

Gas Analysis

Component	mol%	MW	btu/scf	lbs (leak-atm)	lb (leak-flare)	lbs (leak 24hr)	lbs (bd-atm)	lbs (bd-flare)	lbs (event 24hr)	DRE	RQ	Reportable?	
carbon dioxide	9.2156	44.0	0.0	23.0	0.0	23.0	1169.6	0.0	1192.5	0.00			
helium		4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00			
hydrogen		2.0	273.8	0.0	0.0	0.0	0.0	0.0	0.0	0.99			
hydrogen sulfide		34.1	586.8	0.0	0.0	0.0	0.0	0.0	0.0	0.98	100	No	
nitrogen	1.6326	28.0	0.0	2.6	0.0	2.6	131.9	0.0	134.5	0.00			
oxygen		32.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00			
methane	61.3942	16.0	909.4	55.7	0.0	55.7	2840.3	0.0	2896.0	0.99			
ethane	12.9029	30.1	1618.7	22.0	0.0	22.0	1118.8	0.0	1140.8	0.99			
propane	8.7533	44.1	2314.9	21.8	0.0	21.8	1113.1	0.0	1134.9	0.99	5000	No	
propylene		42.1	2181.0	0.0	0.0	0.0	0.0	0.0	0.0	0.98	5000	No	
l-butane	1.0696	58.1	3000.4	3.5	0.0	3.5	179.3	0.0	182.8	0.98	5000	No	
n-butane	2.7345	58.1	3010.8	9.0	0.0	9.0	458.3	0.0	467.3	0.98			
l-pentane	0.6355	72.2	3699.0	2.6	0.0	2.6	132.2	0.0	134.8	0.98	5000	No	
n-pentane	0.6678	72.2	3706.9	2.7	0.0	2.7	138.9	0.0	141.7	0.98			
hexanes +	0.9850	86.2	4403.8	4.8	0.0	4.8	244.8	0.0	249.6	0.98	5000	No	
Total VOC	14.8457			44.5	0.0	44.5	2266.6	0.0	2311.1				
Total Stream	100.0			147.7	0.0	147.7	7527.1	0.0	7674.9				
Should equal 100	99.991	Factors Leak to Flare			Factors Blowdown to Flare			BD to Flare	Leak to Flare				
				flared mmbtu 0.000			flared mmbtu 0.000		0.00	0.0000	NO _x	5000	No
				flared btu/scf 0.000			flared btu/scf 0.000		0.00	0.0	CO	5000	No
									0.00	0.0	SO ₂	500	No

Source: Big Sinks 3-25-30 Analysis

Based on TCEQ and EPA General Rules Standard Conditions of 68 degF and 14.7 psia, SCF/lb-mole conversion = 385.4616 scf/lb-mole
 Flare destruction efficiencies (DRE) from TNRCC document "Air Permit Technical Guidance for Chemical Sources: Flares and Vapor Oxidizers", dated June 1998.
 NO_x emission factor of 0.1380 lb/mmbtu associated with high BTU gas without steam assist. If Btu/scf is less than 1000, calc uses 0.0641)
 CO emission factor of 0.2755 lb/mmbtu associated with high BTU gas without steam assist. If Btu/scf is less than 1000, calc uses 0.5496)
 SO₂ calculated using the inlet H₂S feed rate and a 98% flare destruction efficiency.

				Date	7/10/2025
				Time	3:15 PM
				Duration (hrs)	2.7500
County		Latitude	32.151855	Longitude	-103.86555
Location	Big sinks line				
Contaminant	VOC				
Quantity (lbs)		Limit	N/A	Permit No	N/A
Cause	Third party discovered gas leak with drone and notified enterprise.				
Corrective Action	Shut in and blew down pipeline				
Contact	Daniel Vasquez				
Phone					

Release Type	Leak	LEAK RELEASE TOTAL		LEAK RELEASE 24 HOUR	
		2.18	Mscf	2.18	Mscf
PSV Flowrate (scfm)		44.48	lbs VOC	44.48	lbs VOC
Hole Length (in)	0.13	0.00	lbs H2S	0.00	lbs H2S
Hole Width (in)	0.13				
Hole Diameter (in)	0.13	BLOWDOWN RELEASE TOTAL		EVENT 24 HOUR (Leak & Blowdown)	
Pressure (psi <i>gauge</i>)	100	111.15	Mscf	113.34	Mscf
Flared	No	2266.61	lbs VOC	2311.09	lbs VOC
Cg	14	0.00	lbs NOx	0.00	lbs NOx
		0.00	lbs H2S	0.00	lbs H2S
		0.00	lbs CO	0.00	lbs CO
		0.00	lbs SO2	0.00	lbs SO2
		EVENT TOTAL (LEAK & BLOWDOWN)		LEAK RELEASE 1 HOUR	
		113.34	Mscf	0.79	Mscf
		2311.09	lbs VOC	53.72	lbs gas
		0.00	lbs H2S		

Volume of Gas Leaked (MSCF) = Diameter*Diameter*(Upstream Gauge Pressure + Atmospheric Pressure)*Hours of Leak

**Reference: Pipeline Rules of Thumb Handbook, 3rd Edition, McAllister. Page 260. Assuming STP (14.7 psi and 60 F)

**Reference: Crane Technical Paper No. 410, "Flow of Fluids through Valves, Fittings, and Pipe", copies are available online from Crane Valve at www.cranevalve.com/store.htm

**Reference: SynerGEE Technical Reference for SynerGEE version 3.3 (gas)

Volume of Gas Blown Down (MSCF) = Volume at pipeline conditions (ft3)*(Gauge Pressure (psig)+Atmospheric Pressure)

*Standard Temperature/(1000 scf/mscf)*Atmospheric Pressure*Temperature(F)*Z Factor

Volume at pipeline conditions (scf) = Diameter/12 (ft)*Diameter/12 (ft)*PI/4*Length of pipe (ft)

**Reference: Gas Pipeline Hydraulics, Mensor (2005) Pages 132-134. Assuming the Ideal Gas Law and Tpipeline = Tatm.

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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 484009

DEFINITIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 484009
	Action Type: [C-129] Venting and/or Flaring (C-129)

DEFINITIONS

<p>For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application:</p> <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 484009

QUESTIONS

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	Action Number: 484009
	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	Unavailable.
Incident Facility	[fAPP2122928745] Enterprise Carlsbad GS

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	No
Is this considered a submission for a vent or flare event	Yes, minor 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 within 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

Equipment Involved	
Primary Equipment Involved	Pipeline (Any)
Additional details for Equipment Involved. Please specify	Small pinhole leak discovered by third party survey of other pipelines. Line was isolated, and blown down. Incident could not have been prevented.

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	61
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	1
Carbon Dioxide (CO2) percentage, if greater than one percent	9
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 484009

QUESTIONS (continued)

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	Action Number: 484009
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	07/10/2025
Time vent or flare was discovered or commenced	03:15 PM
Time vent or flare was terminated	06:00 PM
Cumulative hours during this event	3

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Other Pipeline (Any) Natural Gas Vented Released: 113 Mcf Recovered: 0 Mcf Lost: 113 Mcf.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Additional details for Measured or Estimated Volume(s). Please specify	based on calculation, pinhole leak in pipeline.
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	No
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	Pinhole leaks are not predictable. Operator could not have predicted this events occurrence.
Steps taken to limit the duration and magnitude of vent or flare	leak was isolated in a timely manner and pipeline was blown down.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	pipeline to be inspected and repaired.

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ACKNOWLEDGMENTS

Action 484009

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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 484009

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Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 484009
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
dfeather@eprod.com	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.	7/11/2025