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

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

Form C-141
Revised April 3, 2017

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

nAB1809439206 DEVON 6137

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: XTO Energy	Contact: Amy Ruth
Address: 522 W. Mermod, Suite 704 Carlsbad, N.M. 88220	Telephone No: 575-689-3380
Facility Name: Devon Ice Dancer 30 Federal Com 2H	Facility Type: Exploration and Production

Surface Owner: Federal	Mineral Owner: Federal	API No: 30-015-39473

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	30	23S	30E	270	South	2640	East	Eddy

Latitude 32.269294° **Longitude** -103.920730° NAD83

NATURE OF RELEASE

Type of Release: Produced Water and Crude Oil	Volume of Release: 34 bbls 33 PW 1 oil	Volume Recovered: 1 bbl Oil
Source of Release: Third party damage to flowline by Terra contractor	Date and Hour of Occurrence: 3/19/2018 3 pm	Date and Hour of Discovery: 3/19/2018 3 pm
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Mike Bratcher/Crystal Weaver (NMOCD), Shelly Tucker/Jim Amos (BLM)	
By Whom? Kyle Littrell	Date and Hour: 3/20/2018 4:56 pm by phone and email	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken.*
Terra contractor ruptured poly flow line with pickup hitch when crossing line, causing a leak. Flow line was clamped until repairs could be made.

Describe Area Affected and Cleanup Action Taken.*
The release affected approximately 750 square feet of pasture immediately south of the lease road and 140 square feet of lease road to the east. Free standing fluids were recovered. An environmental contract company was retained to assist with delineation and remediation efforts.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature:
Printed Name: Amy Ruth
Title: Environmental Coordinator
E-mail Address: Amy_Ruth@xtoenergy.com
Date: 4/3/2018 Phone: 575-689-3380

OIL CONSERVATION DIVISION

Approved by Environmental Specialist: Signed By Mike Bratcher

Approval Date: 4/4/18 Expiration Date: N/A

Conditions of Approval: See Attached

Attached ☐ 2RP-4691

* Attach Additional Sheets If Necessary

District I
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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	NAB1809439206
District RP	2RP-4691
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

Latitude 32.269294 Longitude -103.920730
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Ice Dancer 30 Federal Com 2H	Site Type: Exploration and Production
Date Release Discovered 3/19/2018	API# *(if applicable)* 30-015-39473

Unit Letter	Section	Township	Range	County
O	30	23S	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) 1	Volume Recovered (bbls) 1
☒ Produced Water	Volume Released (bbls) 33	Volume Recovered (bbls) 0.0
	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: Terra contractor ruptured poly flow line with pickup hitch when crossing line, causing a leak. Flow line was clamped until repairs could be made.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NAB1809439206
District RP	2RP-4691
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? 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 Kyle Littrell to Mike Bratcher/Crystal Weaver (NMOCD), Shelly Tucker/Jim Amos (BLM) by phone and email March 20, 2018 at 4:56 PM.

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: Kyle Littrell Title: SH&E Supervisor

Signature: Date: 8/28/2020

email: Kyle_Littrell@xtoenergy.com Telephone:

OCD Only

Received by: Date:

Incident ID	NAB1809439206
District RP	2RP-4691
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.

State of New Mexico
Oil Conservation Division

Incident ID	NAB1809439206
District RP	2RP-4691
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: Kyle Littrell Title: SH&E Supervisor

Signature: Date: 8-28-2020

email: Kyle_Littrell@xtoenergy.com Telephone: _____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NAB1809439206
District RP	2RP-4691
Facility ID	
Application ID	

Closure

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

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

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

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

☒ Description of remediation activities

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

Printed Name: Kyle Littrell Title: SH&E Supervisor

Signature: Date: 8-28-2020

email: Kyle_Littrell@xtoenergy.com Telephone:

OCD Only

Received by: Date:

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

Closure Approved by: Date:

Printed Name: Title:

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
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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

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

MAY 15 2018
DISTRICT II-ARTESIA O.C.D.

Form C-141
Revised April 3, 2017

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

NAB1813754884 U137 Devon

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: XTO Energy	Contact: Amy C. Ruth
Address: 3104 E. Greene St., Carlsbad, N.M. 88220	Telephone No: 575-689-3380
Facility Name: Devon Ice Dancer 30 Federal Com 2H	Facility Type: Exploration and Production

Surface Owner: Federal	Mineral Owner: Federal	API No: 30-015-39473

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	30	23S	30E	230	South	2515	East	Eddy

Latitude 32.269178° **Longitude** -103.92033° NAD83

NATURE OF RELEASE

Type of Release: Produced Water with Crude Oil	Volume of Release: 11 BPW <1 BO	Volume Recovered: 7 BPW <1 BO
Source of Release: Third party damage to Flow Line	Date and Hour of Occurrence: 5/1/2018 8 am	Date and Hour of Discovery: 5/1/2018 8 am
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom? N/A	
By Whom? N/A	Date and Hour: N/A	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken.*
Road maintenance crew struck a Devon surface poly flow line. Line was repaired.

Describe Area Affected and Cleanup Action Taken.*
The release affected the lease road and pasture soils immediately adjacent to the lease road. Standing fluids were recovered. Maintenance contractor has retained an environmental company to assist with remediation efforts.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature:	OIL CONSERVATION DIVISION
Printed Name: Amy C. Ruth	Signed By / Approved by Environmental Specialist:
Title: Environmental Coordinator	Approval Date: 5/16/18 Expiration Date: N/A
E-mail Address: Amy_Ruth@xtoenergy.com	Conditions of Approval: See attached Attached ☐
Date: 5/15/2018 Phone: 575-689-3380	

* Attach Additional Sheets If Necessary

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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	NAB1813754884
District RP	2RP-4752
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

Latitude 32.269178 Longitude -103.92033
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Ice Dancer 30 Federal Com 2H	Site Type: Exploration and Production
Date Release Discovered 5/1/2018	API# *(if applicable)* 30-015-39473

Unit Letter	Section	Township	Range	County
O	30	23S	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) <1	Volume Recovered (bbls) <1
☒ Produced Water	Volume Released (bbls) 11	Volume Recovered (bbls) 7
	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: Road maintenance crew struck a Devon surface poly flow line. Line was repaired.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NAB1813754884
District RP	2RP-4752
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?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Not required	

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: Kyle Littrell Title: SH&E Supervisor

Signature: Date: 8-28-2020

email: Kyle_Littrell@xtoenergy.com Telephone:

OCD Only

Received by: Date:

State of New Mexico
Oil Conservation Division

Incident ID	NAB1813754884
District RP	2RP-4752
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 State of New Mexico
Page 4 Oil Conservation Division

Incident ID	NAB1813754884
District RP	2RP-4752
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: Kyle Littrell Title: SH&E Supervisor

Signature: Date: 8-28-2020

email: Kyle_Littrell@xtoenergy.com Telephone: _____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NAB1813754884
District RP	2RP-4752
Facility ID	
Application ID	

Closure

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

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

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

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

☒ Description of remediation activities

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

Printed Name: Kyle Littrell Title: SH&E Supervisor

Signature: Date: 8-28-2020

email: Kyle_Littrell@xtoenergy.com Telephone:

OCD Only

Received by: Date:

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

Closure Approved by: Date:

Printed Name: Title:

A proud member of WSP

LT Environmental, Inc.
3300 North "A" Street
Building 1, Unit 103
Midland, Texas 79705
432.704.5178

August 28, 2020

Mr. Mike Bratcher
New Mexico Oil Conservation Division
811 South First Street
Artesia, New Mexico 88210

RE: Closure Request Addendum
Ice Dancer 30 Federal Com 2H
Remediation Permit Numbers 2RP-4691 and 2RP-4752
Eddy County, New Mexico

Dear Mr. Bratcher:

LT Environmental, Inc. (LTE), on behalf of XTO Energy, Inc. (XTO), presents the following addendum to the original Closure Request submitted November 9, 2018 by Souder, Miller & Associates (SMA). This addendum provides an update to the Closure Criteria applied at the Ice Dancer 30 Federal Com #002H (Site) in Unit O, Section 30, Township 23 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 identified that the incorrect Closure Criteria was applied to the Site. The release was located in a high potential karst area and additional remediation activities were required in order to show compliance with the most stringent Closure Criteria. Based on the additional delineation and soil sampling activities described below, XTO is requesting no further action (NFA) for Remediation Permit (RP) Numbers 2RP-4691 and 2RP-4752.

BACKGROUND

On November 9, 2018, a Closure Request was submitted to NMOCD for the following two historical releases:

- On March 19, 2018, a poly flowline ruptured due to a third-party contractor crossing the line. Approximately 33 barrels (bbls) of produced water and 1 bbl of crude oil were released. The release affected approximately 140 square feet of lease road and approximately 750 square feet of pasture south of the lease road. Initial response efforts included clamping the flowline until repairs could be made and recovering approximately 1 bbl of crude oil. XTO reported the release to the NMOCD on a Release Notification and Corrective Action Form C-141 (Form C-141) on April 3, 2018 and was assigned RP Number 2RP-4691.

- On May 1, 2018, a surface poly flowline was struck by a road maintenance crew, causing the release of approximately 11 bbls of produced water and less than 1 bbl of crude oil. The release affected the same area of lease road and pasture area south of the lease road as the previous release. Initial response efforts included recovering approximately 7 bbls of produced water and less than 1 bbl of crude oil, and repairing the flowline. XTO reported the release to the NMOCD on a Form C-141 on May 15, 2018 and was assigned RP Number 2RP-4752.

During May 2018, SMA personnel oversaw remediation activities for the two historical releases. A Remediation Closure Report was submitted to the NMOCD on November 9, 2018. The Closure Report presented the site characterization, preliminary, delineation, and excavation soil sample locations, a map of the final excavation extent, site photographs, and soil sample laboratory analytical results. The site characterization summary, excavation figure, and table of analytical results from SMA's Closure Report are provided in Attachment 1 for reference.

The following NMOCD Table 1 Closure Criteria (Closure Criteria) were applied:

- 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: 10,000 mg/kg

Closure was requested based on laboratory analytical results for the final excavation and delineation soil samples indicating chloride concentrations were compliant with the 10,000 mg/kg Closure Criteria initially applied to the Site.

On June 24, 2020, NMOCD denied closure, via email, for the following reasons:

- *This release occurred in a high karst area and will need to be remediated to the strictest closure criteria of <50' depth to groundwater from Table 1 of the spill rule. Soil sample location "BH" will need to be delineated/excavated equivalent to <50' depth to groundwater.*
- *The samples must be analyzed for the constituents listed in Table I of 19.15.29.12 NMAC or constituents from other applicable remediation standards. This requires all samples to be tested for chlorides, TPH, BTEX, and Benzene.*

ADDITIONAL SITE ACTIVITIES

During August 2020, LTE personnel was at the Site to complete additional site assessment activities to confirm that impacted soil had been removed to below the most stringent Closure Criteria. Laboratory analytical results for the May 2018 excavation soil samples indicated that the sidewall samples were below 600 mg/kg for chloride; therefore, no additional lateral excavation was required. Three delineation soil samples collected from the original "BH" sample location in the middle of the excavated area indicated that chloride concentrations exceeded 600 mg/kg in the surface sample and at depths of 2 feet and 4 feet bgs. As a result, the subsequent excavation was completed to a depth of 4 feet bgs. SMA's analytical results table indicates that all "BH" samples (surface, 2-foot, and 4-foot samples) were excavated; however, no excavation floor samples were collected to confirm the removal of the impacted soil.

On August 18, 2020, LTE oversaw the advancement of four boreholes within the former excavation extent. Boreholes BH01 through BH04 were advanced to a depth of 7 feet bgs via hydro-vacuum and hand auger to assess for the presence or absence of impacted soil in the floor of and beneath the former excavation. Below four feet, soil from the boreholes was sampled every foot and field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photoionization detector (PID) and Hach® chloride QuanTab® test strips, respectively. Based on the absence of elevated field screening results, delineation soil samples were collected from each borehole from a depth of 4.5 feet to 5 feet bgs in the soil interval directly below the floor of the former excavation. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Attachment 2. The delineation soil sample locations are depicted on Figure 2. Photographic documentation was conducted during the Site visit. Photographs are included in Attachment 3.

The delineation soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were shipped at or below 4 degrees Celsius (°C) under strict chain-of-custody (COC) procedures to Xenco Laboratories (Xenco) in Carlsbad, New Mexico, for analysis of chloride following USEPA Method 300.0.

ANALYTICAL RESULTS

Laboratory analytical results for the delineation soil samples collected from boreholes BH01 through BH04 indicated that chloride concentrations were below 600 mg/kg and were compliant with the most stringent Closure Criteria. The laboratory analytical results confirmed that the impacted soil was successfully removed during the May 2018 excavation activities.

LTE and XTO believe that analysis of chloride only is justified for this release for the following reasons:

- The surface sample collected from the original "BH" location was collected as a source sample from within the release extent and was analyzed for all Table 1 constituents, as required. The source sample was used to characterize the release and identify the constituents of concern. Chloride was the only constituent to exceed the Closure Criteria; therefore, all subsequent samples were analyzed for chloride only.
- The releases consisted primarily of produced water. Less than 2 bbls of crude oil were released during the two release events and the released oil was recovered during initial response activities.
- The source sample was collected within 2 weeks of the more recent release (2RP-4752).
- The delineation soil samples collected from boreholes BH01 through BH04 were field screened for volatile aromatic hydrocarbons using a PID. No elevated field screenings were identified (highest PID reading of 0.8 ppm).
- Due to the volume and source of the release, vertical migration of chloride is expected to be greater than for hydrocarbons at this Site. Therefore, since chloride impacted soil was removed to below the Closure Criteria, any residual hydrocarbons would have also been excavated.

Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Attachment 4.

CLOSURE REQUEST

Site assessment and excavation activities were completed at the Site to address the historical releases of produced water and crude oil. Laboratory analytical results were below 600 mg/kg for chloride in the May 2018 excavation sidewall samples and the August 2020 vertical delineation samples. Based on the excavation and delineation soil sample analytical results, no further remediation is required.

Initial response efforts, natural attenuation, and excavation of impacted soil have mitigated impacts at this Site. Based on the laboratory analytical results for the final excavation and delineation soil samples, XTO requests no further action for RP Numbers 2RP-4691 and 2RP-4752.

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

Sincerely,

LT ENVIRONMENTAL, INC.

Aimee Cole
Project Environmental Scientist

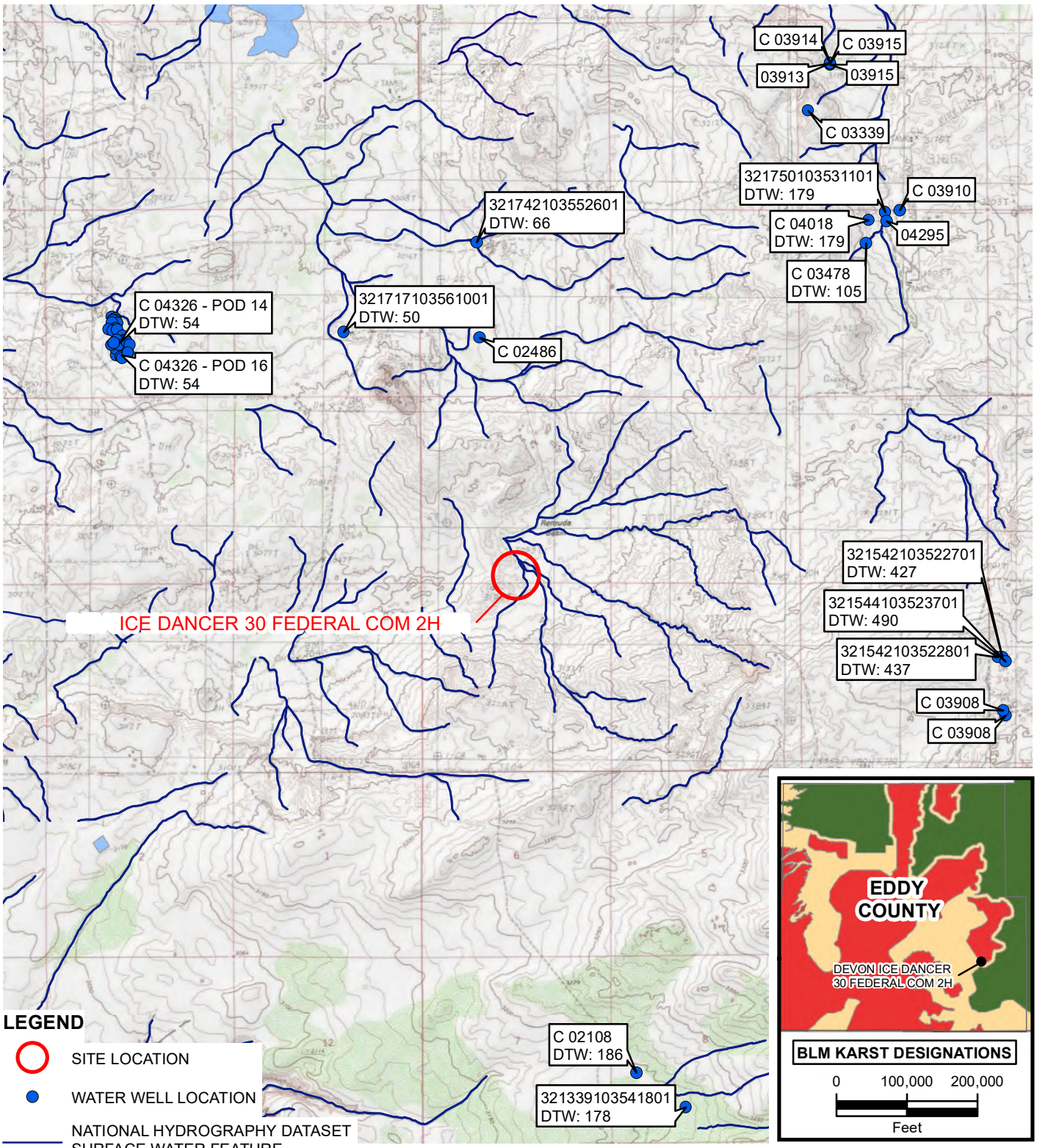
Ashley L. Ager, P.G.
Senior Geologist

cc: Kyle Littrell, XTO
Jim Amos, United States Bureau of Land Management – New Mexico
Robert Hamlet, NMOCD
Victoria Venegas, NMOCD

Attachments:

Figure 1	Site Location Map
Figure 2	Delineation Soil Sample Locations
Table 1	Soil Analytical Results
Attachment 1	Site Characterization, Figure, and Table from SMA Closure Report (11-2018)
Attachment 2	Lithologic / Soil Sample Logs
Attachment 3	Photographic Log
Attachment 4	Laboratory Analytical Reports

FIGURES



NOTE: INCIDENT NUMBER NAB1809439206 (3-19-2018), NAB1813754884 (5-1-2018)
DTW: DEPTH TO WATER IN FEET
BLM: BUREAU OF LAND MANAGEMENT

FIGURE 1
SITE LOCATION MAP
ICE DANCER 30 FEDERAL COM 2H
UNIT O SEC 30 T23S R30E
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.

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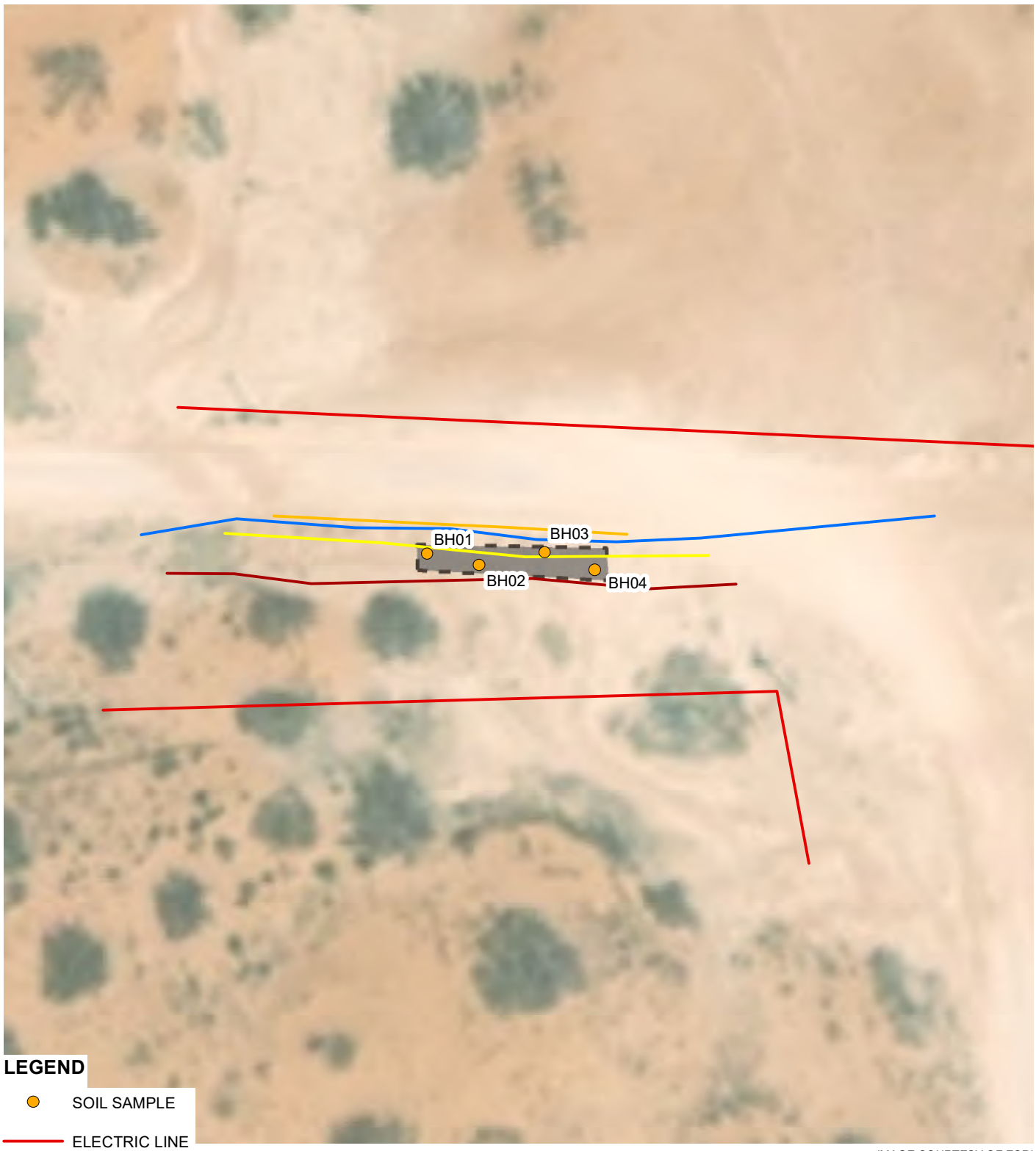
P:\XTO Energy\GIS\MXD\012920111_ICE DANCER 30 FED COM #2H\012920111_FIG01_SL_RECEPTOR_2020.mxd



LEGEND

- SOIL SAMPLE
- ELECTRIC LINE
- ENERGY TRANSFER LINE
- DCP GAS LINE
- XTO GAS LINE
- DEVON WATER LINE
- HISTORICAL EXCAVATION EXTENT

NOTE: INCIDENT NUMBER NAB1809439206 (3-19-2018), NAB1813754884 (5-1-2018)

IMAGE COURTESY OF ESRI

0 50 100
Feet

N

FIGURE 2
DELINEATION SOIL SAMPLE LOCATIONS
ICE DANCER 30 FEDERAL COM 2H
UNIT O SEC 30 T23S R30E
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.

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P:\XTO Energy\GIS\MXD\012920111_ICE DANCER 30 FED COM #2H\012920111_FIG02_DELINEATION_2020.mxd

TABLES

TABLE 1
SOIL ANALYTICAL RESULTS

ICE DANCER 30 FEDERAL COM 2H
REMEDIATION PERMIT NUMBERS 2RP-4691 AND 2RP-4752
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.

Sample Name	Sample Depth (feet bgs)	Sample Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria			**10**	NE	NE	NE	**50**	NE	NE	NE	NE	**100**	**600**
BH01	4.5 - 5.0	08/18/2020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10.1
BH02	4.5 - 5.0	08/18/2020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10.0
BH03	4.5 - 5.0	08/18/2020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<9.92
BH04	4.5 - 5.0	08/18/2020	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	74.0

Notes:

bgs - below ground surface
BTEX - benzene, toluene, ethylbenzene, and total xylenes
DRO - diesel range organics
GRO - gasoline range organics
mg/kg - milligrams per kilogram
ORO - motor oil range organics
NMAC - New Mexico Administrative Code
NMOCD - New Mexico Oil Conservation Division
NE - not established
TPH - total petroleum hydrocarbons
Bold - indicates result exceeds the applicable regulatory standard
< - indicates result is below laboratory reporting limits
Table 1 - closure criteria for soils impacted by a release per NMAC 19.15.29 August 2018
NA - not analyzed

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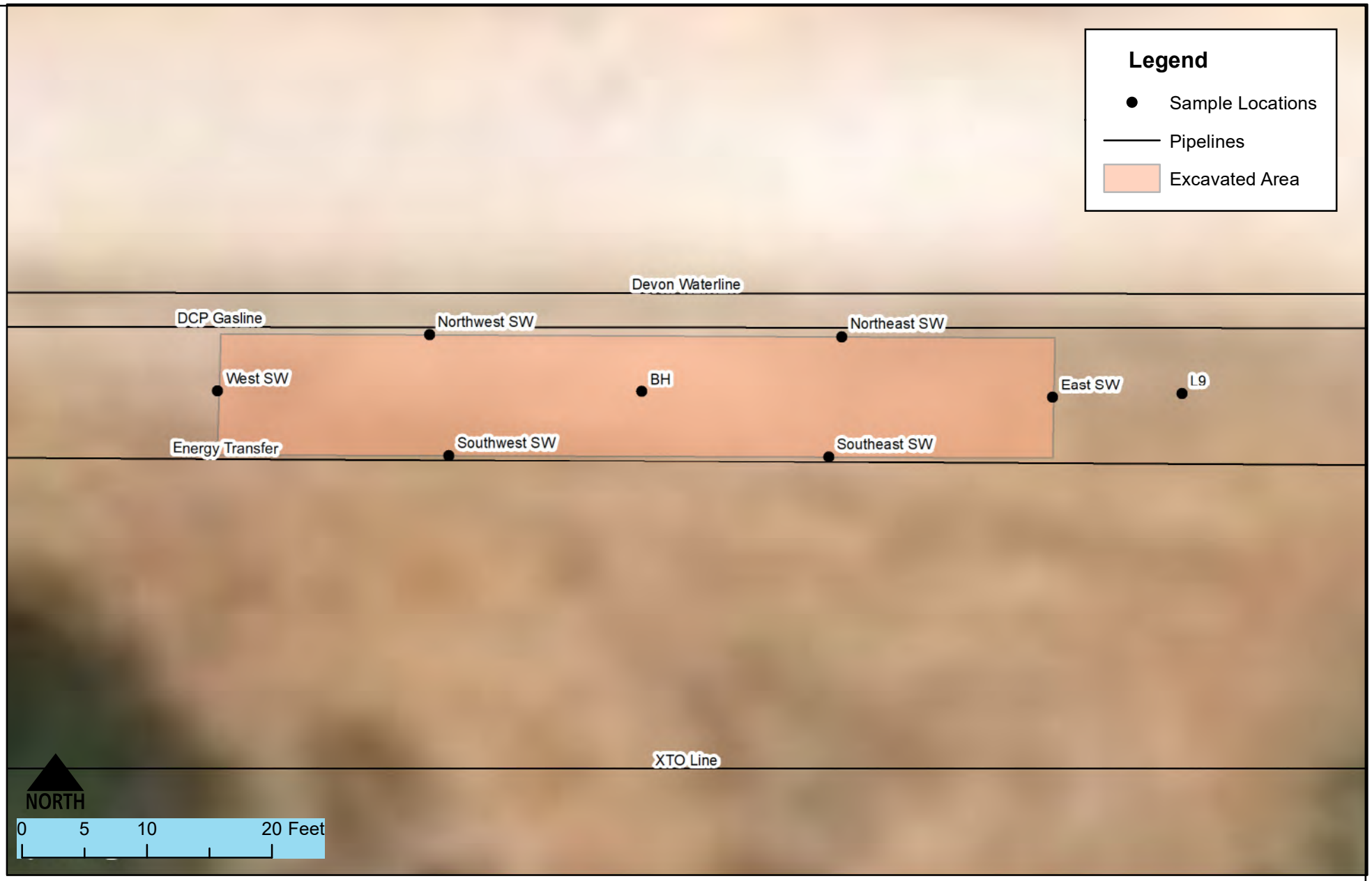
ATTACHMENT 1: SITE CHARATERIZATION, FIGURE, TABLE (SMA CLOSURE REPORT 11-2018)

Site Information (19.15.29.11.A(2, 3, and 4) NMAC)		Source/Notes
Depth to Groundwater (feet bgs)	Approx. 90	Adkins Engineering
Hortizontal Distance From All Water Sources Within 1/2 Mile (ft)	N/A	OSE
Hortizontal Distance to Nearest Significant Watercourse (ft)	12,350'	USGS 7.5 min. Topographic Map

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

SMA #



Site & Sample Location Map
Ice Dancer 30 Federal Com 2H - XTO
Eddy County, New Mexico

Figure 3

Revisions
By: Date: Descr:
By: Date: Descr:

Drawn Melodie Sanjari
Checked
Approved

201 South Halaguena Street
Carlsbad, New Mexico 88221
(575) 689-7040
www.soudermiller.com
Serving the Southwest & Rocky Mountains

Date Saved: 8/14/2018

Document: C:\Users\mrs.SMA\Documents\GISdata\Maps\Ice Dancer.mxd

Ice Dancer Sample Summary

Table 3

Sample Number on Figure 3	Sample Date	Depth (feet bgs)	Completed Action	BTEX mg/Kg	Benzene mg/Kg	GRO mg/Kg	DRO mg/Kg	MRO mg/Kg	**Total TPH** mg/Kg	Cl- Laboratory mg/Kg
NMOCD RRAL's Closure Critia				50 mg/Kg	10 mg/Kg				100 mg/Kg	600
BH	5/15/2018	surface	excavated	<0.21	<0.023	<4.7	28	<47	28	8700
	5/15/2018	2	excavated	--	--	--	--	--	--	6000
	5/15/2018	4	excavated	--	--	--	--	--	--	6600
West SW	5/15/2018	0-4	in-situ	--	--	--	--	--	--	71
East SW	5/15/2018	0-4	in-situ	--	--	--	--	--	--	<30
Southwest SW	5/15/2018	0-4	in-situ	--	--	--	--	--	--	370
Southeast SW	5/15/2018	0-4	in-situ	--	--	--	--	--	--	500
Northeast SW	5/15/2018	0-4	in-situ	--	--	--	--	--	--	<30
Northwest SW	5/15/2018	0-4	in-situ	--	--	--	--	--	--	<30
L9	5/15/2018	surface	in-situ	<0.216	<0.024	<4.8	<9.6	<48	<62.4	--
BG	5/15/2018	background	in-situ	--	--	--	--	--	--	110

"--" = Not Analyze

excavated

ATTACHMENT 2: LITHOLOGIC / SOIL SAMPLE LOGS

LT Environmental, Inc.
508 West Stevens Street
Carlsbad, New Mexico 88220
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BH or PH Name: BH01	Date: 8/18/2020
Site Name: Ice Dancer 30 Federal Com 2H	
RP or Incident Number: NAB1809439206	
LTE Job Number: 12920111	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: Will Mather	Method: Hydrovac/Hand Auger		
Lat/Long:	Field Screening: Chloride, PID	Hole Diameter: 4" - 8"	Total Depth: 7'

Comments:
First 4' removed with hydrovac (No water used) then advanced with hand auger below 4'

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						0	SP	0'-7' SAND, fine grain, poorly graded, brown, few silt, no odor, no stain, moist
						1		5.5'-7' Color shift, Brown --> Brown-gray
						2		
						3		
						4		
M	<124	0.1	N	BH01	4.5'	5	SP	
M	<124	0.1	N			6		
M	<124	0	N			7	SP	
								Total Depth: 7'bgs

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Carlsbad, New Mexico 88220
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BH or PH Name: BH02	Date: 8/18/2020
Site Name: Ice Dancer 30 Federal Com 2H	
RP or Incident Number: NAB1809439206	
LTE Job Number: 12920111	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: Will Mather	Method: Hydrovac/Hand Auger		
Lat/Long:	Field Screening: Chloride, PID	Hole Diameter: 4" - 8"	Total Depth: 7'

Comments:
First 4' removed with hydrovac (No water used) then advanced with hand auger below 4'

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						0	SP	0'-7' SAND, fine grain, poorly graded, brown, few silt, no odor, no stain, moist
						1		
						2		
						3		
						4		
M	<124	0.3	N	BH02	4.5'	5	SP	
M	<124	0.6	N			6		
M	<124	0	N			7	SP	
								Total Depth: 7'bgs

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Carlsbad, New Mexico 88220
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BH or PH Name: BH03	Date: 8/18/2020
Site Name: Ice Dancer 30 Federal Com 2H	
RP or Incident Number: NAB1809439206	
LTE Job Number: 12920111	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: Will Mather	Method: Hydrovac/Hand Auger		
Lat/Long:	Field Screening: Chloride, PID	Hole Diameter: 4" - 8"	Total Depth: 7'

Comments:
First 4' removed with hydrovac (No water used) then advanced with hand auger below 4'

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						0	SP	0'-7' SAND, fine grain, poorly graded, brown, few silt, no odor, no stain, moist
						1		
						2		
						3		
						4		
M	<124	0.4	N	BH03	4.5'	5	SP	
M	<124	0.3	N			6		
M	<124	0.1	N			7	SP	
								Total Depth: 7'bgs

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Carlsbad, New Mexico 88220
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BH or PH Name: BH04	Date: 8/18/2020
Site Name: Ice Dancer 30 Federal Com 2H	
RP or Incident Number: NAB1809439206	
LTE Job Number: 12920111	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: Will Mather	Method: Hydrovac/Hand Auger		
Lat/Long:	Field Screening: Chloride, PID	Hole Diameter: 4" - 8"	Total Depth: 7'

Comments:
First 4' removed with hydrovac (No water used) then advanced with hand auger below 4'

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						0	SP	0'-7' SAND, fine grain, poorly graded, brown, few silt, no odor, no stain, moist
						1		
						2		
						3		
						4		
M	<124	0.4	N	BH04	4.5'	5	SP	
M	<124	0.3	N			6		
M	<124	0.8	N			7	SP	
								Total Depth: 7'bgs

ATTACHMENT 3: PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG

Photograph 1: View of area facing east.

Photograph 2: View of area facing west.

Photograph 3: View of area facing northwest.

Photograph 4: View of area facing east.

Ice Dancer 30 Federal Com 2H
32.269333, -103.920570
Photographs Taken: August 18, 2020

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PHOTOGRAPHIC LOG

Photograph 5: View of hydrovac deploying to spot lines in area.

Photograph 6: View of hydrovac spots being backfilled.

Photograph 7: View of area facing west, post spotting and delineation.

Photograph 8: View of area facing east, post spotting and delineation.

Ice Dancer 30 Federal Com 2H
32.269333, -103.920570
Photographs Taken: August 18, 2020

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ATTACHMENT 4: LABORATORY ANALYTICAL REPORTS

eurofins | Environment Testing Xenco

Certificate of Analysis Summary 670394

LT Environmental, Inc., Arvada, CO

Project Name: Ice Dancer 30 Federal Com #002H

Project Id: 012920111
Contact: Dan Moir
Project Location: Eddy

Date Received in Lab: Wed 08.19.2020 11:00
Report Date: 08.21.2020 17:45
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	670394-001		670394-002		670394-003		670394-004					
	Field Id:	BH01		BH02		BH03		BH04					
	Depth:	4.5-5.0 ft		4.5-5.0 ft		4.5-5.0 ft		4.5-5.0 ft					
	Matrix:	SOIL		SOIL		SOIL		SOIL					
	Sampled:	08.18.2020 13:55		08.18.2020 14:42		08.18.2020 15:02		08.18.2020 15:20					
Chloride by EPA 300	***Extracted:***	08.19.2020 16:31		08.19.2020 16:31		08.19.2020 16:31		08.19.2020 16:31					
	Analyzed:	08.19.2020 20:49		08.19.2020 20:55		08.19.2020 21:00		08.19.2020 21:06					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		<10.1	10.1	<10.0	10.0	<9.92	9.92	74.0	9.98				

BRL - Below Reporting Limit

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

Jessica Kramer

eurofins | Environment Testing Xenco

Analytical Report 670394

for

LT Environmental, Inc.

Project Manager: Dan Moir

Ice Dancer 30 Federal Com #002H

012920111

08.21.2020

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-37), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), 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)

eurofins | Environment Testing Xenco

08.21.2020

Project Manager: **Dan Moir**
LT Environmental, Inc.
4600 W. 60th Avenue
Arvada, CO 80003

Reference: Eurofins Xenco, LLC Report No(s): **670394**
Ice Dancer 30 Federal Com #002H
Project Address: Eddy

Dan Moir:

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) 670394. 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. 670394 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

eurofins | Environment Testing Xenco

Sample Cross Reference 670394

LT Environmental, Inc., Arvada, CO

Ice Dancer 30 Federal Com #002H

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
BH01	S	08.18.2020 13:55	4.5 - 5.0 ft	670394-001
BH02	S	08.18.2020 14:42	4.5 - 5.0 ft	670394-002
BH03	S	08.18.2020 15:02	4.5 - 5.0 ft	670394-003
BH04	S	08.18.2020 15:20	4.5 - 5.0 ft	670394-004

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CASE NARRATIVE

Client Name: LT Environmental, Inc.

Project Name: Ice Dancer 30 Federal Com #002H

Project ID: *012920111*
Work Order Number(s): *670394*

Report Date: *08.21.2020*
Date Received: *08.19.2020*

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

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Certificate of Analytical Results 670394

LT Environmental, Inc., Arvada, CO

Ice Dancer 30 Federal Com #002H

Sample Id:	**BH01**	Matrix:	Soil	Date Received:	08.19.2020 11:00
Lab Sample Id:	670394-001	Date Collected:	08.18.2020 13:55	Sample Depth:	4.5 - 5.0 ft
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	08.19.2020 16:31	Basis:	Wet Weight
Seq Number:	3135047				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.1	10.1	mg/kg	08.19.2020 20:49	U	1

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Certificate of Analytical Results 670394

LT Environmental, Inc., Arvada, CO

Ice Dancer 30 Federal Com #002H

Sample Id:	**BH02**	Matrix:	Soil	Date Received:	08.19.2020 11:00
Lab Sample Id:	670394-002	Date Collected:	08.18.2020 14:42	Sample Depth:	4.5 - 5.0 ft
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	08.19.2020 16:31	Basis:	Wet Weight
Seq Number:	3135047				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.0	10.0	mg/kg	08.19.2020 20:55	U	1

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Certificate of Analytical Results 670394

LT Environmental, Inc., Arvada, CO

Ice Dancer 30 Federal Com #002H

Sample Id:	**BH03**	Matrix:	Soil	Date Received:	08.19.2020 11:00
Lab Sample Id:	670394-003	Date Collected:	08.18.2020 15:02	Sample Depth:	4.5 - 5.0 ft
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	08.19.2020 16:31	Basis:	Wet Weight
Seq Number:	3135047				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.92	9.92	mg/kg	08.19.2020 21:00	U	1

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Certificate of Analytical Results 670394

LT Environmental, Inc., Arvada, CO

Ice Dancer 30 Federal Com #002H

Sample Id:	**BH04**	Matrix:	Soil	Date Received:	08.19.2020 11:00
Lab Sample Id:	670394-004	Date Collected:	08.18.2020 15:20	Sample Depth:	4.5 - 5.0 ft
Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	08.19.2020 16:31	Basis:	Wet Weight
Seq Number:	3135047				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**74.0**	9.98	mg/kg	08.19.2020 21:06		1

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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

QC Summary 670394

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LT Environmental, Inc.

Ice Dancer 30 Federal Com #002H

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3135047 Matrix: Solid Date Prep: 08.19.2020
MB Sample Id: 7709778-1-BLK LCS Sample Id: 7709778-1-BKS LCSD Sample Id: 7709778-1-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	265	106	269	108	90-110	1	20	mg/kg	08.19.2020 19:42	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3135047 Matrix: Soil Date Prep: 08.19.2020
Parent Sample Id: 670385-015 MS Sample Id: 670385-015 S MSD Sample Id: 670385-015 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<9.96	199	205	103	205	103	90-110	0	20	mg/kg	08.19.2020 19:59	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3135047 Matrix: Soil Date Prep: 08.19.2020
Parent Sample Id: 670438-001 MS Sample Id: 670438-001 S MSD Sample Id: 670438-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	190	200	393	102	392	101	90-110	0	20	mg/kg	08.19.2020 21:17	

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

XENCO LABORATORIES

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) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)

Work Order No: 670394

www.xenco.com Page 1 of 1

Project Manager:	Dan Moir	Bill to: (if different)	Kyle Littrell
Company Name:	LT Environmental, Inc., Permian office	Company Name:	XTO Energy
Address:	3300 North A Street	Address:	
City, State ZIP:	Midland, Tx 79705	City, State ZIP:	
Phone:	(432) 236-3849	Email:	wmather@ltenv.com, dmoir@ltenv.com

Work Order Comments

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

Project Name:	Ice Dancer 30 Federal Com #002H	Turn Around	
Project Number:	012920111	Routine	☑
P.O. Number:	Eddy	Rush:	
Sampler's Name:	William Mather	Due Date:	

SAMPLE RECEIPT				
Temperature (°C):	0.6/0.4	Temp Blank: (Yes) No	Wet Ice: (Yes) No	
Received Intact:	(Yes) No	Thermometer ID	TNM007	
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes (No) N/A	Total Containers:	4	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)
BH01	s	8/18/2020	13:55	4.5' - 5.0'	1			x
BH02	s	8/18/2020	14:42	4.5' - 5.0'	1			x
BH03	s	8/18/2020	15:02	4.5' - 5.0'	1			x
BH04	s	8/18/2020	15:20	4.5' - 5.0'	1			x

Work Order Notes

TAT starts the day recevied by the lab, if received by 4:30pm

Sample Comments

Discrete
Discrete
Discrete
Discrete

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 SiO2 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 **1631 / 245.1 / 7470 / 7471** : Hg

ice: 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 ervice. 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 enco. A minimum charge of $75.00 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
1			08-19-20/0930	2			8/19/20 11:00
				4			
				6			

Revised Date 051418 Rev. 2018.1

State of New Mexico
Oil Conservation Division

Incident ID	NAB1809439206
District RP	2RP-4691
Facility ID	
Application ID	

Closure

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

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

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

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

☒ Description of remediation activities

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

Printed Name: Kyle Littrell Title: SH&E Supervisor

Signature: Kyle Littrell Date: 8-28-2020

email: Kyle_Littrell@xtoenergy.com Telephone:

OCD Only

Received by: Robert Hamlet Date: 2/11/2021

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.

Closure Approved by: Robert Hamlet Date: 2/11/2021

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

From:	Hamlet, Robert, EMNRD
To:	Baker, Adrian
Cc:	Bratcher, Mike, EMNRD; Eads, Cristina, EMNRD; Hensley, Chad, EMNRD
Subject:	Closure Approval - XTO/ExxonMobil - Ice Dancer 30 Fed Com #2 - (Incident #NAB1809439206 and #NAB1813754884)
Date:	Thursday, February 11, 2021 11:09:00 AM
Attachments:	Closure Approval - XTO - Ice Dancer 30 Fed Com #2H - (NAB1809439206).pdf Closure Approval - XTO - Ice Dancer 30 Fed Com #2H - (NAB1813754884).pdf

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Adrian,

We have received your closure report and final C-141s for **Incident #NAB1809439206 and #NAB1813754884 Ice Dancer 30 Fed Com #2**, thank you. This closures are approved.

Please let me know if you have any further questions.

Regards,

Robert Hamlet ● Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
811 S. First Street | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
http://www.emnrd.state.nm.us/OCD/

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 9956

CONDITIONS OF APPROVAL

Operator:	OGRID:	Action Number:	Action Type:
XTO ENERGY, INC 6401 Holiday Hill Road Building #5 Midland, TX79707	5380	9956	C-141

OCD Reviewer	Condition
rhamlet	We have received your closure report and final C-141 for Incident #NAB1809439206 Ice Dancer 30 Fed Com #2, thank you. This closure is approved.