

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
5/28/23 0:00	0.000	12.600	61.477	0.000
5/28/23 1:00	0.000	12.592	61.503	0.000
5/28/23 2:00	131.759	31.812	60.403	54.393
5/28/23 3:00	123.041	31.528	62.000	46.970
5/28/23 4:00	124.020	17.371	63.724	52.056
5/28/23 5:00	132.153	17.988	63.817	60.373
5/28/23 6:00	132.219	17.984	63.625	60.351
5/28/23 7:00	132.484	24.278	63.010	71.936
5/28/23 8:00	132.942	28.155	64.590	78.414
5/28/23 9:00	131.889	25.494	65.339	31.938
5/28/23 10:00	0.000	12.607	75.906	0.000
5/28/23 11:00	0.000	12.602	82.691	0.000
5/28/23 12:00	0.000	12.594	87.110	0.000
5/28/23 13:00	0.000	12.584	89.681	0.000
5/28/23 14:00	0.000	12.579	90.488	0.000
5/28/23 15:00	0.000	12.567	85.698	0.000
5/28/23 16:00	0.000	12.558	82.291	0.000
5/28/23 17:00	0.000	12.553	81.713	0.000
5/28/23 18:00	0.000	12.549	79.711	0.000
5/28/23 19:00	0.000	12.562	74.291	0.000
5/28/23 20:00	0.000	12.580	67.415	0.000
5/28/23 21:00	0.000	12.587	63.514	0.000
5/28/23 22:00	0.000	12.588	62.159	0.000
5/28/23 23:00	0.000	12.588	60.461	0.000
Avg/Total:	43.35	16.50	71.36	456.4300

VRSDO.UIS

Energy MBTU	FlowTime sec
0.000	0.000
0.000	0.000
65923.730	2331.000
56927.320	2104.000
63092.400	3314.000
73171.490	3600.000
73145.250	3600.000
87186.200	3600.000
95037.550	3600.000
38709.280	1559.000
0.000	0.000
0.000	0.000
0.000	0.000
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553193.2200	23708.0000

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
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Oil Conservation Division
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DEFINITIONS

Action 221644

DEFINITIONS

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 221644
	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 221644

QUESTIONS

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	Action Number: 221644
	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	[fPAC0608141749] Targa Vada Compressor Station

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 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	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
<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 221644

QUESTIONS (continued)

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	Action Number: 221644
	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	02:21 AM
Time vent or flare was terminated	09:26 AM
Cumulative hours during this event	7

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: 456 Mcf Recovered: 0 Mcf Lost: 456 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 at Targa's Vada compressor station due to loose belts on Unit #2 which caused high discharge pressure and temperature. Gas was routed to flare to protect personnel and equipment
Steps taken to limit the duration and magnitude of vent or flare	Operations responded immediately to shutdown to troubleshoot Unit #2. Once the belts were replaced on the unit, the emission event ended.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	The belts were replaced on Unit #2 and the compressor was returned to service.

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ACKNOWLEDGMENTS

Action 221644

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	Action Number: 221644
	Action Type: [C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

☒	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.
☒	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.
☒	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.
☒	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.
☒	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: 221644
	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.	5/30/2023