

# Gas Composition and Properties

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

Source #: 0233152

Name: Grobe Inlet

Component	Mole %	Liquid Content	Mass %
Carbon Dioxide (CO2)	1.9052		3.6584
Nitrogen (N2)	1.6790		2.0522
Methane (C1)	73.8016		51.6579
Ethane (C2)	10.0718	2.6892	13.2137
Propane (C3)	6.4676	1.7789	12.4434
Isobutane (IC4)	0.6640	0.2169	1.6839
n-Butane (NC4)	2.3108	0.7273	5.8601
Isopentane (IC5)	0.5381	0.1965	1.6939
n-Pentane (NC5)	0.7823	0.2831	2.4626
Hexanes Plus (C6+)	0.9738	0.4338	4.0757
Argon (Ar)			
Carbon Monoxide (CO)			
Hydrogen (H2)			
Oxygen (O2)			
Helium (He)			
Water (H2O)			
Hydrogen Sulfide (H2S)	0.8058		1.1982
Totals	100.0000	6.3250	100.0000

Property	Total Sample
Pressure Base	14.65
Temperature Base	60
HCDP @ Sample Pressure	
Cricondentherm	
HV, Dry @ Base P, T	1293.94
HV, Sat @ Base P, T	1271.30
HV, Sat @ Sample P, T	
Relative Density	0.7942

C6+: 48 - 36 - 17

## Sample

Date: 03/22/2023

Type: Spot

Tech: John B

Pressure:

20.1 psi

Temp.:

65 °F

Gauge:

H2O:

Atm. Pressure:

H2S:

8,058 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
5/28/23 0:00	0.000	22.546	64.387	0.000	0.000
5/28/23 1:00	0.000	22.679	62.768	0.000	0.000
5/28/23 2:00	0.000	22.731	61.272	0.000	0.000
5/28/23 3:00	0.000	22.720	60.782	0.000	0.000
5/28/23 4:00	0.000	22.537	60.614	0.000	0.000
5/28/23 5:00	0.000	22.824	59.693	0.000	0.000
5/28/23 6:00	0.000	22.848	60.060	0.000	0.000
5/28/23 7:00	0.000	22.913	61.737	0.000	0.000
5/28/23 8:00	0.000	24.441	68.791	0.000	0.000
5/28/23 9:00	0.000	24.101	78.731	0.000	0.000
5/28/23 10:00	0.000	23.647	87.349	0.000	0.000
5/28/23 11:00	0.000	23.341	93.501	0.000	0.000
5/28/23 12:00	0.000	23.367	97.455	0.000	0.000
5/28/23 13:00	0.000	23.385	101.074	0.000	0.000
5/28/23 14:00	0.000	23.427	104.892	0.000	0.000
5/28/23 15:00	0.000	23.484	104.950	0.000	0.000
5/28/23 16:00	0.000	23.706	101.980	0.000	0.000
5/28/23 17:00	0.000	23.613	93.974	0.000	0.000
5/28/23 18:00	0.000	27.121	78.073	0.000	0.000
5/28/23 19:00	7.187	34.440	70.264	42.672	51931.340
5/28/23 20:00	4.593	34.551	72.690	49.980	60826.190
5/28/23 21:00	5.491	34.550	72.708	42.306	51486.870
5/28/23 22:00	0.000	27.514	69.208	0.000	0.000
5/28/23 23:00	0.000	25.599	65.163	0.000	0.000
<b>Avg/Total:</b>	0.72	25.09	77.17	134.9584	164244.4000

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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
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DEFINITIONS

Action 222679

DEFINITIONS

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 222679
	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 222679

**QUESTIONS**

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 222679
	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	74
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	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 222679

QUESTIONS (continued)

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	Action Number: 222679
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	05/28/2023
Time vent or flare was discovered or commenced	07:23 PM
Time vent or flare was terminated	09:43 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: Lightning   Gas Compressor Station   Natural Gas Flared   Released: 135 Mcf   Recovered: 0 Mcf   Lost: 135 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	Grobe compressor station flared due to a storm in the area knocking units down. This event could not have been foreseen or prevented.
Steps taken to limit the duration and magnitude of vent or flare	There was no corrective action required by Targa; a storm event is outside Targa's control.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Once storm was over and all parameters were cleared, the emission event ended.

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ACKNOWLEDGMENTS

Action 222679

**ACKNOWLEDGMENTS**

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	Action Number: 222679
	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 222679

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	Action Number: 222679
	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.	6/1/2023