

# Gas Composition and Properties

Effective March 1, 2023 00:00 - January 18, 2038 21:14

Source #: 139100106  
Name: Lehman Line Inlet

Component	Mole %	Liquid Content	Mass %	Property	Total Sample
Carbon Dioxide (CO2)	3.1362		6.1044	Pressure Base	14.65
Nitrogen (N2)	7.4686		9.2534	Temperature Base	60
Methane (C1)	70.7873		50.2253	HCDP @ Sample Pressure	
Ethane (C2)	8.5386	2.2783	11.3554	Cricondentherm	
Propane (C3)	5.2124	1.4327	10.1655	HV, Dry @ Base P, T	1150.44
Isobutane (IC4)	0.8154	0.2662	2.0961	HV, Sat @ Base P, T	1130.30
n-Butane (NC4)	1.9101	0.6008	4.9101	HV, Sat @ Sample P, T	
Isopentane (IC5)	0.4673	0.1705	1.4911	Relative Density	0.7830
n-Pentane (NC5)	0.5269	0.1906	1.6813		
Hexanes Plus (C6+)	0.3668	0.1633	1.5562		
Argon (Ar)					
Carbon Monoxide (CO)					
Hydrogen (H2)					
Oxygen (O2)					
Helium (He)					
Water (H2O)					
Hydrogen Sulfide (H2S)	0.7704		1.1612	C6+: 48 - 36 - 17	
Totals	100.0000	5.1030	100.0000		

## Sample

Date: 03/20/2023      Type: Spot  
Tech: Paul T  
Pressure: 186.6 psi      Temp.: 53 °F  
Gauge:      H2O:  
Atm. Pressure:      H2S: 7,704 ppm

Remarks:

## Analysis

Date:      Instrument:  
Tech:      Cylinder:

Remarks:

\*\*\* End of Report \*\*\*

Meter ID: 139100004

Location Vada Low Pressure Flare

	DP	SP	Temp	Volume
	inH2O	psi	F	MCF
6/21/23 0:00	0.000	12.587	74.043	0.000
6/21/23 1:00	0.000	12.584	68.845	0.000
6/21/23 2:00	0.000	12.580	65.697	0.000
6/21/23 3:00	0.000	12.578	63.636	0.000
6/21/23 4:00	0.000	12.581	62.738	0.000
6/21/23 5:00	0.000	12.583	62.056	0.000
6/21/23 6:00	0.000	12.587	65.103	0.000
6/21/23 7:00	0.000	12.591	78.057	0.000
6/21/23 8:00	0.000	12.603	88.743	0.000
6/21/23 9:00	0.000	12.595	96.930	0.000
6/21/23 10:00	0.000	12.595	102.419	0.000
6/21/23 11:00	0.000	12.592	104.681	0.000
6/21/23 12:00	0.000	12.586	105.707	0.000
6/21/23 13:00	0.000	12.580	107.343	0.000
6/21/23 14:00	0.000	12.572	108.188	0.000
6/21/23 15:00	0.000	12.564	110.228	0.000
6/21/23 16:00	0.000	12.556	107.571	0.000
6/21/23 17:00	0.000	12.544	106.998	0.000
6/21/23 18:00	0.000	12.541	98.523	0.000
6/21/23 19:00	0.000	12.539	96.207	0.000
6/21/23 20:00	0.000	12.542	87.670	0.000
6/21/23 21:00	101.085	17.997	73.274	29.192
6/21/23 22:00	70.681	14.657	73.141	40.412
6/21/23 23:00	108.552	22.471	70.572	14.802
<b>Avg/Total:</b>	11.68	13.30	86.60	84.4066

VRSDO.UIS

Energy	FlowTime
MBTU	sec
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
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0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
0.000	0.000
35380.960	2062.000
48979.720	3600.000
17940.100	864.000
102300.7800	6526.0000

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**Oil Conservation Division**  
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DEFINITIONS

Action 232181

DEFINITIONS

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 232181
	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:

- 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 232181

**QUESTIONS**

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 232181
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

<b>Prerequisites</b> Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.	
Incident Well	Unavailable.
Incident Facility	[fPAC0608141749] Targa Vada Compressor Station

<b>Determination of Reporting Requirements</b> Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.	
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.
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.	
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 <b>ANY</b> 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

<b>Equipment Involved</b>	
Primary Equipment Involved	Not answered.
Additional details for Equipment Involved. Please specify	Not answered.

<b>Representative Compositional Analysis of Vented or Flared Natural Gas</b> Please provide the mole percent for the percentage questions in this group.	
Methane (CH4) percentage	71
Nitrogen (N2) percentage, if greater than one percent	7
Hydrogen Sulfide (H2S) PPM, rounded up	1
Carbon Dioxide (CO2) percentage, if greater than one percent	3
Oxygen (O2) percentage, if greater than one percent	0
If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.	
Methane (CH4) percentage quality requirement	71
Nitrogen (N2) percentage quality requirement	7
Hydrogen Sulfide (H2S) PPM quality requirement	1
Carbon Dioxide (CO2) percentage quality requirement	3
Oxygen (O2) percentage quality requirement	0

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QUESTIONS, Page 2  
  
Action 232181

**QUESTIONS (continued)**

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**QUESTIONS**

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	06/21/2023
Time vent or flare was discovered or commenced	09:26 PM
Time vent or flare was terminated	11:14 PM
Cumulative hours during this event	2

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Midstream Emergency Maintenance   Gas Compressor Station   Natural Gas Flared   Released: 84 Mcf   Recovered: 0 Mcf   Lost: 84 Mcf.
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	Gas was routed to flare as a result of unexpected shutdown. The unexpected shutdown was due to a high H2S alarm.
Steps taken to limit the duration and magnitude of vent or flare	Operations responded immediately to the unexpected shutdown. Compressors were checked for safety and units restarted as expeditiously as possible.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Compressors were checked for safety and units restarted. The emission event ended.



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ACKNOWLEDGMENTS

Action 232181

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	Action Number: 232181
	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 <b>complete</b> 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

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	Action Number: 232181
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
amberg	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.	6/23/2023