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	nAPP2328644007
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible	Party XTO) Energy		OGRID 5	5380				
Contact Nam	ne Garrett G1	reen		Contact Te	elephone 575-20	0-0729			
Contact ema	il garrett.gre	en@exxonmobil.c	om	Incident #	Incident # (assigned by OCD)				
			reet, Carlsbad, Nev	w Mexico, 88220					
			Location	of Release So	ource				
Latitude 32.	10662			Longitude	-103.79189				
			(NAD 83 in dec	imal degrees to 5 decim	nal places)				
Site Name	PLU 29-20 F	Big Sinks 108H		Site Type I	Production Well				
Date Release				API# (if app					
Unit Letter	Section	Township	Range	Coun	ty				
A	29	25S	31E	Eddy	у				
	Materia	ıl(s) Released (Select al	ll that apply and attach	Volume of I	justification for the	volumes provided below)			
Crude Oi		Volume Release	· / +.++		Volume Reco	1.01.1			
× Produced	Water	Volume Release	17.00		Volume Reco	2.40			
			tion of total dissolve water >10,000 mg/	, ,	Yes N	0			
Condensa	ite	Volume Release			Volume Reco	vered (bbls)			
☐ Natural C	ias	Volume Release	d (Mcf)		Volume Reco	vered (Mcf)			
Other (describe) Volume/Weight Released (provide un				units)	Volume/Weight Recovered (provide units)				
Cause of Rel	ease Corrosi contrac	ion on a 6" CS hea ttor has been retain	der inlet line cause led for remediation	ed fluids to release activities.	to ground. All t	free fluids were recovered. A third-party			

Received by OCD: 1	1/5/2024 3:03:23 PM
Form C-141	State of New Mexico
Page 2	Oil Conservation Division

	Page 2 of 50
Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major	If YES, for what reason(s) does the respon	sible party consider this a major release?
release as defined by 19.15.29.7(A) NMAC?	N/A	
☐ Yes 🗷 No		
If YES, was immediate no N/A	otice given to the OCD? By whom? To wh	om? When and by what means (phone, email, etc)?
	Initial Ro	esponse
The responsible p	party must undertake the following actions immediatel	vunless they could create a safety hazard that would result in injury
The source of the rele	ease has been stopped.	
▼ The impacted area ha	s been secured to protect human health and	the environment.
▼ Released materials has	we been contained via the use of berms or d	ikes, absorbent pads, or other containment devices.
➤ All free liquids and re	ecoverable materials have been removed and	d managed appropriately.
	d above have <u>not</u> been undertaken, explain v	why:
NA		
has begun, please attach	a narrative of actions to date. If remedial	emediation immediately after discovery of a release. If remediation efforts have been successfully completed or if the release occurred lease attach all information needed for closure evaluation.
regulations all operators are public health or the environr failed to adequately investig	required to report and/or file certain release notinent. The acceptance of a C-141 report by the Cate and remediate contamination that pose a thre	best of my knowledge and understand that pursuant to OCD rules and fications and perform corrective actions for releases which may endanger CD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws
Printed Name: Garrett Gr	reen	Title: Environmental Coordinator
Signature:	teen A Suur	
email: garrett.green@exx	sonmobil.com	Telephone: 575-200-0729
OCD Only		
Received by:		Date:

Location:	PLU 29-20 Big Sinks 108H	
Spill Date:	10/9/2023	
	Area 1	
Approximate A	rea = 17288.81	sq. ft.
Average Satura	tion (or depth) of spill = 2.50	inches
Average Porosi	ty Factor = 0.03	
	VOLUME OF LEAK	
Total Crude Oil	= 4.44	bbls
Total Produced	Water = 17.80	bbls
	TOTAL VOLUME OF LEAK	
Total Crude Oi	4.44	bbls
Total Produced	Water = 17.80	bbls
	TOTAL VOLUME RECOVERED	
Total Crude Oi	0.60	bbls
Total Produced	Water = 2.40	bbls



January 3, 2023

New Mexico Oil Conservation Division

New Mexico Energy, Minerals, and Natural Resources Department 1220 South St. Francis Drive Santa Fe. New Mexico 87505

Re: Closure Request

PLU 29-20 Big Sinks 108H

Incident Number NAPP2328644007

Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of XTO Energy, Inc. (XTO), has prepared this *Closure Request* to document site assessment, excavation, and soil sampling activities performed at the PLU 29-20 Big Sinks 108H (Site). The purpose of the site assessment, excavation, and soil sampling activities was to address impacts to soil following a release of crude oil and produced water at the Site. Based on excavation activities and soil sample laboratory analytical results, XTO is submitting this *Closure Request*, describing remediation that has occurred and requesting no further action for Incident Number NAPP2328644007.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit A, Section 29, Township 25 South, Range 31 East, in Eddy County, New Mexico (32.10662°, -103.79189°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On October 9, 2023, corrosion on a 6-inch header inlet line resulted in the release of approximately 4.44 barrels (bbls) of crude oil and 17.80 bbls of produced water onto the surface of the well pad. A vacuum truck was immediately dispatched to recover free-standing fluids; approximately 3 bbls of released fluids were recovered. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification Form C-141 (Form C-141) on October 13, 2023. The release was assigned Incident Number NAPP2328644007.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on page 5 of the Form C-141, Site Assessment/Characterization.

Depth to groundwater at the Site is greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is the New Mexico Office of the State Engineer (NMOSE) well C-4500, located approximately 0.5 miles southeast of the Site. The groundwater well has a reported total depth of 110 feet bgs drilled via hollow stem auger. The borehole was drilled in March 2021 and no groundwater was encountered. The Well

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 3122 National Park Highway | Carlsbad, NM 88220 | ensolum.com

XTO Energy, Inc Closure Request PLU 29-20 Big Sinks 108H

Record and Log is included in Appendix A. All wells used to determine depth to groundwater are depicted on Figure 1.

The closest continuously flowing or significant watercourse to the Site is an intermittent dry wash, located approximately 5,411 feet south of the Site. The Site is greater than 200 feet from any lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, instituation, church, or wetland. The Site is greater than 1,000 feet from any freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (medium potential karst designation area). Potential site receptors are identified on Figure 1.

Based on the results of the Site Characterization, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

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

SITE ASSESSMENT ACTIVITIES

On October 18, 2023, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. Four soil samples (SS01 through SS04) were collected within the observed soil stained area at a depth of 0.5 feet bgs, defined as the release extent. In addition, four delineation soil samples (SS05 through SS08) were collected around the release extent at a depth of 0.5 feet bgs, to assess the lateral extent of the release. The delineation soil samples were field screened for volatile aromatic hydrocarbons (VOCs) utilizing a calibrated photoionization detector (PID) chloride using Hach® chloride QuanTab® test strips. The release extent and delineation soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation is included in Appendix B.

The 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 transported under strict chain-of-custody procedures to Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico, for analysis of the following constituents of concern (COC): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0. Soil samples delivered to the laboratory the same day they are collected may not have equilibrated to the 6 degrees Celcius required for shippment and long term storage, but are considered to have been received in acceptable condition by the laboratory.

Laboratory analytical results for delineation soil samples SS01 through SS04 indicated TPH concentrations exceeded the applicable Site Closure Criteria. Laboratory analytical results for delineation soil samples SS05 through SS08 indicated all COC concentrations were compliant with the applicable Site Closure Criteria. Based on visible staining within the release area and laboratory



XTO Energy, Inc Closure Request PLU 29-20 Big Sinks 108H

analytical results for SS01 through SS04, delineation and excavation activities appeared to be warranted.

DELINEATION SOIL SAMPLING ACTIVITIES

Between November 7, and December 12, 2023, Ensolum returned to the Site to oversee delineation and excavation activities. Four potholes (PH01 through PH04) were advanced in the vicinity of delineation soil samples SS01 through SS04 by use of heavy equipment to assess the vertical extent of the release. Six potholes (PH05 through PH10) were advanced within and around the release extent. Discrete soil samples were collected from each pothole from depths ranging from 0.5 feet bgs to 6 feet bgs and field screened for VOCs and chloride. Field screening results and observations for the potholes were logged on lithologic/soil sampling logs, which are included in Appendix C.

Delineation soil samples were collected at depths ranging from 0.5 feet bgs to 6 feet bgs. The soil samples were collected, handled, and analyzed following the same procedures as described above. The pothole soil sample locations are depicted on Figure 2. Laboratory analytical results for delineation soil samples (PH01 through PH10) indicated all COC concentrations were compliant with the Site Closure Criteria and vertically delineated to the most stringent Table I Closure Criteria.

EXCAVATION SOIL SAMPLING ACTIVITIES

Between November 8, and December 22, 2023 impacted soil was excavated from the release area as indicated by delineation soil sample laboratory analytical results and field screenings to remove impacted and waste-containing soil. Excavation activities were performed utilizing a trackhoe and transport vehicles. The excavation occurred on the well pad. To direct excavation activities, soil was screened for VOCs and chloride.

Following removal of the impacted soil, 5-point composite soil samples were collected every 200 square feet from the floor and sidewalls of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Confirmation soil samples FS01 through FS85 were collected from the floor of the excavation from depths ranging from 1-foot to 2 feet bgs. Confirmation soil samples SW01 and SW06 were collected from the sidewalls of the excavation at depths ranging from the ground surface to a maximum of 2 feet bgs. The excavation confirmation soil samples were handled and analyzed following the same procedures as described above. The excavation extent and excavation confirmation soil sample locations are presented on Figure 3. Photographic documentation of the excavation is included in Appendix B.

Additional excavation was conducted in the areas represented by FS03, FS04, FS06, FS08, FS20, FS21, FS24, FS25, FS33, FS34, FS36 through FS39, FS41, FS44, FS46, FS51, FS52, FS54, FS56 through FS81, and FS83 and sidewall soil sample SW05. New 5-point composite confirmation soil samples, designated with an "A" (e.g. FS03A) were collected in the respective areas. Laboratory analytical results for all final confirmation soil samples indicated all COC concentrations are compliant with the strictest Table I Closure Criteria. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included in Appendix D.

The final excavation extent measured approximately 17,000 square feet. A total of approximately 1,260 cubic yards of impacted and waste-containing soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at R360 Landfill Disposal Facility in Hobbs, New Mexico. All waste-containing soil, exceeding the reclamation requirement, which was accessible has been removed. An estimated 130 cubic yards of waste-containing soil remains on pad, immediately



XTO Energy, Inc Closure Request PLU 29-20 Big Sinks 108H

adjacent to or beneath active production equipment in the vicinity of PH05. The remaining soil is delineated to the strictest Table I Closure Criteria by PH05A, and PH06 through PH07 and will be reclaimed during pad abandonment or any major facility reconstruction.

CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the October 9, 2023, release of crude oil and produced water. Laboratory analytical results for excavation soil samples collected from the final excavation extent indicated all COC concentrations were compliant with the most stringent Table I Closure Criteria. Based on laboratory analytical results, no further remediation is required. XTO will backfill the excavation with material purchased locally and recontour the Site to match pre-existing site conditions. Areas pending reclamation will be completed during pad abandonment or major facility reconstruction.

Excavation of soil has mitigated impacts at this Site. Depth to groundwater is confirmed to be greater than 100 feet bgs and no other sensitive receptors were identified near the release extent. XTO believes these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests closure for Incident Number NAPP2328644007.

If you have any questions or comments, please contact Ms. Tacoma Morrissey at (337) 257-8307 or tmorrissey@ensolum.com.

Sincerely, **Ensolum, LLC**

Tacoma Morrissey, M.S.

Senior Geologist

Mouissey

Ashley L. Ager, M.S., P.G.

Ashley L. Ager

Principal

cc: Garrett Green, XTO

Tommee Lambert, XTO Bureau of Land Management

Appendices:

Figure 1 Site Receptor Map

Figure 2 Delineation Soil Sample Locations
Figure 3 Excavation Soil Sample Locations
Table 1 Soil Sample Analytical Results
Appendix A Referenced Well Records

Appendix B Photographic Log

Appendix C Lithologic / Soil Sampling Logs

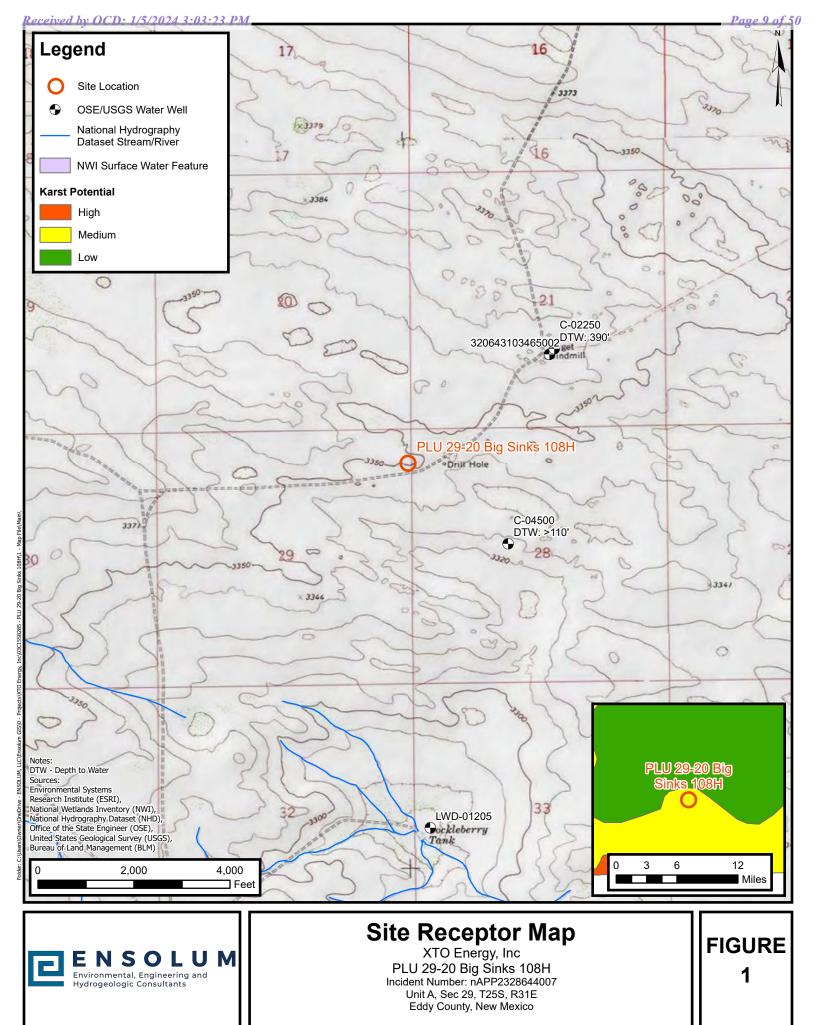
Appendix D Laboratory Analytical Reports & Chain-of-Custody Documentation

Appendix E NMOCD Notifications

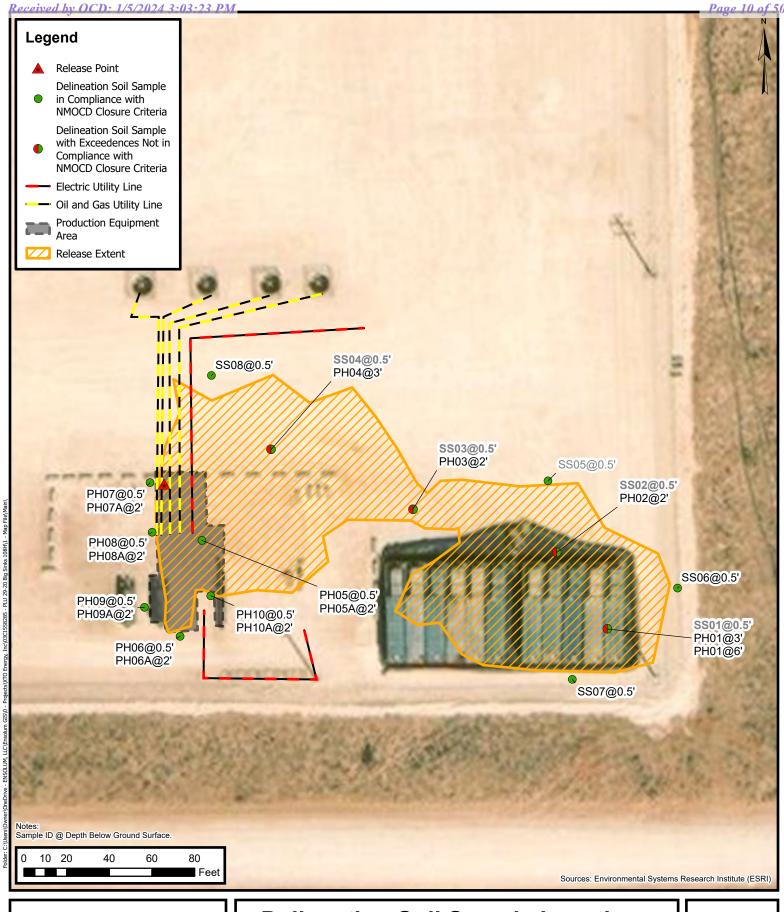




FIGURES



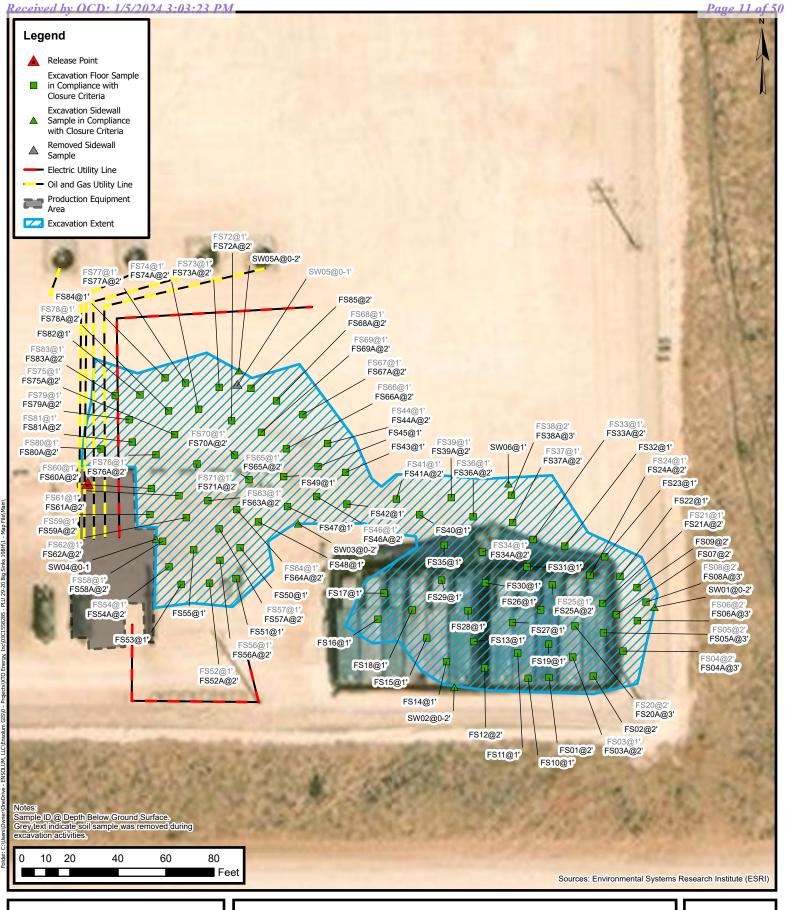
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Delineation Soil Sample Locations

XTO Energy, Inc PLU 29-20 Big Sinks 108H Incident Number: nAPP2328644007 Unit A, Sec 29, T25S, R31E Eddy County, New Mexico FIGURE 2





Excavation Soil Sample Locations

XTO Energy, Inc PLU 29-20 Big Sinks 108H Incident Number: nAPP2328644007 Unit A, Sec 29, T25S, R31E Eddy County, New Mexico FIGURE



TABLES



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS PLU 29-20 Big Sinks 108H XTO Energy, Inc Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I C	losure Criteria (l	NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
				Delir	neation Soil Sa	mples				
SS01	10/18/2023	0.5	<0.100	11.8	424	15,400	<250	15,800	15,800	265
PH01	11/7/2023	3	<0.00199	<0.00398	<50.0	631	<50.0	631	631	308
PH01A	11/7/2023	6	< 0.00200	<0.00399	<50.1	<50.1	<50.1	<50.1	<50.1	22.2
SS02	10/18/2023	0.5	<0.0996	62.5	1,680	9,420	<249	11,100	11,100	892
PH02	11/7/2023	2	< 0.00200	<0.00401	<50.2	<50.2	<50.2	<50.2	<50.2	10.2
SS03	10/18/2023	0.5	<0.0990	12.5	1,520	30,500	<252	32,000	32,000	5 ,190
PH03	11/7/2023	2	<0.00201	<0.00402	<50.4	<50.4	<50.4	<50.4	<50.4	13.8
SS04	10/18/2023	0.5	<0.101	48.1	1,180	20,300	<248	21,500	21,500	8 ,570
PH04	11/7/2023	3	< 0.00199	<0.00398	<49.5	<49.5	<49.5	<49.5	<49.5	27.0
SS05	10/18/2023	0.5	<0.00199	<0.00398	<49.7	253	<49.7	253	253	108
SS06	10/18/2023	0.5	<0.00199	<0.00398	<50.2	<50.2	<50.2	<50.2	<50.2	52.6
SS07	10/18/2023	0.5	<0.00199	<0.00398	<49.6	55.2	<49.6	55.2	55.2	46.4
SS08	10/18/2023	0.5	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	<49.7	49.4
PH05	11/7/2023	0.5	0.00198	<0.00396	<49.8	106	<49.8	106	106	1,720
PH05A	11/7/2023	2	< 0.00199	<0.00398	<50.4	<50.4	<50.4	<50.4	<50.4	55.7
PH06	11/10/2023	0.5	<0.00198	<0.00396	<50.5	51.0	<50.5	51.0	51.0	116
PH06A	11/10/2023	2	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	67.4
PH07	11/10/2023	0.5	<0.00202	< 0.00403	<49.9	75.3	<49.9	75.3	75.3	154
PH07A	11/10/2023	2	<0.00200	<0.00399	<50.3	60.1	<50.3	60.1	60.1	90.2
PH08	12/12/2023	0.5	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	248
PH08A	12/12/2023	2	< 0.00200	<0.00400	<50.4	<50.4	<50.4	<50.4	<50.4	63.4
PH09	12/12/2023	0.5	<0.00200	<0.00401	<50.5	<50.5	<50.5	<50.5	<50.5	258
PH09A	12/12/2023	2	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	19.7
PH10	12/12/2023	0.5	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	112
PH10A	12/12/2023	2	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	<49.8	34.5
				Confi	rmation Soil Sa	amples				
FS01	11/8/2023	2	<0.00200	<0.00401	<50.3	<50.3	<50.3	<50.3	<50.3	52.8
FS02	11/8/2023	2	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	176
FS03	11/8/2023	2	<0.00198	<0.00396	<49.6	668	<49.6	668	668	94.3
FS03A	12/12/2023	3	<0.00200	<0.00399	<50.3	<50.3	<50.3	<50.3	<50.3	277
FS04	11/8/2023	2	<0.00199	<0.00398	<49.6	258	<49.6	258	258	67.7
FS04A	12/12/2023	3	< 0.00202	< 0.00403	<50.5	<50.5	<50.5	<50.5	<50.5	149

Ensolum 1 of 6



TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS PLU 29-20 Big Sinks 108H XTO Energy, Inc Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I C	losure Criteria (l		10	50	NE	NE	NE	1,000	2,500	20,000
FS05	11/8/2023	2	<0.00200	0.0666	<50.5	240	<50.5	240	240	156
FS05A	12/12/2023	3	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	102
FS06	11/8/2023	2	<0.00202	<0.00403	<50.5	1,140	<50.5	1,140	1,140	167
FS06A	12/12/2023	3	< 0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	35.2
FS07	11/8/2023	2	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	<49.7	582
FS08	11/8/2023	2	<0.00200	<0.00401	<49.7	511	<49.7	511	511	187
FS08A	12/12/2023	3	< 0.00198	<0.00396	<49.8	<49.8	<49.8	<49.8	<49.8	20.0
FS09	11/8/2023	2	<0.00199	<0.00398	<49.9	62.5	<49.9	62.5	62.5	43.1
FS10	11/8/2023	1	<0.00199	<0.00398	<50.3	<50.3	<50.3	<50.3	<50.3	113
FS11	11/8/2023	1	<0.00200	<0.00399	<50.1	55.8	<50.1	55.8	55.8	170
FS12	11/8/2023	1	<0.00200	<0.00399	<50.4	<50.4	<50.4	<50.4	<50.4	56.2
FS13	11/8/2023	1	<0.00200	<0.00401	<50.4	<50.4	<50.4	<50.4	<50.4	44.2
FS14	11/8/2023	1	<0.00199	<0.00398	<50.5	<50.5	<50.5	<50.5	<50.5	34.3
FS15	11/8/2023	1	<0.00200	<0.00401	<49.7	<49.7	<49.7	<49.7	<49.7	29.1
FS16	11/8/2023	1	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	31.2
FS17	11/8/2023	1	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	31.5
FS18	11/8/2023	1	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	41.0
FS19	11/8/2023	1	<0.00201	<0.00402	<50.3	59.3	<50.3	59.3	59.3	48.7
FS20	11/8/2023	4	<0.00201	0.0113	<50.1	911	<50.1	911	911	370
FS20A	12/12/2023	2	< 0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	31.9
FS21	11/8/2023	4	<0.00198	<0.00396	<19.9	115	<19.9	115	115	43.4
FS21A	12/12/2023	2	< 0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	153
FS22	11/8/2023	1	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	53.7
FS23	11/8/2023	1	<0.00200	<0.00399	<49.6	53.0	<49.6	53.0	53.0	85.8
FS24	11/8/2023	4	<0.00201	<0.00402	<49.7	279	<49.7	279	279	238
FS24A	12/12/2023	2	<0.00201	<0.00402	<50.5	<50.5	<50.5	<50.5	<50.5	56.4
FS25	11/8/2023	4	<0.00200	<0.00401	<50.3	158	<50.3	158	158	288
FS25A	12/12/2023	2	< 0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	125
FS26	11/8/2023	1	<0.00199	<0.00398	<50.2	<50.2	<50.2	<50.2	<50.2	82.0
FS27	11/8/2023	1	<0.00198	<0.00396	<50.5	<50.5	<50.5	<50.5	<50.5	48.9
FS28	11/8/2023	1	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	20.6
FS29	11/8/2023	1	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	49.2
FS30	11/8/2023	1	<0.00199	<0.00398	<49.6	<49.6	<49.6	<49.6	<49.6	219

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TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS PLU 29-20 Big Sinks 108H XTO Energy, Inc Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I C	losure Criteria (l	NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
FS31	11/8/2023	1	<0.00201	0.0273	<50.5	57.4	<50.5	57.4	57.4	78.9
FS32	11/8/2023	1	<0.00199	<0.00398	<50.3	87.2	<50.3	87.2	87.2	338
FS33	11/8/2023	1	<0.00198	<0.00396	<50.4	312	<50.4	312	312	160
FS33A	12/12/2023	2	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	50.9
FS34	11/8/2023	1	<0.00199	0.0136	<50.2	159	<50.2	159	159	245
FS34A	12/12/2023	2	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	54.6
FS35	11/8/2023	1	<0.00200	<0.00399	<50.5	67.1	<50.5	67.1	67.1	137
FS36	11/8/2023	4	<0.00200	0.0312	<49.8	1,080	<19.8	1,080	1,080	1,240
FS36A	12/12/2023	2	<0.00200	<0.00399	<50.3	<50.3	<50.3	<50.3	<50.3	198
FS37	11/8/2023	1	<0.00198	<0.00396	<49. 7	559	<49.7	559	559	255
FS37A	12/12/2023	2	<0.00201	<0.00402	<50.4	<50.4	<50.4	<50.4	<50.4	48.1
FS38	11/9/2023	1	<0.00199	<0.00398	<49.8	393	<49.8	393	393	307
FS38A	12/12/2023	2	<0.00202	<0.00404	<50.3	<50.3	<50.3	<50.3	<50.3	9.98
FS39	11/9/2023	1	<0.00200	0.00785	<49.7	571	<49.7	571	571	312
FS39A	12/12/2023	2	<0.00202	<0.00403	<50.2	<50.2	<50.2	<50.2	<50.2	7.55
FS40	11/9/2023	1	<0.00200	0.0533	<49.7	76.6	<49.7	76.6	76.6	71.6
FS41	11/9/2023	4	<0.00200	<0.00399	<49.6	178	<49.6	178	178	339
FS41A	12/12/2023	2	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	111
FS42	11/9/2023	1	0.0351	0.196	<50.3	62.2	<50.3	62.2	62.2	167
FS43	11/9/2023	1	<0.00199	0.0162	<50.1	83.4	<50.1	83.4	83.4	214
FS44	11/9/2023	1	<0.00198	0.0252	<50.5	518	<50.5	518	518	113
FS44A	12/12/2023	2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	563
FS45	11/9/2023	1	<0.00199	<0.00398	<49.8	56.7	<49.8	56.7	56.7	12.8
FS46	11/9/2023	1	<0.00200	<0.00399	<49.9	468	<49.9	468	468	153
FS46A	12/12/2023	2	<0.00200	<0.00401	<50.5	<50.5	<50.5	<50.5	<50.5	61.4
FS47	11/9/2023	1	<0.00200	<0.00401	<49.7	<49.7	<49.7	<49.7	<49.7	60.5
FS48	11/9/2023	1	<0.00199	<0.00398	<49.9	67.7	<49.9	67.7	67.7	143
FS49	11/9/2023	1	<0.00199	<0.00398	<50.3	<50.3	<50.3	<50.3	<50.3	216
FS50	11/9/2023	1	<0.00200	<0.00399	<50.5	<50.5	<50.5	<50.5	<50.5	47.5
FS51	11/9/2023	1	<0.00200	<0.00401	<50.2	65.8	<50.2	65.8	65.8	1,250
FS51A	12/22/2023	2	<0.00199	<0.00398	<50.5	<50.5	<50.5	<50.5	<50.5	58.5
FS52	11/9/2023	4	<0.00199	<0.00398	<50.4	151	<50.4	151	151	202
FS52A	12/12/2023	2	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	<49.7	187

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TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS PLU 29-20 Big Sinks 108H XTO Energy, Inc Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I C	losure Criteria (l	NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
FS53	11/9/2023	1	<0.00198	<0.00396	<49.6	79.6	<49.6	79.6	79.6	271
FS54	11/9/2023	4	<0.00200	0.148	<49.6	178	<49.6	178	178	531
FS54A	12/12/2023	2	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	289
FS55	11/9/2023	1	<0.00200	<0.00401	<50.3	<50.3	<50.3	<50.3	<50.3	419
FS56	11/9/2023	4	<0.00200	0.0102	<50.4	367	<50.4	367	367	1,540
FS56A	12/12/2023	2	< 0.00199	<0.00398	<50.2	<50.2	<50.2	<50.2	<50.2	39.1
FS57	11/9/2023	4	<0.00199	0.199	<50.5	1,030	<50.5	1,030	1,030	522
FS57A	12/12/2023	2	<0.00198	<0.00396	<50.5	<50.5	<50.5	<50.5	<50.5	104
FS58	11/9/2023	1	<0.00199	0.0313	<49.9	282	<19.9	282	282	838
FS58A	12/12/2023	2	< 0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	95.2
FS59	11/9/2023	1	<0.00200	<0.00399	<50.5	219	<50.5	219	219	2,830
FS59A	12/12/2023	2	<0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	70.7
FS60	11/9/2023	1	<0.00201	<0.00402	<50.2	282	<50.2	282	282	854
FS60A	12/12/2023	2	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	125
FS61	11/9/2023	1	<0.00201	0.0445	<50.2	555	<50.2	555	555	998
FS61A	12/12/2023	2	<0.00200	<0.00401	<50.4	<50.4	<50.4	<50.4	<50.4	173
FS62	11/9/2023	4	0.00508	0.0334	<49.6	208	<49.6	208	208	65.3
FS62A	12/12/2023	2	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	<50.1	134
FS63	11/9/2023	1	<0.00198	0.0548	<49.5	458	<49.5	458	458	279
FS63A	12/12/2023	2	<0.00198	<0.00396	<50.1	<50.1	<50.1	<50.1	<50.1	224
FS64	11/9/2023	4	<0.00199	0.0682	<49.6	1,410	53.4	1,410	1,463	257
FS64A	12/12/2023	2	<0.00199	<0.00398	<50.4	<50.4	<50.4	<50.4	<50.4	163
FS65	11/10/2023	1	<0.00202	0.112	<49.9	151	<49.9	151	151	478
FS65A	12/12/2023	2	<0.00200	<0.00399	<50.5	<50.5	<50.5	<50.5	<50.5	90.0
FS66	11/10/2023	4	<0.00200	0.0313	<50.3	156	<50.3	156	156	419
FS66A	12/12/2023	2	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	687
FS66B	12/22/2023	3	<0.00202	<0.00403	<49.8	<49.8	<49.8	<49.8	<49.8	37.4
FS67	11/10/2023	1	<0.00199	<0.00398	<50.1	339	<50.1	339	339	159
FS67A	12/12/2023	2	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	60.5
FS68	11/10/2023	1	<0.00201	0.121	<50.4	230	<50.4	230	230	181
FS68A	12/12/2023	2	<0.00198	<0.00396	<50.5	<50.5	<50.5	<50.5	<50.5	130
FS69	11/10/2023	4	<0.00201	0.0593	<50.5	694	<50.5	694	694	798
FS69A	12/12/2023	2	< 0.00199	<0.00398	<50.2	<50.2	<50.2	<50.2	<50.2	13.7

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TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS PLU 29-20 Big Sinks 108H XTO Energy, Inc Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I C	losure Criteria (I	NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
FS70	11/10/2023	1	<0.00198	0.336	<49.9	260	<49.9	260	260	3,200
FS70A	12/12/2023	2	< 0.00199	<0.00398	<50.2	<50.2	<50.2	<50.2	<50.2	18.2
FS71	11/10/2023	4	<0.00200	<0.00399	<49.9	95.4	<49.9	95.4	95.4	1,210
FS71A	12/12/2023	2	<0.00200	<0.00399	<50.2	<50.2	<50.2	<50.2	<50.2	5.71
FS72	11/10/2023	1	<0.00200	<0.00400	<49.6	119	<49.6	119	119	422
FS72A	12/12/2023	2	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	6.80
FS73	11/10/2023	4	<0.00202	0.0684	<50.0	883	<50.0	883	883	922
FS73A	12/12/2023	2	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	15.9
FS74	11/10/2023	1	<0.00199	<0.00398	<50.1	251	<50.1	251	251	765
FS74A	12/12/2023	2	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	6.92
FS75	11/10/2023	1	<0.00202	0.0291	<50.3	507	<50.3	507	507	313
FS75A	12/12/2023	2	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	<49.7	8.68
FS76	11/10/2023	4	<0.00199	0.00410	<50.2	410	<50.2	410	410	1,000
FS76A	12/12/2023	2	< 0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	93.7
FS77	11/10/2023	4	<0.00198	0.0191	<50.2	568	<50.2	568	568	431
FS77A	12/12/2023	2	< 0.00200	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	28.6
FS78	11/10/2023	1	<0.00202	0.0264	<50.5	230	<50.5	230	230	478
FS78A	12/12/2023	2	< 0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	22.2
FS79	11/10/2023	1	<0.00199	0.116	<49.8	124	<49.8	124	124	1,560
FS79A	12/12/2023	2	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	54.4
FS80	11/10/2023	1	<0.00200	<0.00401	<50.2	139	<50.2	139	139	1,130
FS80A	12/12/2023	2	<0.00201	<0.00402	<50.2	<50.2	<50.2	<50.2	<50.2	125
FS81	11/10/2023	1	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<19.9	862
FS81A	12/12/2023	2	<0.00200	0.00430	< 50.1	<50.1	<50.1	<50.1	<50.1	1,120
FS81B	12/22/2023	3	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	203
FS82	11/10/2023	1	<0.00201	<0.00402	<49.6	97.9	<49.6	97.9	97.9	333
FS83	11/10/2023	1	<0.00199	1.05	176	1,980	75.8	2,156	2,230	1,260
FS83A	12/12/2023	2	< 0.00199	<0.00398	<50.4	<50.4	<50.4	<50.4	<50.4	19.6
FS84	12/12/2023	2	<0.00201	<0.00402	<49.6	<49.6	<49.6	<49.6	<49.6	22.9
FS85	12/12/2023	2	<0.00199	<0.00398	<49.5	<49.5	<49.5	<49.5	<49.5	41.1
SW01	11/8/2023	0 - 2	<0.00199	<0.00398	<49.6	78.3	<49.6	78.3	78.3	78.6
SW02	11/8/2023	0 - 2	<0.00200	0.0130	<50.3	<50.3	<50.3	<50.3	<50.3	157
SW03	11/8/2023	0 - 2	<0.00200	0.0248	<50.5	<50.5	<50.5	<50.5	<50.5	39.7

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TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS PLU 29-20 Big Sinks 108H XTO Energy, Inc Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Cl	osure Criteria (I	NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
SW04	11/9/2023	0 - 1	<0.00200	<0.00399	<50.5	268	<50.5	<50.5	268	755
SW05	11/10/2023	0-1	<0.00198	<0.00396	<50.0	957	<50.0	957	957	550
SW05A	12/12/2023	0 - 2	<0.00199	<0.00398	<49.5	<49.5	<49.5	<49.5	<49.5	5.99
SW06	12/13/2023	0 - 2	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	<49.7	35.8

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria or reclamation

requirement where applicable.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMAC: New Mexico Administrative Code

Grey text indicates soil sample removed during excavation activities

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APPENDIX A

Referenced Well Records



ION	OSE POD NO POD1 (B		0.)	I	WELL TAG ID NO. 1/a			OSE FILE NO(S C-4500	S).					
OCAT	WELL OWN	•	•	•				PHONE (OPTIO	ONAL)					
WELL I	WELL OWN 6401 Holid							CITY Midland		STATE TX	79707	ZIP		
GENERAL AND WELL LOCATION	WELL LOCATIO		DE TITUDE	32 6 6.96 N				J	ACCURACY REQUIRED: ONE TENTH OF A SECOND					
ER	(FROM GE	rs) Lo	NGITUDE	103	47 6.75 W DATUM R				QUIRED: WGS 84					
1. GEN	DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHJIP, RANGE) WHERE AVAILABLE SE NW Sec. 28 T25S R31E													
	LICENSE NO		NAME OF LICENSED	DRILLER Ja			NAME OF WELL DRI Atkins Eng		OMPANY Associates, I	nc.				
	DRILLING S 03/24/		DRILLING ENDED 03/24/2021	DEPTH OF COMPLETED WELL (FT) temporary well material BORE HOLE DEP				DEPTH WATER FIRS	n/a					
z	COMPLETED WELL IS: ARTESIAN OF DRY HOLE SHALLOW (UNCONFINED)								STATIC WATER LEV	EL IN CO n/a		LL (FT)		
TIO	DRILLING F	LUID:	☐ AIR	MUD	ADDITIVE	S – SPECI	FY:							
2. DRILLING & CASING INFORMATION	DRILLING M	ŒTHOD:	ROTARY	HAMMER	CABLE TOOL OTHER - SPECIFY:				Hollow Stem Auger					
NFC	DEPTH	(feet bgl)	BORE HOLE	CASING M	ATERIAL AND	OR		ASING	CASING	CAST	NG WALL	SLOT		
NG I	FROM	то	DIAM	į .	GRADE			VECTION	INSIDE DIAM.		CKNESS	SIZE		
ASI			(inches)		ch casing string, a ctions of screen)	and	(add coupl	YPE ling diameter)	(inches)		nches)	(inches)		
& C	0	110	±6.5	В	oring- HSA				-					
ING														
ILLI														
DR.												<u> </u>		
7														
									OSE DIT M	at e na	MOST III. PERM	<u> </u>		
							<u></u>		<u> </u>	117 11 22	Popularia.	;		
,	DEPTH	(feet bgl)	BORE HOLE	1	TANNULAR SEA				AMOUNT		метно			
IYI	FROM	то	DIAM. (inches)	GRAV	EL PACK SIZE-F	RANGE	BY INTE	RVAL	(cubic feet)		PLACEN	MENT		
TEF														
MA														
LAR									 					
ANNULAR MATERIAL														
3. A.			+							+				
**1			1		···			·		\dashv				
EUB	OSE INTER	NAI IICE	·	,				W/D 2	0 WELL RECORD	e i og (Varsion 06/2	0/17)		
FILE		TANTORE	4500		POD NO.		7	TRN 1		534	Version 00/3	U/1/)		
	ATION F		765	215	28.14		T	WELL TAGE	<i>Q</i> 021.		PAGE	1 OF 2		

	DEPTH (1	reet bgl)	THICKNESS (feet)	INCLUDE WATE	D TYPE OF MATERIAL E R-BEARING CAVITIES O plemental sheets to fully d	R FRAC	TURE ZONES	BEA	TER RING? (/NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	0	1	1	Calio	che, no odor, no stain, tan, li	Y	√ N			
	1	3	2	Sand, no odor, no stai	in, m-f, well sorted, brown,	n Y	√N			
	3	7	4		o stain, m-f, brown, well so				√N	
	7	23	16		wn sand, m-f grained, poorl		√ N			
	23	110	87		r, no stain, fine grained, wel	_	√N			
د				, , , , , , , , , , , , , , , , , , , ,	,,			Y	N	
4. HYDROGEOLOGIC LOG OF WELL			 					Y	N	
)F V								Y	N	
))(Y	N N	
СГ								Y	N	
OGI								Y	N	
103			<u> </u>					+ <u>'</u>	N N	
[OG]								Y	N	
YDR								Y	N N	
4. H								Y		
				,				-	N	
								Y	N	
					Y	N				
						Y	N N			
						Y	N			
				:				Y	N	
			<u> </u>					Y	N	
	METHOD U	SED TO ES	TIMATE YIELD	OF WATER-BEARING	G STRATA:		i i	OTAL ESTI		
	PUMI)	IR LIFT	BAILER OT	HER - SPECIFY:			WELL YIEL	U (gpm):	0.00
NOIS	WELL TES				A COLLECTED DURING IOWING DISCHARGE AN					
TEST; RIG SUPERVISI	MISCELLA	NEOUS INF	to su	LU 28 BS 126H, Temptal depth to ten feet be rface to surface. ogs adapted from WSI	porary well materials renelow ground surface, there	noved ar	nd the soil boring the depth of the soil bentonite ch	ng backfille ips from ten	d using dr feet belo	ill cuttings from w ground
ST;								E DII MA	 	1444 2
	PRINT NAM	E(S) OF DI	RILL RIG SUPER	RVISOR(S) THAT PRO	VIDED ONSITE SUPERVI	SION OI	WELL CONST	RUCTION	THER TH	IAN LICENSEE:
33	Shane Eldric	ige								
SIGNATURE	CORRECT I	RECORD OF	F THE ABOVE I	DESCRIBED HOLE AN	EST OF HIS OR HER KNO D THAT HE OR SHE WIL PLETION OF WELL DRIL	L FILE ?				
6. SIGN	Jack K	1tkins		Jac	ckie D. Atkins			05/0	5/2021	
		SIGNAT	URE OF DRILLE	ER / PRINT SIGNEE	NAME				DATE	
FΩ	FOR OSE INTERNAL USE WR-20 WELL RECORD & LOG (Version 06/30/2017)									
	E NO.		500		POD NO.		TRN NO.		534	
LO	CATION				•	WELL	TAG ID NO.	<u> </u>		PAGE 2 OF 2



APPENDIX B

Photographic Log



Photographic Log XTO Energy, Inc PLU 29-20 Big Sinks 108H Incident Number NAPP2328644007





Photograph 1 Date: 10/18/2023 Description: Site assessment activities, release point.

View: Southwest

Photograph 2 Date: 10/18/2023 Description: Site assessment activities, release extent.

View: Southwest





Photograph 3 Date: 10/18/2023

Description: Site assessment activities, release extent.

View: North

Photograph 4 Date: 11/7/2023

Description: Delineation activities, PH01.

View: Southwest



Photographic Log
XTO Energy, Inc
PLU 29-20 Big Sinks 108H
Incident Number NAPP2328644007





Photograph 5 Date: 11/10/2023 Description: Excavation near production equipment.

View: Southwest

Photograph 6 Date: 12/12/2023

Description: Excavation extent.

View: North





Photograph 7 Date: 12/12/2023 Description: Excavation extent.

View: Northwest

Photograph 8 Date: 12/12/2023

Description: Excavation extent.

View: East



APPENDIX C

Lithologic Soil Sampling Logs

	Sample Name: PH01	Date: 11/7/2023	
ENSOLUM Environmental Engineering and	Site Name: PLU 29-20 Big Sinks 108H		
= iiiiii eiiiii eiiii eiii eiii eiii ei	Environmental, Engineering and Hydrogeologic Consultants Incident Number: NAPP2328644007		
Hydrogeologic Consultants	Job Number: 03C1558285		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: MR	Method: Trackhoe	
Coordinates: 32.106657, -103.791975	Hole Diameter: ~3' Total Depth: 6'		

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M M	364 414	185.1 83.7	Y	SS01	0.5 <u>-</u> -	1		0-0.5' CALICHE, fill. Stained, odorous, medium brown. 0.5-1.5' SAND with silt, reddish-brown. Medium grains, sub-rounded grains, poorly sorted, no stain, strong h/c odor, moist. 1.5-2.5' SAND with silt, black/dark brown,
М	274	446.3	Y		- - - -	2	ССНЕ	medium to fine grained, poorly sorted. mild H/C odor, moist. 2.5-3.5' CALICHE with silt, medium brown. Poorly
М	364	99.9	N	PH01	3 <u>-</u>	3 -		sorted, sub-rounded to sub-angular grains. Coarse grained, slight odor, no stain, moist. 3.5-6' CALICHE, medium brown/white. Coarse grained, sub-rounded grains, no stain, slight
М	201.6	6.7	N		- - - -	4 - - - 5		odor to 4', moist.
М	168	0.4	N	PH01A	6	6 TD		Total Depth @ 6' bgs.
					- - - -	- - - -		
					- - - -	- - -		
					- - -	-		
					- - - -	- - - -		

	Sample Name: PH02	Date: 11/7/2023	
ENSOLUM	Site Name: PLU 29-20 Big Sinks 108H		
Environmental, Engineering and	Incident Number: NAPP2328644007		
Hydrogeologic Consultants	Job Number: 03C1558285		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: MR	Method: Trackhoe	
Coordinates: 32.106757, -103.792050	Hole Diameter: ~3'	Total Depth: 2'	

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
М	1,025	1,184	Υ	SS02	0.5	0	CCHE	grained, poorly sorted, sub-rounded grains, stain and odor moist
М	2,005	13.7	N		- - -	1	SP-SM	0.5-2' SAND with silt. Red/brown, medium to fine grained, poorly sorted, sub-rounded grains, no stain, no odor, moist.
М	<168	0.3	N	PH02	2			Total Depth @ 2' bgs.
					- -	- - -		
					- - -	• - •		
					- - -	- - -		
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					- - -	 - -		
					- -	- -		

	Sample Name: PH03	Date: 11/7/2023	
ENSOLUM	Site Name: PLU 29-20 Big Sinks 108H		
Environmental, Engineering and	Incident Number: NAPP2328644007		
Hydrogeologic Consultants	Job Number: 03C1558285		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: MR	Method: Trackhoe	
Coordinates: 32.106814, -103.792267	Hole Diameter: ~3' Total Depth: 2'		

Moisture Content	Chloride (ppm)	Vapor (ppm)	•	Sample ID	Sample Depth (ft bgs)	(ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M M	5,684 202	252 12.3	Y N	SS03	0.5 <u> </u>	1	SP-SM	0-0.5' CALICHE, medium brown, medium to coarse grained, poorly sorted, sub-rounded grains, stain and odor, moist. 0.5-2' SAND with silt. Red/brown, medium to fine grained, poorly sorted, sub-rounded grains, no stain, no odor, moist.
M	<168	0.7	Z	PH03	2	2 TD		Stain, no odor, moist. Total Depth @ 2' bgs.
					- - - - - - - -	- - - - - - - - - - - - -		

	Sample Name: PH04	Date: 11/7/2023	
ENSOLUM	Site Name: PLU 29-20 Big Sinks 108H		
Environmental, Engineering and	Incident Number: NAPP2328644007		
Hydrogeologic Consultants	Job Number: 03C1558285		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: MR	Method: Trackhoe	
Coordinates: 32.106893, -103.792481	Hole Diameter: ~3' Total Depth: 3'		

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M	8,490 274	270 52.1	Y	SS04	0.5 <u>-</u> -	1	SP-SM	O-0.5' CALICHE, medium brown, medium to coarse grained, poorly sorted, sub-rounded grains, stain and odor, moist. O.5-2.5' SAND with silt. Red/brown, medium to fine grained, poorly sorted, sub-rounded grains, no stain, slight odor, moist.
М	235.2	21.5	N		- - -	2		2.5-3' SAND with trace caliche. Red brown, medium
М	<168	0.3	N	PH04	3 _	3 TD		grained, poorly sorted, no stain, no odor, moist. Total Depth @ 3'
					- - - -			
					- - - -	- - -		
					- - - -	- - -		
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	Sample Name: PH05	Date: 11/8/2023
ENSOLUM	Site Name: PLU 29-20 Big Sinks 108H	
Environmental, Engineering and	Incident Number: NAPP2328644007	
Hydrogeologic Consultants	Job Number: 03C1558285	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: MR	Method: Hand Auger
Coordinates: 32.106777, -103.792587	Hole Diameter: 4"	Total Depth: 2'

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M	4,267 1,400	67.2 17.9	Y	PH05	0.5 _ - - -	0 - 1 -	SP-SM	0-0.5' CALICHE, fill, medium brown, with pea gravel no stain, no odor. 0.5-2' SAND with silt, red/brown, medium grained, poorly sorted. Odorous through 1', no stain, moist.
M	<168	0.7	N	PH05A	2 -	2 TD -		Total Depth @ 2' bgs.

	<u> </u>			Sample Name: PH06	Date: 11/10/2023		
ENS	O L	Site Name: PLU 29-20 Big Sinks 108H					
Environmental, El		Incident Number: NAPP2328644007					
Hydrogeologic Co	nsuitants	Job Number: 03C1558285					
LITHOLOGIC / SOIL S	AMPLING LO	Logged By: MR	Method: Hand Auger				
Coordinates: 32.106654, -103.792622				Hole Diameter: 4"	Total Depth: 2'		
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screenings.							
oisture ontent nloride ppm) /apor ppm) taining	Sample Depth	Depth (ft bgs)	CS/Rock ymbol	Lithologic Descriptions			

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
			N		1	0	CCHE	0-0.5' CALICHE, fill, medium brown, with pea gravel
M	<156.8	0.7		PH06	0.5	1	SP-SM	0-0.5' CALICHE, fill, medium brown, with pea gravel no stain, no odor. 0.5-2' SAND with silt, red/brown, medium grained, poorly sorted, no odor, no stain, moist.
М	<156.8	0.6	N	PH06A	2			Total Depth @ 2' bgs.
					- - - -			
					- - -	- - -		
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					- - -	- - -		
					- - - -	- - -		
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					- - -	- - - -		
					_	 		

M <156.8 0.1 N PH07A

				NSO				Sample Name: PH07	Date: 11/10/2023
				1 2 0	' L '	Site Name: PLU 29-20 Big Sinks 108H			
		Env	iron	mental, Engir	neering a		Incident Number: NAPP2328644007		
		нус	irogi	eologic Consu	illants		Job Number: 03C1558285		
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: MR	Method: Hand Auger
Coordina	ates: 32.10	06852, -1	03.79	2665				Hole Diameter: 4"	Total Depth: 2'
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. A 40% correction factor is included in all chloride screenings.									
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Desci	riptions
М	<156.8	0.3	N	PH07	0.5	0		0-0.5' CALICHE, fill, medium brong stain, no odor. 0.5-2' SAND with silt, red/brow	n, medium grained,
					_	_		poorly sorted. No odor, no s	tain, moist.

Total Depth @ 2' bgs.

	Sample Name: PH08	Date: 12/12/2023				
ENSOLUM	Site Name: PLU 29-20 Big Sinks 108H					
Environmental, Engineering and	Incident Number: NAPP2328644007					
Hydrogeologic Consultants	Job Number: 03C1558285					
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: MR	Method: Hand Auger				
Coordinates: 32.106789, -103.792662	Hole Diameter: 4" Total Depth: 2'					
Comments: Field careening conducted with HACH Chloride Test String and DID for chloride and vanor, respectively. Chloride test performed with						

Moisture Content	Chloride (ppm)	Vapor (ppm)	• ,	Sample ID	Sample Depth (ft bgs)	(ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
М	336	0.0	N	PH08	0.5 <u> </u>	1	SP	0-0.5' CALICHE, fill, medium brown, with pea gravel no stain, no odor. 0.5-2' SAND with some caliche, red/brown, medium grained, poorly sorted. No odor, no stain, moist.
M	<173.6	0.1	Z	PH08A	2	2 TD		Total Depth @ 2' bgs.
					- - - - - - - -	-		

	Sample Name: PH09	Date: 12/12/2023				
ENSOLUM	Site Name: PLU 29-20 Big Sinks 108H					
Environmental, Engineering and	Incident Number: NAPP2328644007					
Hydrogeologic Consultants	Job Number: 03C1558285					
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: MR	Method: Hand Auger				
Coordinates: 32.106692, -103.792675	Hole Diameter: 4" Total Depth: 2'					
Commants: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with						

Moisture Content	Chloride (ppm)	Vapor (ppm)	• ,	Sample ID	Sample Depth (ft bgs)	(ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M	364	0.0	N	PH09	0.5	1	SP	0-0.5' CALICHE, fill, medium brown, with pea gravel no stain, no odor. 0.5-2' SAND with some caliche, red/brown, medium grained, poorly sorted. No odor, no stain, moist.
М	<173.6	0.0	N	РН09А	2 -	2 TD		Total Depth @ 2' bgs.
					- - - - - - - -			
					-			
					- - -			

	Sample Name: PH10	Date: 12/12/2023				
ENSOLUM	Site Name: PLU 29-20 Big Sinks 108H					
Environmental, Engineering and	Incident Number: NAPP2328644007					
Hydrogeologic Consultants	Job Number: 03C1558285					
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: MR	Method: Hand Auger				
Coordinates: 32.106706, -103.792575	Hole Diameter: 4" Total Depth: 2'					
Comments: Field careening conducted with HACH Chloride Test String and DID for chloride and vapor respectively. Chloride test performed with						

Moisture Content	Chloride (ppm)	Vapor (ppm)		Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M	280	0.0	N	PH10	0.5 _ -	0 - - - 1	SP	0-0.5' CALICHE, fill, medium brown, with pea gravel no stain, no odor. 0.5-2' SAND with some caliche, red/brown, medium grained, poorly sorted. No odor, no stain, moist.
M	<173.6	0.0	Z	PH10A	2	- 2 - TD 		Total Depth @ 2' bgs.
						-		



APPENDIX D

Laboratory Analytical Reports & Chain of Custody Documentation



APPENDIX E

NMOCD Notifications

From: Wells, Shelly, EMNRD

To: <u>Collins, Melanie</u>; <u>spills@slo.state.nm.us</u>

Cc: Green, Garrett J; Lambert, Tommee L; Ben Belill; Tacoma Morrissey; Velez, Nelson, EMNRD; Hamlet, Robert, EMNRD;

Bratcher, Michael, EMNRD; Maxwell, Ashley, EMNRD

Subject: RE: [EXTERNAL] XTO - Sampling Notification (Week of 12/11/23 - 12/15/23)

Date: Thursday, December 7, 2023 10:49:30 AM

Attachments: <u>image001.png</u>

Public Notice Implementation of Digital C-141 and Incident Statuses (1).pdf

Some people who received this message don't often get email from shelly.wells@emnrd.nm.gov. <u>Learn why this is important</u>

[**EXTERNAL EMAIL**]

Good morning Melanie,

I have attached the new procedures for submitting both liner inspection and confirmation sampling notifications. Please refer to page 59 of the attached document for submittal procedures. It will walk you through the process. Notifications need to be submitted this way from here on out.

Shelly

Shelly Wells * Environmental Specialist-Advanced

Environmental Bureau

EMNRD-Oil Conservation Division

1220 S. St. Francis Drive | Santa Fe, NM 87505

(505)469-7520|Shelly.Wells@emnrd.nm.gov

http://www.emnrd.state.nm.us/OCD/

From: Collins, Melanie <melanie.collins@exxonmobil.com>

Sent: Thursday, December 7, 2023 7:28 AM

To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; spills@slo.state.nm.us

Cc: Green, Garrett J <garrett.green@exxonmobil.com>; Lambert, Tommee L

<tommee.l.lambert@exxonmobil.com>; bbelill@ensolum.com; Tacoma Morrissey

<tmorrissey@ensolum.com>

Subject: [EXTERNAL] XTO - Sampling Notification (Week of 12/11/23 - 12/15/23)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

All,

XTO plans to complete final sampling activities at the sites listed below for the week of December 11, 2023, between 8 a.m. and 5 p.m MST.

Thank you,

Site Name	PLU 29-20 BS 108H	
Location	A-29-25S-31E; Eddy County, NM	
Incident ID	nAPP2328644007	
Source & Description of Activities	Soil Sampling	
Env Consultant	Ensolum	
Contractor	Tex Mex	
Sampling Notification Required	Yes	
Surface Owner	BLM	
Sampling surface area (square feet)	9,250	
Estimated Number of Samples	57	
Sampling Dates	12/11/2023 (Monday) – 12/13/2023 (Wednesday)	
Sampling Times	8:00am to 5:00pm MST	
	GPS at 32.10662, -103.79189. Open Access, potential H2S and	
Site Location and Additional Info	livestock.	

Site Name	Outrider CVB	
Location	J-28-24S-32E; Lea County, NM	
Incident ID	nAPP2330651127	
Source & Description of Activities	Soil Sampling	
Env Consultant	Ensolum	
Contractor	Tex Mex	
Sampling Notification Required	Yes	
Surface Owner	BLM	
Sampling surface area (square feet)	800	
Estimated Number of Samples	10	
Sampling Dates	12/11/2023 (Monday) – 12/12/2023 (Tuesday)	
Sampling Times	8:00am to 5:00pm MST	
	GPS at 32.186222, -103.676731. Open Access, potential H2S	
Site Location and Additional Info	and livestock.	

Site Name	Nash Unit #046H	
Location	C-18-23S-30E; Eddy County, NM	
Incident ID	NAB1821139914	
Source & Description of Activities	Soil Sampling	
Env Consultant	Ensolum	
Contractor	Tex Mex	

Sampling Notification Required	Yes
Surface Owner	SLO
Sampling surface area (square feet)	800
Estimated Number of Samples	10
Sampling Dates	12/14/2023 (Thursday) – 12/15/2023 (Friday)
Sampling Times	8:00am to 5:00pm MST
Additional Sampling Information	Delineation soil sampling only.
Site Location and Additional Info	GPS at 32.308253, -103.927077. Open Access, potential H2S and livestock. Location along active lease road.

Site Name	Pierce Canyon 17 Tank Battery	
Location	P-17-25S-30E; Eddy County, NM	
Incident ID	NAPP2233951574	
Source & Description of Activities	Soil Sampling	
Env Consultant	Ensolum	
Contractor	Tex Mex	
Sampling Notification Required	Yes	
Surface Owner	BLM	
Sampling surface area (square feet)	8,900	
Estimated Number of Samples	30	
Sampling Dates	12/14/2023 (Thursday) – 12/15/2023 (Friday)	
Sampling Times	8:00am to 5:00pm MST	
Additional Sampling Information	NMOCD approved 500 square foot sampling variance	
Site Location and Additional Info	GPS at 32.124181, -103.895993. Open Access, potential H2S and livestock.	

Site Name	Remuda Basin 1
Location	J-24-23S-29E; Eddy County, NM
Incident ID	NAB1836137253
Source & Description of Activities	Soil Sampling
Env Consultant	Ensolum
Contractor	Tex Mex
Sampling Notification Required	Yes
Surface Owner	SLO
Sampling surface area (square feet)	15,000

Ben Belill

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Sent: Thursday, November 2, 2023 6:28 PM

To: Collins, Melanie

Cc: Ben Belill; Green, Garrett J; Hamlet, Robert, EMNRD; Bratcher, Michael, EMNRD

Subject: RE: [EXTERNAL] XTO Sampling Notification 11/6/23-11/10/23

You don't often get email from shelly.wells@emnrd.nm.gov. Learn why this is important

[**EXTERNAL EMAIL**]

Good afternoon Melanie,

The OCD has received your notification. Notification requirements are **two full business days**, per rule. You may proceed on your schedule. This, and all correspondence, should be included in the closure report to ensure inclusion in the project file.

Thank you,

Shelly

Shelly Wells * Environmental Specialist-Advanced Environmental Bureau EMNRD-Oil Conservation Division 1220 S. St. Francis Drive|Santa Fe, NM 87505 (505)469-7520|Shelly.Wells@emnrd.nm.gov http://www.emnrd.state.nm.us/OCD/

From: Collins, Melanie <melanie.collins@exxonmobil.com>

Sent: Thursday, November 2, 2023 3:59 PM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

Cc: Ben Belill
bbelill@ensolum.com>; Green, Garrett J <garrett.green@exxonmobil.com>

Subject: [EXTERNAL] XTO Sampling Notification 11/6/23-11/10/23

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

XTO plans to complete final sampling activities at the sites listed below for the week of November 6, 2023, between 8 a.m. and 5 p.m MST.

Thank you,

Site Name	Nash Deep East Battery
Location	P-18-23S-30E; Eddy County, NM

Incident ID	nAPP2327146621
Source & Description of Activities	Sampling
Expected Duration for Activities	3 Days (11.6.23-11.8.23)
Env Consultant	Ensolum
Contractor	Tex Mex
Sampling Notification Required	Yes
Surface Owner	BLM

Site Name	PLU 29-20 Big Sinks 108H	
Location	A-29-25S-31E; Eddy County, NM	
Incident ID	nAPP2328644007	
Source & Description of Activities	Sampling	
Expected Duration for Activities	3 Days (11.7.23-11.9.23)	
Env Consultant	Ensolum	
Contractor	Tex Mex	
Sampling Notification Required	Yes	
Surface Owner	BLM	

Thank you, Melanie Collins

<u>District I</u> 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**

QUESTIONS

Action 300457

QUESTIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	300457
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2328644007
Incident Name	NAPP2328644007 PLU 29-20 BIG SINKS 108H @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source		
Please answer all the questions in this group.		
Site Name	PLU 29-20 BIG SINKS 108H	
Date Release Discovered	10/09/2023	
Surface Owner	Federal	

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Corrosion Other (Specify) Crude Oil Released: 4 BBL Recovered: 1 BBL Lost: 3 BBL.
Produced Water Released (bbls) Details	Cause: Corrosion Other (Specify) Produced Water Released: 18 BBL Recovered: 2 BBL Lost: 16 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Corrosion on a 6" CS header inlet line caused fluids to release to ground. All free fluids were recovered. A third-party contractor has been retained for remediation activities.

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

QUESTIONS, Page 2

Action 300457

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	300457

QUESTIONS (continued)

Action Type:

[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

nitial 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	True	
The impacted area has been secured to protect human health and the environment	True	
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True	
All free liquids and recoverable materials have been removed and managed appropriately	True	
If all the actions described above have not been undertaken, explain why	Not answered.	

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement

Name: Garrett Green
Title: SHE Coordinator
Email: garrett.green@exxonmobil.com
Date: 01/05/2024

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

QUESTIONS, Page 3

Action 300457

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	300457
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	OCD Imaging Records Lookup
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release ar	nd the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be pro	ovided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes	
Attach a comprehensive report demonstrating the lateral and vertical extents of soil conta	amination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride (EPA 300.0 or SM4500 Cl B)	1720	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	106	
GRO+DRO (EPA SW-846 Method 8015M)	106	
BTEX (EPA SW-846 Method 8021B or 8260B)	0	
Benzene (EPA SW-846 Method 8021B or 8260B)	0	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date will the remediation commence	10/18/2023	
On what date will (or did) the final sampling or liner inspection occur	10/22/2023	
On what date will (or was) the remediation complete(d)	12/22/2023	
What is the estimated surface area (in square feet) that will be reclaimed	17935	
What is the estimated volume (in cubic yards) that will be reclaimed	1330	
What is the estimated surface area (in square feet) that will be remediated	16565	
What is the estimated volume (in cubic yards) that will be remediated	615	
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		
The OCD recognizes that proposed remediation measures may have to be minimally adju	usted in accordance with the physical realities encountered during remediation. If the responsible party has any need to	

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 300457

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	300457
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date. This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	HALFWAY DISPOSAL AND LANDFILL [fEEM0112334510]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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.

I hereby agree and sign off to the above statement

Name: Garrett Green Title: SHE Coordinator

Email: garrett.green@exxonmobil.com

Date: 01/05/2024

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 300457

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	300457
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 300457

QUESTIONS (continued)

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	300457
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	

Sampling Event Information	
Last sampling notification (C-141N) recorded	296711
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/22/2023
What was the (estimated) number of samples that were to be gathered	3
What was the sampling surface area in square feet	600

Remediation Closure Request		
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.		
Requesting a remediation closure approval with this submission	Yes	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes	
What was the total surface area (in square feet) remediated	16565	
What was the total volume (cubic yards) remediated	615	
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes	
What was the total surface area (in square feet) reclaimed	17250	
What was the total volume (in cubic yards) reclaimed	1275	
Summarize any additional remediation activities not included by answers (above)	Site assessment and excavation activities were conducted at the Site to address the October 9, 2023, release of crude oil and produced water. Laboratory analytical results for excavation soil samples collected from the final excavation extent indicated all COC concentrations were compliant with the most stringent Table I Closure Criteria. Based on laboratory analytical results, no further remediation is required. XTO will backfill the excavation with material purchased locally and recontour the Site to match pre-existing site conditions. Areas pending reclamation will be completed during pad abandonment or major facility reconstruction.	

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 (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents or final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

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.

Name: Garrett Green Title: SHE Coordinator I hereby agree and sign off to the above statement Email: garrett.green@exxonmobil.com Date: 01/05/2024

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QUESTIONS, Page 7

Action 300457

QUESTIONS (continued)

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Midland, TX 79707	300457
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 300457

CONDITIONS

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CONDITIONS

Created I	By Condition	Condition Date
scwell	None	3/29/2024