

# Gas Composition and Properties

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

Source #: 0233152

Name: Grobe Inlet

Component	Mole %	Liquid Content	Mass %	Property	Total Sample
Carbon Dioxide (CO2)	1.7085		3.1922	Pressure Base	14.65
Nitrogen (N2)	1.7437		2.0738	Temperature Base	60
Methane (C1)	72.6365		49.4709	HCDP @ Sample Pressure	
Ethane (C2)	10.4098	2.7802	13.2888	Cricondentherm	
Propane (C3)	6.7996	1.8707	12.7293	HV, Dry @ Base P, T	1337.53
Isobutane (IC4)	0.7196	0.2352	1.7757	HV, Sat @ Base P, T	1314.12
n-Butane (NC4)	2.6705	0.8408	6.5896	HV, Sat @ Sample P, T	1295.79
Isopentane (IC5)	0.6110	0.2231	1.8715	Relative Density	0.8165
n-Pentane (NC5)	0.9120	0.3301	2.7935		
Hexanes Plus (C6+)	1.3812	0.6155	5.6249		
Argon (Ar)					
Carbon Monoxide (CO)					
Hydrogen (H2)					
Oxygen (O2)					
Helium (He)					
Water (H2O)					
Hydrogen Sulfide (H2S)	0.4076		0.5898	C6+: 48 - 36 - 17	
Totals	100.0000	6.8950	100.0000		

## Sample

Date: 08/10/2023

Type:

Tech: John Britt

Pressure:

22.8 psi

Temp.:

91 °F

Gauge:

H2O:

Atm. Pressure:

H2S:

4,076 ppm

Remarks:

## Analysis

Date:

Instrument:

Tech:

Cylinder:

Remarks:

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

Meter ID: 0233151

Location GROBE FLARE

VRSDO.UIS

	DP	SP	Temp	Volume	Energy
	inH2O	psi	F	MCF	MBTU
12/10/23 0:00	0.000	20.052	27.254	0.000	0.000
12/10/23 1:00	0.000	20.083	26.001	0.000	0.000
12/10/23 2:00	0.000	20.354	25.129	0.000	0.000
12/10/23 3:00	0.000	19.968	24.042	0.000	0.000
12/10/23 4:00	0.000	19.749	22.326	0.000	0.000
12/10/23 5:00	0.000	26.130	20.550	0.000	0.000
12/10/23 6:00	8.560	35.213	42.718	28.998	36903.480
12/10/23 7:00	8.573	34.147	54.599	45.743	58213.130
12/10/23 8:00	22.974	33.925	58.627	66.928	85172.450
12/10/23 9:00	0.000	28.900	56.923	0.000	0.000
12/10/23 10:00	0.000	24.304	52.688	0.000	0.000
12/10/23 11:00	0.000	22.836	51.748	0.000	0.000
12/10/23 12:00	0.000	22.205	53.439	0.000	0.000
12/10/23 13:00	0.000	21.884	56.087	0.000	0.000
12/10/23 14:00	0.000	21.459	58.526	0.000	0.000
12/10/23 15:00	0.000	21.206	59.478	0.000	0.000
12/10/23 16:00	0.000	21.257	55.418	0.000	0.000
12/10/23 17:00	0.000	21.151	50.573	0.000	0.000
12/10/23 18:00	0.000	20.961	45.321	0.000	0.000
12/10/23 19:00	0.000	20.832	41.297	0.000	0.000
12/10/23 20:00	0.000	20.716	38.787	0.000	0.000
12/10/23 21:00	0.000	20.580	36.784	0.000	0.000
12/10/23 22:00	0.000	20.411	34.405	0.000	0.000
12/10/23 23:00	0.000	20.281	32.126	0.000	0.000
<b>Avg/Total:</b>	1.67	23.28	42.70	141.6699	180289.0600

FlowTime
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DEFINITIONS

Action 293695

DEFINITIONS

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 293695
	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"><li>• this application's operator, hereinafter "this operator";</li><li>• venting and/or flaring, hereinafter "vent or flare";</li><li>• any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms";</li><li>• the statements in (and/or attached to) this, hereinafter "the statements in this";</li><li>• and the past tense will be used in lieu of mixed past/present tense questions and statements.</li></ul>
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QUESTIONS

Action 293695

**QUESTIONS**

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 293695
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS****Prerequisites**

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	[fAPP2122936830] Grobe CS

**Determination of Reporting Requirements**

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 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**

Please provide the mole percent for the percentage questions in this group.

Methane (CH4) percentage	73
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	2
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	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 293695

QUESTIONS (continued)

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 293695
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	12/10/2023
Time vent or flare was discovered or commenced	06:38 AM
Time vent or flare was terminated	08:34 AM
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: Equipment Failure   Gas Compressor Station   Natural Gas Flared   Released: 142 Mcf   Recovered: 0 Mcf   Lost: 142 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 the compression unit going down on low oil pressure. Low pressures from the field caused the unit to falsely shutdown on low oil pressure.
Steps taken to limit the duration and magnitude of vent or flare	Operations responded immediately to the unexpected shutdown. The unit was restarted as expeditiously as possible.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Unit was restarted and the flaring ceased.



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ACKNOWLEDGMENTS

Action 293695

**ACKNOWLEDGMENTS**

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	Action Number: 293695
	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

Action 293695

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	Action Number: 293695
	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.	12/12/2023