

Release Quantity Calculation / Reporting Requirement

SELECT FACILITY →

Facility: TANK 29 F20 2H

Date/Time Discovered:	8/20/22 9:00 AM	Time Discovered:	9:00:00 AM
Date/Time Started:	8/18/22 9:35 PM	Time Event Started:	9:35:00 PM
Date/Time Ended:	8/20/22 9:00 AM	Time Event Ended:	9:00:00 AM
Event Duration (hrs):	35.417		
Event Duration (days):	1.476		
Ambient Temperature (F):			

State:	NO
Latitude:	32.10629
Longitude:	-104.31454
Permit Type:	NM-NOI
Accumulated Malfunctions VOC (TPY):	

Check Instructions
Enter Gas Analysis
Check Reporting Summary

= entered info
= entered from spreadsheet for release type
= calculated value
= dropdowns

Cause (if known): Midstream Operator and Production Operator were looking into a different issue and heard gas, they drove to investigate and found a 4" line leak 200 yards north of the Tank 29 2H pad. Line was ruptured and blew the dirt out of the ditchline. No equipment was nearby and no excavation in the area. Line failed and ruptured. Line was found to be the injection line for the tank 29 production site. riser was shut in and gas leak stopped. Trending from churchill injection meter showed 3mmcf above normal flowrate for 35 hours. no injuries or damage to other property. management has been notified.

No. of Events: 1

Notes: Gas released within 200 yards of facility, therefore, event is not reportable for the facility per air quality rules. Event reportable to OCD via C-129 reporting for the gathering system.

Corrective Action: Line was shut in upon discovery and management was notified.

Release Source Type and Information

Metered/Estimated Vol (mscf):	4,800.000	Control Type:	None	Control Efficiency (%):	0%	adjust manually if needed, this control is for metered/estimated volumes only				
CLICK to go to this tab ---->	Hole	Pipe Blowdown - HP	Pipe Blowdown - LP	Equipment Blowdown	Compressor Blowdown	Compressor Startup	ESD	Metered/Estimated Vol	PSV	TOTAL
Vol. Vented to Atmosphere (mscf):	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4,800.000	0.000	4,800.000 (mscf) uncombusted
Vol. of Gas Combusted (mscf):	-	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	0.000 (mscf) combusted
Max Hourly Release (mscf):	135.5	Override if greater than calculated value								

NM Reporting Questions	Did the emission event result in uncontrolled engine emissions vented to atmosphere? (ie. engine burning without catalyst)	No
PA Reporting Questions	Did the event result in fugitive particulate emission or odor beyond the facility boundary?	No
CSB Reporting Questions	Did the event result in a fatality or serious injury including hospitalization?	No
EPCRA Reporting Questions	Did the release result in exposure to persons solely within the boundaries of XEC facility?	Yes

H2S ppm = Enter HERE if not already in the gas analysis in mole %

*use recent gas analysis specific to the facility if available; otherwise use default data for the basin

* Use recent gas analysis specific to the facility if available; otherwise use default data for the basin								Tank vented emissions	Dehy vented emissions					
Component	*mole %	Molecular Weight (grams/mole, lb/lb-mol)	grams per 100 moles of gas	weight %	Total Event Release Amount (lbs)	Total Release Amount 24-hr period (lbs)	Max Hourly Release Amount (lbs)	Total Event Tank Emissions (lbs)	Total Event Dehy Emissions (lbs)	Total Event (Vented Gas+Tank Vapors)	Reportable Amount 24-hr (lbs) for TX Reporting			
Hydrogen	0.0000	2.01588	0.00	0.000	0.00	0.00	0.00	-	-	0.00	NA			
Helium	0.0000	4.0026	0.00	0.000	0.00	0.00	0.00	-	-	0.00	NA			
Nitrogen	0.7570	28.01340	21.21	1.031	2682.20	1817.58	75.73	0.00	0.00	2682.20	5000			
CO2	0.1310	44.00950	5.77	0.280	729.20	494.14	20.59	0.00	0.00	729.20	NA			
H2S**	0.0000	34.08188	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	100			
Methane (C1)	80.6550	16.04246	1293.90	62.929	163655.92	110900.95	4620.87	0.00	0.00	163655.92	NA			
Ethane (C2)	10.6570	30.06904	320.45	15.585	40530.69	27465.50	1144.40	0.00	0.00	40530.69	NA			
Propane (C3)	4.4730	44.09562	197.24	9.593	24947.31	16905.47	704.39	0.00	0.00	24947.31	5000			
Butanes (C4)	2.0770	58.12220	120.72	5.871	15268.91	10346.93	431.12	0.00	0.00	15268.91	5000			
Pentanes (C5)	0.7760	72.14878	55.99	2.723	7081.42	4798.70	199.95	0.00	0.00	7081.42	5000			
Benzene		78.110000	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	10			
N-hexane (C6)		86.180000	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	5000			
Other hexanes (C6)	0.4740	86.18000	40.85	1.987	5166.71	3501.21	145.88	0.00	0.00	5166.71	5000			
Toluene		92.140000	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	1000			
Other heptanes (C7)	0.0000	100.20000	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	100			
Ethylbenzene*		106.170000	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	1000			
Xylenes (o, m, p)*		106.170000	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	100			
Other octanes (C8)	0.0000	114.23000	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	5000			
Nonanes (C9)	0.0000	128.26000	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	100			
Decanes plus (C10+)	0.0000			0.000	0.00	0.00	0.00	0.00	0.00	0.00	5000			
Totals:	100.0000	20.56	2056	100.000	52464.35	35552.31		0.00	0.00	52464.35	5000			
Natural Gas (VOC) Release (lbs)=					52464.35	35552.31		VOC (lbs)		0.00				
Total Release (lbs)=					260062.36	176230.49								
Combustion Emissions					VOC (lbs)		*Calculated via mass balance		Combustion Related ROG			VOC (lbs)		
					SO2 (lbs)		0.00 0.00					SO2 (lbs)		500
					CO (lbs)		0.00 0.00					CO (lbs)		5000
					CO2 (lbs)		0.00 0.00					CO2 (lbs)		NA
					NOx (lbs)		0.00 0.00					NOx (lbs)		5000
					Split NOx - NO (lbs)		0.00 0.00					Split NOx - NO (lbs)		NA
					Split NOx - NO2 (lbs)		0.00 0.00					Split NOx - NO2 (lbs)		NA
VOC content of hydrocarbon fraction only					NO2/NOx ratio=0.75 per https://www3.epa.gov/ttn/scram/guidance/guide/appex_03.pdf									
VOC weight% =					20.44									
VOC weight fraction =					0.20									

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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

DEFINITIONS

Action 138351

DEFINITIONS

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 138351
	Action Type: [C-129] Venting and/or Flaring (C-129)

DEFINITIONS

For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application: <ul style="list-style-type: none">• this application's operator, hereinafter "this operator";• venting and/or flaring, hereinafter "vent or flare";• any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms";• the statements in (and/or attached to) this, hereinafter "the statements in this";• and the past tense will be used in lieu of mixed past/present tense questions and statements.
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QUESTIONS

Action 138351

QUESTIONS

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 138351
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Prerequisites	
<i>Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.</i>	
Incident Well	Not answered.
Incident Facility	[fAPP2125253639] Triple Crown New Mexico

Determination of Reporting Requirements	
<i>Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.</i>	
Was this vent or flare caused by an emergency or malfunction	Yes
Did this vent or flare last eight hours or more cumulatively within any 24-hour period from a single event	Yes
Is this considered a submission for a vent or flare event	Yes, major venting and/or flaring of natural gas.
<i>An operator shall file a form C-141 instead of a form C-129 for a release that, includes liquid during venting and/or flaring that is or may be a major or minor release under 19.15.29.7 NMAC.</i>	
Was there at least 50 MCF of natural gas vented and/or flared during this event	Yes
Did this vent or flare result in the release of ANY liquids (not fully and/or completely flared) that reached (or has a chance of reaching) the ground, a surface, a watercourse, or otherwise, with reasonable probability, endanger public health, the environment or fresh water	No
Was the vent or flare within an incorporated municipal boundary or withing 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

Equipment Involved	
Primary Equipment Involved	Not answered.
Additional details for Equipment Involved. Please specify	Not answered.

Representative Compositional Analysis of Vented or Flared Natural Gas	
<i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	81
Nitrogen (N2) percentage, if greater than one percent	1
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	0
Oxygen (O2) percentage, if greater than one percent	0
<i>If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.</i>	
Methane (CH4) percentage quality requirement	Not answered.
Nitrogen (N2) percentage quality requirement	Not answered.
Hydrogen Sulfide (H2S) PPM quality requirement	Not answered.
Carbon Dioxide (CO2) percentage quality requirement	Not answered.
Oxygen (O2) percentage quality requirement	Not answered.

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QUESTIONS, Page 2

Action 138351

QUESTIONS (continued)

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 138351
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	08/18/2022
Time vent or flare was discovered or commenced	09:00 AM
Time vent or flare was terminated	09:00 AM
Cumulative hours during this event	35

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Equipment Failure Pipeline (Any) Natural Gas Vented Released: 4,800 Mcf Recovered: 0 Mcf Lost: 4,800 Mcf]
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Additional details for Measured or Estimated Volume(s). Please specify	Not answered.
Is this a gas only submission (i.e. only significant Mcf values reported)	Yes, according to supplied volumes this appears to be a "gas only" report.

Venting or Flaring Resulting from Downstream Activity	
Was this vent or flare a result of downstream activity	No
Was notification of downstream activity received by this operator	Not answered.
Downstream OGRID that should have notified this operator	Not answered.
Date notified of downstream activity requiring this vent or flare	Not answered.
Time notified of downstream activity requiring this vent or flare	Not answered.

Steps and Actions to Prevent Waste	
For this event, this operator could not have reasonably anticipated the current event and it was beyond this operator's control.	True
Please explain reason for why this event was beyond this operator's control	Equipment Failure
Steps taken to limit the duration and magnitude of vent or flare	Line was shut-in upon discovery
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Repair/ replace

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ACKNOWLEDGMENTS

Action 138351

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	Action Number: 138351
	Action Type: [C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit a <i>Venting and/or Flaring</i> (C-129) report on behalf of this operator and understand that this report can be a complete C-129 submission per 19.15.27.8 and 19.15.28.8 NMAC.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to this operator) to track any C-129 forms, pursuant to 19.15.27.7 and 19.15.28.8 NMAC and understand that this submission meets the notification requirements of Paragraph (1) of Subsection G and F respectively.
<input checked="" type="checkbox"/>	I hereby certify the statements in this report are true and correct to the best of my knowledge and acknowledge that any false statement may be subject to civil and criminal penalties under the Oil and Gas Act.
<input checked="" type="checkbox"/>	I acknowledge that the acceptance of any C-129 forms by the OCD does not relieve this operator of liability should their operations have failed to adequately investigate, report, and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment.
<input checked="" type="checkbox"/>	I acknowledge that OCD acceptance of any C-129 forms does not relieve this operator of responsibility for compliance with any other applicable federal, state, or local laws and/or regulations.

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CONDITIONS

Action 138351

CONDITIONS

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 138351
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
bgordon01	If the information provided in this report requires an amendment, submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.	8/26/2022