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 1.220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

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

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

Incident ID	NAB 1907955404
District RP	CRP-5309
Facility ID	
Application ID	pAB1907954910

Release Notification

Responsible Party XTO Energy				OGRID	5380
Contact Name Kyle Littrell				Contact To	elephone 432-221-7331
Contact email	Cyle_Litt	rell@xtoenergy.co	om	Incident #	(assigned by OCD) NAB 1907955404
Contact mailing a	address	522 W. Mermod,	Carlsbad, NM 882	220	
			Location of	of Release Se	Durce
atitude 32.277	7406°			Longitude	-103.945129°
			(NAD 83 in decid	mal degrees to 5 decir	nal places)
Site Name Remu	uda 25 O	bservation Well #	001	Site Type	Observation Well
Date Release Disc	covered	2/28/2019			olicable) 30-015-45751
Unit Letter Se	ection	Township	Range	Cour	nty
Е	25	23S	29E	Edd	v
	Material	s) Released (Select all	Nature and		Release
Crude Oil	- William	Volume Released		aleanationa of appearing	Volume Recovered (bbls) 199
Produced Wat	ter	Volume Released	l (bbls) 2746		Volume Recovered (bbls) 596
			on of total dissolve vater >10,000 mg/l		☐ Yes ☐ No
Condensate		Volume Released (bbls)			Volume Recovered (bbls)
		Volume Released (Mcf)			Volume Recovered (Mcf)
■ Natural Gas		Volume/Waight	Released (provide	units)	Volume/Weight Recovered (provide units)
☐ Natural Gas	pe)	Volume Weight	(,	

Form C-141 Page 2

State of New Mexico Oil Conservation Division

	At .	
Incident ID	NAB1907955404	
District RP	2RP-5309	
Facility ID		
Application ID	PAB1907954910	= 6

Was this a major	If YES, for what reason(s) does the response	nsible party consider this a major release?
release as defined by 19.15.29.7(A) NMAC?	An unauthorized release of a volume of 2	5 barrels or more
19.13.29.7(A) NIVIACI		
☐ Yes ☐ No		
The second secon		
If YES, was immediate no	otice given to the OCD? By whom? To w	hom? When and by what means (phone, email, etc)?
		m Griswold (NMOCD), Ryan Mann (SLO), and Jim Amos (BLM)
on 3/1/2019 by email	italii to Wilke Diatoliot, 100 Halliot, Bild J.	in onsword (1112005), regain wanti (550), and viti ramos (55111)
	Initial R	esponse
The responsible	mark, must sudantake the following actions immediate	by unless they could create a safety hazard that would result in injury
The responsible	party must undertake the joilowing actions immediate	ну итех теу соша стеше и зијену пагага тан жота гезин in injury
The source of the rele	bas bass stard	
		14
The second secon	is been secured to protect human health and	
		dikes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed as	d managed appropriately.
15000	d above have <u>not</u> been undertaken, explain	why;
N/A		
Per 19 15 29 8 R (4) NM	AC the responsible party may commence	remediation immediately after discovery of a release. If remediation
		efforts have been successfully completed or if the release occurred
within a lined containmen	nt area (see 19.15.29.11(A)(5)(a) NMAC),	please attach all information needed for closure evaluation.
I hereby certify that the infor	rmation given above is true and complete to the	best of my knowledge and understand that pursuant to OCD rules and
		ifications and perform corrective actions for releases which may endanger
		OCD does not relieve the operator of liability should their operations have cat to groundwater, surface water, human health or the environment. In
addition, OCD acceptance of		responsibility for compliance with any other federal, state, or local laws
and/or regulations.		
Printed Name: Kyle Littr	ell	Title: SH&E Supervisor
Sin H	The state of the s	3-13-19
Signature:	7 min	Date:
email: Kylo Littrell@xto	benergy.com	Telephone: 432-221-7331
OCD Only		
\sim	rahio Distamente	2/20/2040
Received by:	WILL STAMBLE	Date: 3/20/2019

Incident ID NAB1907955404 District RP 2RP-5309 Facility ID Application ID pAB1907954910

Site Assessment/Characterization

t nis information must be provided to the appropriate district office no taler than 90 days after the release discovery date.				
What is the shallowest depth to groundwater beneath the area affected by the release?	<u>50-100</u> (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 				

<u>C</u>	Characterization Report Checklist: Each of the following items must be included in the report.
\geq	Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
\geq	Field data
\triangleright	Data table of soil contaminant concentration data
\geq	Depth to water determination
\geq	Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
\geq	Boring or excavation logs
\geq	Photographs including date and GIS information
\geq	Topographic/Aerial maps
\triangleright	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.

Received by OCD: 2/26/2021 5:16:51 PM Form C-141 State of New Mexico Page 4 Oil Conservation Division

	Page 4 of 24	l
Incident ID	NAB1907955404	
District RP	2RP-5309	
Facility ID		
Application ID	pAB1907954910	

I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release not public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a thr addition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	oCD does not relieve the operator of liability should their operations have reat to groundwater, surface water, human health or the environment. In
Printed Name:Kyle Littrell	SH&E Supervisor
Signature:	Date:10/28/2019
email:Kyle_Littrell@xtoenergy.com	Telephone:(432)-221-7331
OCD Only Received by: Robert Hamlet	Date: 11/13/2019

Page 5 of 24

Incident ID NAB1907955404

District RP 2RP-5309

Facility ID

Application ID pAB1907954910

Remediation Plan

Remediation Plan Checklist: Each of the following items must b	e included in the plan.			
Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)				
Deferral Requests Only: Each of the following items must be con	afirmed as part of any request for deferral of remediation.			
_	roduction equipment where remediation could cause a major facility			
Contamination does not cause an imminent risk to human health	n, the environment, or groundwater.			
	e and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of			
Signature:	Date: _2/26/2021			
email:Kyle_Littrell@xtoenergy.com	Telephone: (432)-221-7331			
OCD Only				
Received by: Cristina Eads	Date: 06/25/2021			
Approved Approved with Attached Conditions of				
Signature: //www.	<u>Date:</u> 06/25/2021			

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

State of New Mexico Energy Minerals and Natural Resources Department

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

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

Incident ID	NAB 1907955404
District RP	↑ 2RP-5309
Facility ID	
Application ID	pAB1907954910

Release Notification

Responsible Party XTO Energy				OGRID	OGRID 5380	
Contact Nam				Contact Te	elephone 432-221-7331	
Contact emai	l Kyle_Li	ttrell@xtoenergy.co	om	Incident #	(assigned by OCD) NAB 1907955404	
Contact maili	ing address	522 W. Mermod,	Carlsbad, NM 882	220		
			Location of	of Release Se	ource	
atitude32	.277406°			Longitude	-103.945129°	
			(NA B 83 in decid	mal degrees to 5 decir	mal places)	
Site Name R	emuda 25 (Observation Well #	001	Site Type	Observation Well	
Date Release i	Discovered	2/28/2019		API# (if app	olicable) 30-015-45751	
Unit Letter	Section	Township	Range	Cour	nty	
E	25	238	29E	Edd	(v	
	Materia	le) Raloused (Select all	Nature and		Release	
X Crude Oil		Volume Released		alculations of specific	Volume Recovered (bbls) 199	
X Produced	Water	Volume Released	l (bbls) 2746		Volume Recovered (bbls) 596	
			on of total dissolve vater >10,000 mg/l		☐ Yes ☐ No	
Condensat	Condensate Volume Released (bbis)			Volume Recovered (bbls)		
Natural G	Natural Gas Volume Released (Mcf)		Volume Recovered (Mcf)			
	cribe)	Volume/Weight	Released (provide	units)	Volume/Weight Recovered (provide units)	
ther (des		1			I .	

Form C-141 Page 2

State of New Mexico Oil Conservation Division

Incident ID	NAB1907955404	
District RP	2RP-5309	
Facility ID		
Application ID	DAB1907954910	= 6

Was this a major	If YES, for what reason(s) does the response	onsible party consider this a major release?
release as defined by	An unauthorized release of a volume of 2	5 barrels or more
19.15.29.7(A) NMAC?		
X Yes ☐ No		
3.00		
TCACEC		1 0 300 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		whom? When and by what means (phone, email, etc)?
on 3/1/2019 by email	Ruth to Mike Bratcher, Rob Hamlet, and J	im Griswold (NMOCD), Ryan Mann (SLO), and Jim Amos (BLM)
011 3/1/2019 by Cilian		
	Initial R	Response
The responsible	party must undertake the following actions immediate	ely unless they could create a safety hazard that would result in injury
The source of the rele	anna hac been stannad	
		14
	is been secured to protect human health and	
Released materials ha	we been contained via the use of berms or	dikes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed a	nd managed appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain	why:
N/A		•
		remediation immediately after discovery of a release. If remediation
		efforts have been successfully completed or if the release occurred please attach all information needed for closure evaluation.
		best of my knowledge and understand that pursuant to OCD rules and tifications and perform corrective actions for releases which may endanger
		OCD does not relieve the operator of liability should their operations have
		cat to groundwater, surface water, human health or the environment. In
and/or regulations.	Ta C-141 report does not refleve the operator of	f responsibility for compliance with any other foderal, state, or local laws
K-1-1'm	ell .	Title: SH&E Supervisor
Printed Name: Kyle Littr		
Signature:	Ficuit	Date:
email: Kylo Littrell@xto	energy.com	Telephone: 432-221-7331
cinaii.		i elepholic.
OCD Only	1	
OCD Only	6 +	
Received by:	water stamuete	Date:3/20/2019
27"		

Incident ID	NAB1907955404
District RP	2RP-5309
Facility ID	
Application ID	pAB1907954910

Page 8 of 24

Site Assessment/Characterization

This information must be provided to the appropriate district office no taler than 20 days after the release discovery date.								
What is the shallowest depth to groundwater beneath the area affected by the release?	<u>50-100</u> (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							
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Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No							
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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 well	s.							

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.

Received by OCD: 2/26/2021 5:16:51 PM Form C-141 State of New Mexico Page 4 Oil Conservation Division
 Page 9 of 24

 Incident ID
 NAB1907955404

 District RP
 2PB 5200

District RP 2RP-5309
Facility ID
Application ID pAB1907954910

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:10/28/2019							
email: Kyle_Littrell@xtoenergy.com	Telephone:(432)-221-7331							
OCD Only Received by: Robert Hamlet	Date: 11/13/2019							

Page 10 of 24

Incident ID	NAB1907955404
District RP	2RP-5309
Facility ID	
Application ID	pAB1907954910

Remediation Plan

Remediation Plan Checklist: Each of the following items must b	e included in the plan.								
Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)									
Deferral Requests Only: Each of the following items must be con	nfirmed as part of any request for deferral of remediation.								
Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.									
Contamination does not cause an imminent risk to human health	n, the environment, or groundwater.								
rules and regulations all operators are required to report and/or file which may endanger public health or the environment. The accepta liability should their operations have failed to adequately investigat surface water, human health or the environment. In addition, OCD responsibility for compliance with any other federal, state, or local	e and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of								
Printed Name: Kyle Littrell	SH&E Supervisor Title:								
Signature: Kyle_Littrell@xtoenergy.com	Date: _2/26/2021								
email:	Telephone: (432)-221-7331								
OCD Only									
Received by:	Date:								
Approved	Approval								
Signature:	Date:								



WSP USA

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

February 26, 2021

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

RE: Deferral Request Addendum
Remuda 25 Observation Well #001
Remediation Permit Number 2RP-5309
Incident Number NAB1907955404
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 an original Deferral Request submitted October 29, 2019. This Addendum provides an update to the depth to groundwater determination activities at the Remuda 25 Observation Well #001 (Site), located in Unit E, Section 25, Township 23 South, Range 29 East, in Eddy County, New Mexico (Figure 1), in response to the denial by the New Mexico Oil Conservation Division (NMOCD) of an original Deferral Request. In the denial, NMOCD expressed concern that the depth to groundwater assessment may not be sufficient. Based on the additional depth to groundwater determination activities described below, XTO is submitting this Deferral Request Addendum, requesting deferral of final remediation for Remediation Permit Number (RP) 2RP-5309 and Incident Number NAB1907955404.

BACKGROUND

On February 28, 2019, on-site drilling crews encountered a subsurface pressure kick during the installation of an observation well. Approximately 915 barrels (bbls) of crude oil and 2,746 bbls of produced water were released onto the caliche well pad, north-trending pipeline right-of-way (ROW), and adjoining pasture area. Vacuum trucks were dispatched to the Site to recover free-standing fluids; approximately 199 bbls of crude oil and 596 bbls of produced water were recovered. XTO reported the release to NMOCD on a Release Notification and Corrective Action Form C-141 (Form C-141) on March 13, 2019. The release was assigned RP Number 2RP-5309 and Incident Number NAB1907955404.

XTO excavated impacted soil and submitted a Deferral Request on October 29, 2019 requesting to leave impacted material near active production equipment in place until final plugging and abandonment. On April 2, 2020, NMOCD denied the Deferral Request for Incident Number NAB1907955404 with the following response:



District II Page 2

- United States Geological Survey (USGS) well 321717103561001 is over ½ mile away from the site, and the most recent data from this well is from 2003 and indicates the groundwater level was at 50.24' below ground surface. This data would indicate the measured groundwater level was at less than the minimum required depth to use Table I Closure Criteria for groundwater at a depth of 51' to 100'. If evidence of ground water at a depth of ≥ 51' in a nearer location to the site cannot be provided, impacted soils will need to meet Table 1 Closure Criteria for groundwater at a depth of 50 feet or less.
- Given XTO meets the condition above and provides XTO's safety policy for working near pipelines and active wells, the deferral request will be approved.

ADDITIONAL SITE ACTIVITIES

In an effort to confirm the depth to groundwater determination, WSP installed a soil boring (BH01) within 0.5 miles of the Site utilizing a truck-mounted hollow-stem auger rig, and truck-mounted sonic rig. The location of the borehole is approximately 2,091 feet (0.4 miles) southeast of the Site and is depicted on Figure 1. Soil boring BH01 was drilled to a depth of 105 feet bgs. A WSP geologist logged and described soils continuously. No moisture or groundwater was encountered during drilling activities. The borehole lithologic/soil sampling log is included in Attachment 1. The borehole was left open for over 72 hours to allow for potential slow infill of groundwater. After the 72-hour waiting period, no groundwater was observed confirming groundwater at the Site is greater than 100 feet bgs. The borehole was properly abandoned with drill cuttings and hydrated bentonite chips.

Based on the site characterization and confirmed depth to water greater than 105 feet bgs, the following 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.

DEFERRAL REQUEST

Through the advancement of BH01, WSP determined depth to groundwater at the Site is greater than 105 feet bgs. Groundwater was not encountered, and no groundwater filled in during a 72-hour period. Approximately 17,300 cubic yards of impacted soil were excavated from the Site; however, residual TPH-impacted soil was left in place for compliance with XTO's



District II Page 3

safety policy regarding earth moving activities within two feet of active pipelines or within ten feet of an active wellhead. Hydrovacuum removal has already occurred near the pipeline. XTO restricts mechanical soil removal in these conditions as part of their regular safety program to mitigate risk to human workers as well as the environment. The section of XTO's safety policy regarding excavation in the presence of active pipelines is included as Attachment 2.

XTO has addressed the reasons for denial provided by the NMOCD and again respectfully requests deferral of final remediation for Incident Number NAB1907955404 until any future major construction/ alteration or final abandonment of the pipeline ROW and well pad, whichever occurs first. If you have any questions or comments, please do not hesitate to contact Ms. Ashley Ager at (970) 385-1096.

Sincerely, WSP USA, INC.

Elizabeth Naka

Assistant Consultant, Environmental Scientist

Ashley L. Ager, P.G.

ashley L. ager

Managing Director, Geologist

cc: Kyle Littrell, XTO

Elizabeth Naha

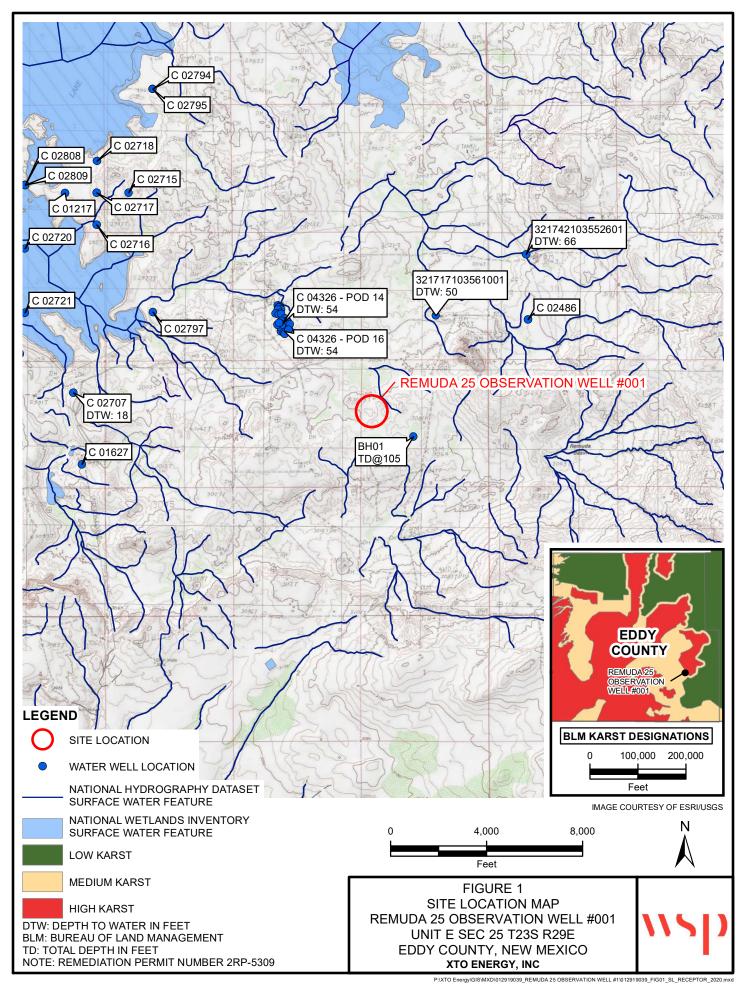
Bureau of Land Management

Attachments:

Figure 1 Site Location Map

Attachment 1 Lithologic / Soil Sample Log

Attachment 2 XTO Safety Policy



Lithology remarks only. No field screenings: Day hole By a good of the control o	LITHOLOGIC / SOIL SAMPLING LOG Lat/Long: Comments:									BH or PH Name: BH01 Site Name: RP or Incident Numbe LTE Job Number: Logged By BB, LAD, FS Hole Diameter: 6.25", 4.25"	Remuda Nort	220, 12/02/20, 01/05/2021 th 25 Observation Well 919039 Hollow Stem Auger, sonic
D N 1 SP-SC 0-1': SAND, dry, brown, poorly graded, fine grain, Clay (10% clay), some roots, no stain, no odor 1-4': SAND, dry, reddish-light brown, poorly graded, very fine - fine grain, some rounded caliche pebbles, no stain, no odor 4 -9': CALICHE, dry, light brown-tan, poorly consolidated, subrounded caliche pebbles and gravel, very silty, gradational 9 -14': Abundent sub-round caliche gravel 14-19': Some sub-angular caliche gravel and pebbles 19 -24': Abundant sub-angular caliche gravel and pebbles, moderately consolidated 11 12 12 13 13 14 15 16 16 17 18 19 20 21 21 22 23						Sample Depth	Deptin	JSCS/Rock Symbol		Litho	logy/Remarks	5
							2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	SP-SC	0-1': SA some ro 1-4': SA grain, so 4-9': CA rounded 9-14': A 14-19': 3	ND, dry, reddish-light me rounded caliche publiche pebbles and bundent sub-round caliche pebbles and	brown, poorly bebbles, no si wn-tan, poorly gravel, very s aliche gravel liche gravel a	y graded, very fine - fine tain, no odor consolidated, sub- ilty, gradational

					Wo	DUCA			BH or PH Name:		Date:
						P USA			BH01		1/18/2020, 12/02/20, 01/05/2021
	V				08 West				Site Name:	Remuda	a North 25 Observation Well
				Car	Isbad, Ne	w Mexico	88220		RP or Incident Numbe		
									LTE Job Number:		E012919039
1 -40	LITHOLOGIC / SOIL SAMPLING LOG								Logged By BB, LAD, FS		Method: Hollow Stem Auger, sonic
Lat/Lo					Field Scre	ening:			Hole Diameter: 6.25", 4.25"		otal Depth: 05'
Comm		s only. No	field s	creenings: D	ry hole	Γ	Г	1			
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol		Litho	ology/Re	marks
D			N			26	CL				
D D			Z			26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 45		consolid no odor, 34-39': features At 39': E 39-42': consolid odor, lig 42-45': (>1mm) At 48': \$	ated, cohesive, trace sharp transition Sub-angular calcium (1-3mm), tan-light br Begin air rotory (4.25" DOLOMETIC LIMES ated, with dissolution ht to moderate reactions of the some light gray dolor stop due to air rotory Advance borehole wille, white, well consideration	carbonarown TONE, to read the mite with refusal (trace dissolution features
					-	47				_	2-6
					_	48		1			Refusal on 11/18/20 Restart borehole on 12/02/20
					-	49				ľ	COCCIT DOTOTION OIT 12/02/20
					-	50					

\	11')		WS 508 West S Isbad, Ne				BH or PH Name: BH01 Site Name: Rem RP or Incident Number:	Date: 11/18/2020. 12/02/2020, 1/5/2021 auda North 25 Observation Well
									LTE Job Number: TE01291	19039
LITHOLOGIC / SOIL SAMPLIN							G		Logged By BB, LAD, FS	Method: Hollow Stem Auger, sonic
Lat/Lo	ng:				Field Scre	ening:			Hole Diameter: 6.25", 4.25"	Total Depth: 105'
Comn					1				J. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	100
Lithold	ogic log on	y, no field	1 screei	nings	1	l				
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol		Litholo	ogy/Remarks
						51	DOL	48-56' :	Advanced borehole wi	ith new air rotary bit (12/02/20),
					-	52				lidated, dark gray- banding, no stain
					-	53				
					-	54				
					-	55				
					-	56		At 56' : I	Restarted borehole on	1/5/2021 with sonic rig
					_	57				gray-gray, well consolidated, some m), some dissolution features
					-	58			vith fine calcite crystall ssolution features, no	ine, trace orange oxidation staining stain, no odor
					-	59				e crystalline dolomitic limestone
					-	60			Àbundant calcite cryst	alline veins (<1mm), pale green-
					-	61		gray, po	orly consolidated	
					-	62				eddish brown, poorly consolidated, dant coarse crystalline gypsum, few
					-	63 64		pale gre	en-gray mottling, no st	
					-	65				crystalline, 20% anhydrite, no stain,
D			Ν		-	66	CH-S	no odor		
					-	67				
					-	68				
					-	69				
D			N		-	70	GYP			
					-	71				
					-	72				
					-	73				
					-	74				
					-	75				

	ments:			Car GIC / SOIL	508 West S rlsbad, Ne	ew Mexico		BH or PH Name: BH01 Site Name: Rer RP or Incident Number: LTE Job Number: TE0129 Logged By BB, LAD, FS Hole Diameter: 6.25", 4.25"	Date: 11/18/2020. 12/02/2020, 1/5/2021 muda North 25 Observation Well 919039 Method: Hollow Stem Auger, sonic Total Depth: 105'	
	logic log on	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	(ft bas)		yellow, v no odor 81-98': consolid gypsum 85-86.5' gypsum/ 90-98': At 97': c 98-99.5' consolid 99.5-108	GYPSUM with Anhyd vell consolidated, finr MUDSTONE, moist, of ated, high plasticity, of inclusions, no stain, recomplete it greenish-gray well of anhydrite stringer Some fine grain brow dark gray-gray gyspures: GYPSUM, dark gray ated, fine-coarse crystolic coarse crystolic consolidation.	logy/Remarks rite, dry, greenish gray, some pale crystalline, 20% anhydrite, no stain, dark reddish brown, moderately cohesive, trace coarse crystalline no odor consolidated coarse crystalline
D D			Z Z			90 91 92 93 94 95 96 97 98 99	GYP ML-S			

									BH or PH Name:	Date:	
7	TI		7		WS	SP USA			BH01	11/18/2020. 12/02/2020, 1/5	/2021
1				5	508 West S	Stevens S	Street		Site Name: Rer	nuda North 25 Observation Well	
				Car	Isbad, Ne	w Mexico	88220		RP or Incident Number:		
									LTE Job Number: TE012919039		
		LITH	OLOG	SIC / SOIL	SAMPL	ING LO		Logged By BB, LAD, FS	Method: Hollow Stem Auger	, sonic	
Lat/Lo	ong:				Field Scre	eening:			Hole Diameter: 6.25", 4.25"	Total Depth: 105'	
Comm Litholo	nents: ogic log on	ly, no field	d scree	nings							
							×				
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol		Lithol	ogy/Remarks	
						101	ML-S	99.5-10	5' : Sandy SILTSTON	Ξ, moist, brown, some gray-α	dark
						102				% very fine grain sand, no sta	
					-	103				ed black/gray well consolida	ted
					-	104		snale sti	ringer (4cm thick)		
			N		-	105		TD @ 1/	05! bgo (4/5/2021)		
D			N		-	106		טוו ש טוו	05' bgs (1/5/2021)		
					-	107					
					-	108					
					-	109					
					-	110					
					-	111					
					-	112					
					-	113					
					-	114					
					-	115					
					-	116					
					-	117					
					-	118					
					-	119					
					-	120					
					-	121					
					-	122					
					-	123					
					-	124					
					-	125					



XTO Foreign Line Crossing Guidelines:

- The XTO line shall be located approximately 50 feet on each side of the point of crossing to verify the direction of the pipeline. The method used to locate the existing pipeline (probing, pipe locator, hydrovac) shall be at the sole discretion of the XTO Representative.
- 2. When excavating parallel to and closer than 25 feet to an existing XTO pipeline, the pipeline shall be located at least every 200 feet through straight segments and at least every 50 feet in other areas. The method used to locate the existing pipeline (probing, pipe locator, hydrovac) shall be at the sole discretion of the XTO Representative.
- 3. Excavation by machine shall be limited to no closer than 2 feet in any direction to the pipeline.
- 4. The pipeline shall then be exposed and positively located by hand excavation.
- 5. After the pipeline is exposed, and only while a XTO Representative is on site, excavation by machine is permitted to within one foot in any direction of the pipeline. The remaining excavation must be hand dug. In the sole judgement of the XTO Representative, excavation by machine may be limited to distance greater than those described above due to soil conditions or other extenuating factors.
- 6. The ditch shall be finished to a depth necessary to maintain a minimum cover (including sags and overbends) as measured from top of pipe.
- 7. The minimum distance/clearance between XTO's pipeline and the subject crossing pipeline or casing is 24" or the same size of XTO's pipeline, whichever is greater.

The active gas pipelines running N-S will be spotted every 50 feet. Excavation within a 24" radius of the pipeline is prohibited.

XTO Representative fm 16 hrm						7/20/2019	
	Representative _	Moui	ssey	-	Date _	7/20/2019	
Location: Remuda 25 Observation Well #001							
Sec: 25	Twn: _	23\$	Rng: _	29E			

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

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 19182

CONDITIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	19182
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
ceads	Final remediation and reclamation shall take place in accordance with 19.15.29.12 and 19.15.29.13 NMAC once the site is no longer being used for oil and gas operations.	6/25/2021