

SHIPPING ADDRESS:
2800 WESTOVER STREET
ODESSA, TEXAS 79764



BILLING ADDRESS:
P.O. BOX 69210
ODESSA, TEXAS 79769-0210

LABORATORY IN ODESSA
PHONE (432) 337-4744 | FAX (432) 337-8781

08/20/21

EXTENDED GAS ANALYSIS

LAB 60793

TARGA: VADA
INLET: 139100009

	MOL %	GPM
HYDROGEN SULFIDE	0.3669	0.000
NITROGEN	3.6197	0.000
METHANE	75.0794	0.000
CARBON DIOXIDE	2.1242	0.000
ETHANE	8.6900	2.320
PROPANE	4.7834	1.316
ISO-BUTANE	0.7911	0.258
N-BUTANE	1.6131	0.508
ISO-PENTANE	0.5141	0.188
N-PENTANE	0.4882	0.177
NEOHEXANE	0.0114	0.005
CYCLOPENTANE	0.0559	0.017
2-METHYLPENTANE	0.1323	0.055
3-METHYLPENTANE	0.0805	0.033
N-HEXANE	0.1909	0.078
METHYLCYCLOPENTANE	0.1158	0.041
BENZENE	0.0654	0.018
CYCLOHEXANE	0.1384	0.047
2-METHYLHEXANE	0.0095	0.004
3-METHYLHEXANE	0.1193	0.055
DIMETHYLCYCLOPENTANES	0.0885	0.036
N-HEPTANE	0.1168	0.054
METHYLCYCLOHEXANE	0.1987	0.080
TRIMETHYLCYCLOPENTANES	0.0144	0.007
TOLUENE	0.1048	0.035
2-METHYLHEPTANE	0.0766	0.039
3-METHYLHEPTANE	0.0027	0.001
DIMETHYLCYCLOHEXANES	0.0477	0.022
N-OCTANE	0.0614	0.031
ETHYL BENZENE	0.0175	0.007
M&P-XYLENES	0.0551	0.021
O-XYLENE	0.0152	0.006
C9 NAPHTHENES	0.0315	0.017
C9 PARAFFINS	0.0854	0.050
N-NONANE	0.0176	0.011
N-DECANE	0.0061	0.004
UNDECANE PLUS	0.0705	0.047
TOTALS	100.0000	5.588

SPECIFIC GRAVITY 0.793
GROSS DRY BTU/CU.FT. 1255.8
GROSS WET BTU/CU.FT. 1234.4
TOTAL MOL. WT. 22.867
MOL. WT. C6+ 98.721
SP. GRAVITY C6+ 4.020
MOL. WT. C7+ 109.126
SP. GRAVITY C7+ 4.721
BASIS: 14.65 PSIA @ 60 °F

SAMPLED: 08/18/21
30 PSI @ 84 °F
RUN: 08/19/21

SPOT SR
CYLINDER: 376

DISTRIBUTION: MR JOSEPH AUSTIN
3669.4 PPM H2S

Meter ID: 139100004		Location Vada Low Pressure Flare			VRSDO.UIS	
	DP	SP	Temp	Volume	Energy	FlowTime
	inH2O	psi	F	MCF	MBTU	sec
6/2/22 0:00	0.000	12.634	54.722	0.000	0.000	0.000
6/2/22 1:00	0.000	12.631	54.537	0.000	0.000	0.000
6/2/22 2:00	0.000	12.628	54.266	0.000	0.000	0.000
6/2/22 3:00	0.000	12.633	54.875	0.000	0.000	0.000
6/2/22 4:00	0.000	12.636	54.245	0.000	0.000	0.000
6/2/22 5:00	0.000	12.639	53.777	0.000	0.000	0.000
6/2/22 6:00	0.000	12.648	53.852	0.000	0.000	0.000
6/2/22 7:00	0.000	12.653	55.231	0.000	0.000	0.000
6/2/22 8:00	120.167	27.783	62.677	64.940	78707.760	3167.000
6/2/22 9:00	0.000	13.001	64.480	0.000	0.000	0.000
6/2/22 10:00	0.000	12.650	69.159	0.000	0.000	0.000
6/2/22 11:00	0.000	12.646	75.441	0.000	0.000	0.000
6/2/22 12:00	0.000	12.641	74.553	0.000	0.000	0.000
6/2/22 13:00	0.000	12.634	73.993	0.000	0.000	0.000
6/2/22 14:00	0.000	12.624	76.596	0.000	0.000	0.000
6/2/22 15:00	0.000	12.614	77.903	0.000	0.000	0.000
6/2/22 16:00	0.000	12.601	81.546	0.000	0.000	0.000
6/2/22 17:00	0.000	12.589	80.099	0.000	0.000	0.000
6/2/22 18:00	0.000	12.584	75.410	0.000	0.000	0.000
6/2/22 19:00	0.000	12.592	70.391	0.000	0.000	0.000
6/2/22 20:00	0.000	12.601	68.448	0.000	0.000	0.000
6/2/22 21:00	0.000	12.618	67.959	0.000	0.000	0.000
6/2/22 22:00	0.000	12.632	59.486	0.000	0.000	0.000
6/2/22 23:00	0.000	12.608	55.328	0.000	0.000	0.000
Avg/Total:	5.01	13.27	65.37	64.9404	78707.7600	3167.0000

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
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DEFINITIONS

Action 117957

DEFINITIONS

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 117957
	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 117957

QUESTIONS

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 117957
	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	Not answered.
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	75
Nitrogen (N2) percentage, if greater than one percent	4
Hydrogen Sulfide (H2S) PPM, rounded up	3,669
Carbon Dioxide (CO2) percentage, if greater than one percent	2
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 117957

QUESTIONS (continued)

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	Action Number: 117957
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	06/02/2022
Time vent or flare was discovered or commenced	08:00 AM
Time vent or flare was terminated	08:53 AM
Cumulative hours during this event	1

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: 65 Mcf Recovered: 0 Mcf Lost: 65 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 flared to protect personnel and equipment when the facility lost compression due to the air compressor unexpectedly shut down. The air compressor shut down due to failed fuses on the main disconnect. Fuses are electrical components whose lifetime cannot be predetermined or estimated.
Steps taken to limit the duration and magnitude of vent or flare	Gas was flared until the failed fuses could be replaced and compression could be restarted.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	The failed fuses were replaced. The air compressor was restarted, and gas compression was restarted once the air compressor was operating normally. When gas compression was restarted, normal operations resumed, and flaring ceased.

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ACKNOWLEDGMENTS

Action 117957

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	Action Number: 117957
	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

Action 117957

CONDITIONS

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	Action Number: 117957
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
tillmana	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.	6/16/2022