determined to be insufficient. Additional			
delineation for deferral w	ill be completed by a third party contractor.		

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Incident ID	NVV2003155809e7.0f2
District RP	
Facility ID	
Application ID	

Was this a major release as defined by	If YES, for what reason(s) does the responsible party consider this a major release?	
19.15.29.7(A) NMAC?	YES – An unauthorized release of fluid over 25 barrels.	
Yes 🗌 No		
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?		
rmann@slo.state.nm.u	Bratcher, Mike, EMNRD; Venegas, Victoria, EMNRD; 'Hamlet, Robert, EMNRD'; s' ; by email Friday, January 10, 2020 9:30 AM	

Initial Response

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

 \square 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:

N/A

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: Kyle Littrell	Title: <u>SH&E Supervisor</u>
Signature: Stand	Date: _1-24-20
email: Kyle_Littrell@xtoenergy.com	Telephone:
OCD Only	
Received by: Victoria Venegas	Date:01/31/2020

Oil Conservation Division

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Incident ID	NVV2003155809
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?	>100 (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.

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

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Page 3

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	Incident ID	NVV2003155809
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ve is true and complete to the best of my know and/or file certain release notifications and per ance of a C-141 report by the OCD does not releven the operator of responsibility for the operator of t	vledge and understand that pursu rform corrective actions for relea lieve the operator of liability sho er, surface water, human health or compliance with any other fee &E Supervisor 2020 (432) 221-7331	ant to OCD rules and ases which may endanger puld their operations have or the environment. In deral, state, or local laws
Deter		
	Conservation Division ove is true and complete to the best of my know t and/or file certain release notifications and pe ance of a C-141 report by the OCD does not re contamination that pose a threat to groundwat loes not relieve the operator of responsibility fo Title: SHa Date: 12/7/2 rgy.com Telephone:	Incident ID Conservation Division Incident ID District RP Facility ID Application ID ove is true and complete to the best of my knowledge and understand that pursu t and/or file certain release notifications and perform corrective actions for relevance of a C-141 report by the OCD does not relieve the operator of liability shoes the contamination that pose a threat to groundwater, surface water, human health loes not relieve the operator of responsibility for compliance with any other feet Image: SH&E Supervisor Image: Date: 12/7/2020 Image: Telephone: (432) 221-7331

Page 6

Oil Conservation Division

Incident ID	NVV2003155809
District RP	
Facility ID	
Application ID	

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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. X A scaled site and sampling diagram as described in 19.15.29.11 NMAC X 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) X 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:
 Kyle Littrell
 SH&E Superv

 Signature:
 Image: March 12/7/2020
 Date: 12/7/2020
 SH&E Supervisor Telephone: (432) 221-7331 email: Kyle_Littrell@xtoenergy.com **OCD Only** Received by: Chad Hensley Date: 03/10/2021 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.

Title: Environmental Specialist Advanced

Printed Name: Chad Hensley

WSP USA

3300 North "A" Street Building 1, Unit 222 Midland, Texas 79705 432.704.5178

December 7, 2020

District II New Mexico Oil Conservation Division 811 South First Street Artesia, New Mexico 88210

Re: Closure Request Addendum Poker Lake Unit DTD #36 SWD Incident Number NVV2003155809 Eddy County, New Mexico

To Whom it May Concern:

WSP USA Inc. (WSP) (formerly LT Environmental, Inc.), on behalf of XTO Energy, Inc. (XTO), presents the following addendum to the original Closure Request submitted August 4, 2020 by LT Environmental, Inc. This addendum provides an update to the Closure Criteria applied at the Poker Lake Unit DTD #36 SWD (Site) located in Unit A, Section 36, Township 24 South, Range 30 East, in Eddy County, New Mexico (Figure 1) in response to the denial of the Closure Request by the New Mexico Oil Conservation Division (NMOCD). In the denial, NMOCD expressed concern that the depth to groundwater assessment and delineation may not be sufficient. Based on the additional depth to groundwater determination activities described below, XTO is requesting no further action (NFA) for Incident Number NVV2003155809.

RELEASE BACKGROUND

On August 4, 2020, WSP submitted a Closure Request to the NMOCD for a 0.25-inch carbon steel nipple that leaked due to corrosion, which broke off of the filter pot resulting in the release of 45.0 barrels (bbls) of produced water inside an impermeable containment.

WSP characterized the Site according to Table 1, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Based on the results of the Site Characterization, the following NMOCD Table 1 Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 20,000 mg/kg

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District II Page 2

However, on September 8, 2020 the NMOCD denied the Closure Request for Incident Number NVV2003155809 for the following reasons:

- The depth to groundwater has been incorrectly assessed; therefore, the remediation levels outlined in Table 1 of 19.15.29.12 NMAC have not been established. When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, data should be no more than 25 years old, and well construction information should be provided. If XTO believes that groundwater is > 100', a borehole will need to be drilled onsite and a copy of the driller's log must be provided.
- The responsible party may choose to remediate to the most stringent remediation levels listed in Table 1 in lieu of drilling to determine the depth to groundwater.
- The horizontal extent of the release has not been delineated. The edges -horizontal definition- of a liquid release must be determined. The only value for determination of horizontal impact are derived by either "background" value as determined appropriate to Rule 29, or, for chloride, 600 mg/Kg in soils.

DEPTH TO WATER DETERMINATION

The closest permitted groundwater well with depth to groundwater data is United States Geological Survey (USGS) well 320739103584201, located approximately 1.3 miles southwest of the Site. The groundwater well has a reported depth to groundwater of 446 feet bgs and a total depth of 480 feet bgs. Several New Mexico Office of the State Engineer (NMOSE) wells are closer to the Site than USGS 320739103584201, however, those wells, C 03558 to the north and C 03894 to the south, have no recorded depth to groundwater data. Referenced well records are included in Attachments 1.

ADDITIONAL SITE ACTIVITIES

In an effort to confirm the depth to groundwater determination, WSP installed a soil boring within 0.5 miles of the Site utilizing a truck-mounted hollow-stem auger rig. Soil boring BH01 was drilled to a depth of 110 feet bgs. A WSP geologist logged and described the soil continuously. Moist sediments were encountered during drilling activities, but groundwater was never encountered. The borehole lithologic/soil sampling logs are included in Attachment 1. The location of the boreholes is provided on Figure 1. The borehole was left open for over 72 hours to allow for potential slow infill of groundwater. After the 72-hour waiting period without observing groundwater, it was confirmed that groundwater beneath the Site is greater than 110 feet bgs. The borehole was properly abandoned with drill cuttings and hydrated bentonite chips.

Soil boring BH01 was advanced to 110 feet bgs, approximately 2,874 feet to the northwest. Groundwater was not encountered, and no groundwater filled in during a 72-hour period. WSP confirmed a depth to groundwater greater than 110 feet at the Site, which correlates to the

vsp

District II Page 3

depth of groundwater of 446 feet in USGS well USGS 320739103584201. As such, the Table 1 Closure Criteria identified in the original Closure Request are applicable and appropriate for protection of groundwater at this Site.

DELINEATION

The NMOCD stated that horizontal delineation has not been completed. Based on confirmation of the depth to groundwater, the samples directly below the tear in the liner meet the applied Closure Criteria and no other delineation is necessary. Additionally, all of the liquids released were recovered during initial response activities.

CLOSURE REQUEST

Based on the confirmed depth to water greater than 110 feet bgs as presented in this addendum and laboratory analytical results below the Closure Criteria in the delineation soil samples, XTO respectfully requests NFA for Incident Number NVV2003155809.

If you have any questions or comments, please do not hesitate to contact Ms. Ashley Ager at (970) 385-1096.

Sincerely,

WSP USA Inc.

pen to

Spencer Lo Staff Geologist

Ashley L. ager

Ashley L. Ager, P.G. Managing Director, Geologist

cc: Kyle Littrell, XTO Robert Hamlet, NMOCD Victoria Venegas, NMOCD Jim Amos, Bureau of Land Management

Attachments:

Figure 1Site Location MapAttachment 1Referenced Well Records

FIGUR



Released to Imaging: 3/10/2021 8:39:41 AM

Released to Imaging: 3/10/2021 8:39:41 AM

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								BH or PH Name:	Date:					
					ws	PUSA			BH01	11/19/2020-11/21/2020				
				5	08 West	Stevens S	Street		Site Name: PLU DTD #36 SWD					
				Car	lsbad, Ne	w Mexico	88220		RP or Incident Number: NVV2003155809					
									LTE Job Number: TE012920015					
		LITH	OLOG	SIC / SOIL	SAMPL	ING LO	G		Logged By BB Method: H.S.A					
Lat/Lo	ng: 3072 -103	831961			Field Scre	ening:			Hole Diameter:	Total Depth:				
Comm	nents:	001001							0.23	110				
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol		Lithology/Remarks					
D						0	SP-SC	SAND, c	lry, reddish-brown, f	fine grained, poorly graded, no				
5.4					-			stain, no	odor	intructure and identical shows				
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Μ					_	34	SM-S	SANDS	ΓΟΝΕ, moist, light-b	prown-tan, fine grained, poorly graded				
						40		sharp tra	ansition, trace sub-a	ingular caliche pebbles, poorly				
						40		CONSOIIU	aleu, no stain, no o					
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					-			Total de	pth 110 feet bgs					
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USGS 320956103503001 245.30E.36.33333													
Eddy County, New Mexico						Out	put formats						
Latitude 32°09'56", Longitude 1	03°50'30" NAD	27		Table of	Table of data								
The depth of the well is 480 feet	below land surf	ace.		Tab-sep	arated data								
This well is completed in the Rus	This well is completed in the Rustler Formation (312RSLR) local aquifer. Graph of data												
				Reselec	t period								
Date 🗘 Time 🌣	Ø Water-level ¢ date-time accuracy	Water level, feet below land surface	Water level, feet above ≎ specific vertical datum	Referenced vertical ≎ datum	❷ Water-level ≎ accuracy	Ø ≎ Status	Ø Method of measurement	Ø Measuring ≎ agency	Ø Source of measurement	♥ Water- level ≎ approval status			
1958-08-19	D	445.25			2		U		U	A			
1959-03-19	D	445.27			2		U		U	А			
1985-02-06	D	446.50			2		U		U	A			
1987-10-15	D	446.36			2		S		U	А			



USGS 320956103503001 245.30E.36.33333



New Mexico Office of the State Engineer Point of Diversion Summary

			(qua	rters	are '	1=NV	V 2=NE 3	3=	SW 4=SE)				
			(qu	arter	rs are	sma	allest to la	arg	gest) ((NAD83 l	JTM in meters	5)	
Well Tag	PC	DD Number	Q64	4 Q1	16 Q	4 S	ec Tw	S	Rng	Х	()	Y	
	С	03891 POD1	4	2	4 2	2 (01 25	S	30E	610608	355889	0 🍑	
Driller Licens	se:	1723	Driller (Com	npan	ıy:	SBQ2	, L	LC DBA	STEWA	ART BROT	HERS DRILLING	
Driller Name:	:	RANDY STEWAR	RT				CO.						
Drill Start Da	te:	11/10/2015	Drill Fir	nish	Dat	e:	11	/1	4/2015	Plu	g Date:		
Log File Date):	12/04/2015	PCW R	Date	:				Soι	urce:	Shallow		
Pump Type:	Pump Type:		Pipe Discharge Size:							Est	eld: 33 GPM		
Casing Size:		6.13	Depth Well: 63				35 feet Depth Water: 429			429 feet			
w	late	r Bearing Stratific	ations:		Тор) В	ottom		Descripti	on			
					420)	450	Sandstone/Gravel/Conglomerate					
					450)	460	Sandstone/Gravel/Conglomerate					
					460)	490	0 Sandstone/Gravel/Conglomerate					
			490 500 Sandstone						e/Gravel/Conglomerate				
					500)	530	;	Sandston	e/Grave	el/Conglom	erate	
					530)	635		Sandston	e/Grave	el/Conglom	erate	
		Casing Perfo	rations:		Тор	bВ	ottom						
					460)	635						

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

New Mexico Office of the State Engineer Point of Diversion Summary

			(quarte	ers are	e 1=N	VW 2=	NE 3=	SW 4=SE	E)		
			(quar	ters ar	e sn	nallest	(NAD83 UT	(NAD83 UTM in meters)			
Well Tag	PC	OD Number	Q64 (Q16 (ຊ4	Sec	Tws	Rng	Х	Y	
	С	03716 POD1	4	2	2	02	25S	30E	609069	3559211	9
Driller License: 1229 Driller Company: CARTER'S WELL DRILLING											
Driller Name	TER										
Drill Start Date: 02/05/2014			Drill Finish Date: 03/03/2						Plug	Date:	
Log File Dat	e:	03/12/2014	PCW Rcv	Date	e:				Sour	ce:	Shallow
Pump Type:	:		Pipe Disc	charg	je S	Size:		Estir	Estimated Yield: 50 GPM		
Casing Size	:		Depth We	ell:			600	feet	Dept	h Water:	425 feet
Water Bearing Stratifications: Top Bottom Description											
			442 600 Sandstone/Gravel/Conglomerate						rate		

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New Mexico Office of the State Engineer Point of Diversion Summary

	(quarters are 1=NW 2=NE (quarters are smallest to 1	3=SW 4=SE) argest)	(NAD83 UTM in meters)						
Well Tag POD Number	Q64 Q16 Q4 Sec	Tws Rng	X Y						
C 02110	4 3 23	24S 30E	608036 3562950* 🌍						
Driller License:	Driller Company:								
Driller Name: UNKNOWN									
Drill Start Date:	Drill Finish Date:	12/31/196	7 Plug Date:						
Log File Date:	PCW Rcv Date:		Source:						
Pump Type:	Pipe Discharge Size:		Estimated Yield: 15 GPM						
Casing Size: 7.00	Depth Well:	600 feet	Depth Water: 400 feet						

*UTM location was derived from PLSS - see Help

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9/9/20 9:44 AM

POINT OF DIVERSION SUMMARY

CONDITIONS

Action 12999

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

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

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

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

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

CONDITIONS OF APPROVAL

Operator: XTO ENERGY, INC	6401 Holiday Hill Road	OGRID: 5380	Action Number: 12999	Action Type: C-141
Building #5 Midland, TX	79707			
OCD Reviewer	Condition			
chensley	Closure report approved, QCD requires no further action at this time			