



New Mexico Site Characterization

REFERENCE

C-141
C-141
C-141
C-141
NMOCD O&G Map

SITE INFORMATION

Site Name:	PLU CVX JV PC 11
Coordinates:	32.205624, -103.9048
Incident Number:	nAPP2401641673
Land Owner:	Federal
Site Elevation (ft):	3,241

COMMENTS

DTW INFORMATION

Cross reference USGS Map, NMOCD Map, and NMOSE Database

Closest Water Well/Soil Boring		2nd Closest Water Well/Soil Boring	
FALSE		CLOSER	
Name:	C-04676	Name:	321205103544701
Distance from Site (ft):	3,769	Distance from Site (ft):	3,101
Direction from Site:	Southwest	Direction from Site:	Southwest
Elevation:	3,186	Elevation:	3,188
DTW (ft):	120	DTW (ft):	231
Total Depth (ft):	120	Total Depth (ft):	452
Date of most recent water level measurement:	11/22/2022	Date of most recent water level measurement:	1/27/1998
Coordinates:	32.209759, -103.914523	Coordinates:	32.2015, -103.9135
55 feet lower in elevation than the Site		53 feet lower in elevation than the Site	
ESTIMATED DTW @ SITE: >100'			

COMMENTS

NMOCD O&G Map

CLOSEST SIGNIFICANT WATER SOURCE

Type:	Riverine
Distance (ft):	441
Direction:	South

SITE RECEPTORS

C-141
NMOCD O&G Map
NMOCD O&G Map
OpenEnviroMap
NMOCD O&G Map
NMOCD O&G Map
OpenEnviroMap
National Wetlands Inventory
NMED Registered Mines Map
NMOCD O&G Map
NMOCD O&G Map
FEMA map
C-141

NO	Did this release impact groundwater or surface water?
NO	≤ 300 ft of a continuously flowing watercourse or any other significant watercourse?
NO	≤ 200 ft of any lakebed, sinkhole, or playa lake?
NO	≤ 300 ft of an occupied permanent residence, school, hospital, institution, or church?
NO	≤ 500 ft of a spring or a private water well used by < 5 houses for domestic or stock watering?
NO	≤ 1000 ft of any other fresh water well or spring?
NO	≤ Municipal boundaries or a defined municipal fresh water well field
NO	≤ 300 ft of a wetland?
NO	overlying a subsurface mine
NO	overlying unstable geology (HIGH KARST)?
Low	karst potential
NO	in a 100-year floodplain?
NO	Did the release impact areas not on an exploration, development, production or storage site?

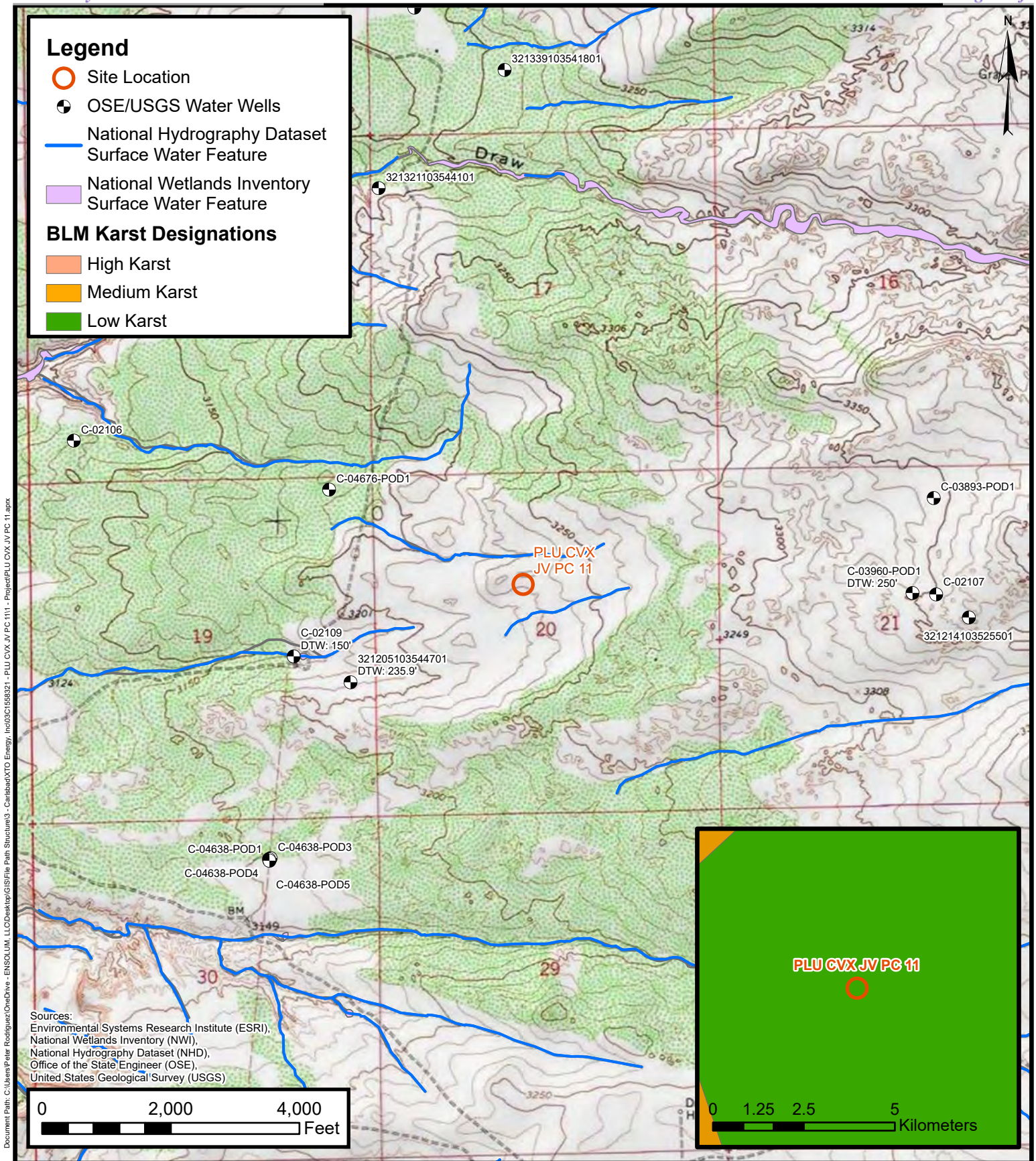
Distance from Site (ft) / Comments

20,888	Pecos
3,567	Freshwater Pond
30,340	
3,750	
52,348	USGS 321115104043501
62,682	Loving
13,240	
54,954	
21,289	
6,356	

NMOCD TABLE 1 CLOSURE CRITERIA

FALSE

DRO+ GRO: 1,000 mg/kg TPH: 2,500 mg/kg Chlorides: 20,000 mg/kg



Site Receptor Map

XTO Energy, Inc

PLU CVX JV PC 11

Incident Number: nAPP2401641673

Unit F, Sec 20, T 24S, R 30E

Eddy County, New Mexico

FIGURE

1

ENSOLUM
Environmental, Engineering and
Hydrogeologic Consultants



USGS Home
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National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
United States

GO

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- [Full News](#)

Groundwater levels for the Nation

Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 321205103544701

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 321205103544701 24S.30E.19.42113

Eddy County, New Mexico
Latitude 32°12'05", Longitude 103°54'47" NAD27
Land-surface elevation 3,188 feet above NAVD88
The depth of the well is 452 feet below land surface.
This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement
1958-10-24			D 62610		2958.66	NGVD29	1		Z	
1958-10-24			D 62611		2960.30	NAVD88	1		Z	
1958-10-24			D 72019	227.70			1		Z	
1959-03-19			D 62610		2958.61	NGVD29	1		Z	
1959-03-19			D 62611		2960.25	NAVD88	1		Z	
1959-03-19			D 72019	227.75			1		Z	
1975-12-10			D 62610		2954.58	NGVD29	1		Z	
1975-12-10			D 62611		2956.22	NAVD88	1		Z	
1975-12-10			D 72019	231.78			1		Z	
1976-01-16			D 62610		2949.10	NGVD29	1		Z	
1976-01-16			D 62611		2950.74	NAVD88	1		Z	
1976-01-16			D 72019	237.26			1		Z	
1976-12-01			D 62610		2955.63	NGVD29	1		Z	
1976-12-01			D 62611		2957.27	NAVD88	1		Z	
1976-12-01			D 72019	230.73			1		Z	
1977-01-14			D 62610		2955.74	NGVD29	1		Z	

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source of measurement
1977-01-14			D	62611	2957.38	NAVD88	1		Z	
1977-01-14			D	72019	230.62		1		Z	
1983-02-01			D	62610	2950.43	NGVD29	1		Z	
1983-02-01			D	62611	2952.07	NAVD88	1		Z	
1983-02-01			D	72019	235.93		1		Z	
1987-10-15			D	62610	2953.06	NGVD29	1		S	
1987-10-15			D	62611	2954.70	NAVD88	1		S	
1987-10-15			D	72019	233.30		1		S	
1998-01-27			D	62610	2955.34	NGVD29	1		S	
1998-01-27			D	62611	2956.98	NAVD88	1		S	
1998-01-27			D	72019	231.02		1		S	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

Questions or Comments

Automated retrievals

Help

Data Tips

Explanation of terms

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U.S. Department of the Interior | U.S. Geological Survey

Title: Groundwater for USA: Water Levels

URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?



Page Contact Information: USGS Water Data Support Team

Page Last Modified: 2024-02-26 15:17:40 EST

0.28 0.25 nadww02



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

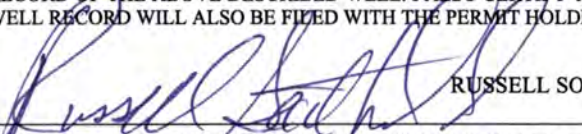
OSE 011 DEC 21 2022 PM 3:14

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) C-04676 POD 1		WELL TAG ID NO.		OSE FILE NO(S). C-04676			
	WELL OWNER NAME(S) XTO ENERGY INC				PHONE (OPTIONAL) 575-200-0729			
	WELL OWNER MAILING ADDRESS 3104 E GREENE ST				CITY STATE ZIP CARLSBAD NM 88220			
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 12	SECONDS 32.66 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND			
		LONGITUDE -103	54	50.95 W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE POKER LAKE UNIT # 231								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1184		NAME OF LICENSED DRILLER RUSSELL SOUTHERLAND			NAME OF WELL DRILLING COMPANY WEST TEXAS WATER WELL SERVICE		
	DRILLING STARTED 11/22/22		DRILLING ENDED 11/22/22		DEPTH OF COMPLETED WELL (FT) 120		BORE HOLE DEPTH (FT)	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)						DEPTH WATER FIRST ENCOUNTERED (FT)	
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:						STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
				NO CASING IN HOLE				
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
				N/A				

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO. C-04676	POD NO. 1	TRN NO. 736286
LOCATION 245.30E.19.1.2.2	WELL TAG ID NO.	PAGE 1 OF 2

	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
4. HYDROGEOLOGIC LOG OF WELL	0	1		CALICHIE PAD	Y ✓ N	
	1	120		RED SAND	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input checked="" type="checkbox"/> OTHER – SPECIFY: DRY HOLE					TOTAL ESTIMATED WELL YIELD (gpm):
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
	MISCELLANEOUS INFORMATION:					
	<div style="text-align: right;">USE DTI DEC 21 2022 PM3:14</div>					
6. SIGNATURE	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: RUSSELL SOUTHERLAND					
	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.  <div style="float: right;">11/22/2022</div> <div style="clear: both;"></div> <div style="display: flex; justify-content: space-between;"> SIGNATURE OF DRILLER / PRINT SIGNEE NAME DATE </div>					

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 04/30/2019)	
FILE NO.	C-04676	POD NO.	1
LOCATION		TRN NO.	736286
745.30E 19.17.7.		WELL TAG ID NO.	PAGE 2 OF 2

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

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

QUESTIONS

Action 362210

QUESTIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 362210
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2401641673
Incident Name	NAPP2401641673 PLU CVX JV PC 11 @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	PLU CVX JV PC 11
Date Release Discovered	01/08/2024
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Oil 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	
<i>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.</i>	
Crude Oil Released (bbls) Details	Cause: Corrosion Flow Line - Production Crude Oil Released: 4 BBL Recovered: 1 BBL Lost: 3 BBL.
Produced Water Released (bbls) Details	Cause: Corrosion Flow Line - Production Produced Water Released: 2 BBL Recovered: 0 BBL Lost: 2 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	Cause: Corrosion Flow Line - Production Natural Gas Vented Released: 320 MCF Recovered: 0 MCF Lost: 320 MCF.
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)	Not answered.

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QUESTIONS, Page 2

Action 362210

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 362210
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

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.	

Initial Response

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

The source of the release has been stopped	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: 01/25/2024
--	--

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QUESTIONS, Page 3

Action 362210

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 362210
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization	
<i>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.</i>	
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	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 300 and 500 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (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 ½ and 1 (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	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
<i>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.</i>	
Requesting a remediation plan approval with this submission	No
<i>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.</i>	

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CONDITIONS

Action 362210

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 362210
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	Extension Approved	7/10/2024