

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

08/16/22

## EXTENDED GAS ANALYSIS

LAB 65601

TARGA: BUCKEYE

INLET: 83830007

	MOL %	GPM
HYDROGEN SULFIDE	0.5171	0.000
NITROGEN	2.1120	0.000
METHANE	80.3126	0.000
CARBON DIOXIDE	2.8004	0.000
ETHANE	6.4724	1.728
PROPANE	3.6699	1.009
ISO-BUTANE	0.4845	0.158
N-BUTANE	1.2157	0.383
ISO-PENTANE	0.3691	0.135
N-PENTANE	0.3641	0.132
NEOHEXANE	0.0087	0.004
CYCLOPENTANE	0.0456	0.013
2-METHYLPENTANE	0.0830	0.034
3-METHYLPENTANE	0.0553	0.023
N-HEXANE	0.1052	0.043
METHYLCYCLOPENTANE	0.0820	0.029
BENZENE	0.0749	0.021
CYCLOHEXANE	0.1063	0.036
2-METHYLHEXANE	0.0047	0.002
3-METHYLHEXANE	0.0582	0.027
DIMETHYLCYCLOPENTANES	0.0640	0.026
N-HEPTANE	0.0579	0.027
METHYLCYCLOHEXANE	0.1220	0.049
TRIMETHYLCYCLOPENTANES	0.0083	0.004
TOLUENE	0.1213	0.041
2-METHYLHEPTANE	0.0573	0.029
3-METHYLHEPTANE	0.0025	0.001
DIMETHYLCYCLOHEXANES	0.0420	0.019
N-OCTANE	0.0623	0.032
ETHYL BENZENE	0.0375	0.014
M&P-XYLENES	0.0946	0.037
O-XYLENE	0.0301	0.012
C9 NAPHTHENES	0.0709	0.038
C9 PARAFFINS	0.1080	0.063
N-NONANE	0.0470	0.029
N-DECANE	0.0150	0.010
UNDECANE PLUS	0.1176	0.078
TOTALS	100.0000	4.286

SPECIFIC GRAVITY 0.752  
GROSS DRY BTU/CU.FT. 1198.9  
GROSS WET BTU/CU.FT. 1178.4  
TOTAL MOL. WT. 21.717  
MOL. WT. C6+ 104.055  
SP. GRAVITY C6+ 4.355  
MOL. WT. C7+ 114.530  
SP. GRAVITY C7+ 5.108  
BASIS: 14.65 PSIA @ 60 °F

SAMPLED: 08/10/22  
12 PSI @ 81 °F  
RUN: 08/11/22  
SPOT SR  
CYLINDER: 518  
DISTRIBUTION: MR JOSEPH AUSTIN  
5171.06 PPM H2S

Meter ID: 830009

Location Buckeye Flare

VRSDO.UIS

	DP	SP	Temp	Volume	Energy	FlowTime
	inH2O	psi	F	MCF	MBTU	sec
8/2/23 0:00	0.000	21.453	72.272	0.000	0.000	0.000
8/2/23 1:00	0.000	21.484	72.375	0.000	0.000	0.000
8/2/23 2:00	0.000	21.620	71.673	0.000	0.000	0.000
8/2/23 3:00	0.000	21.641	70.327	0.000	0.000	0.000
8/2/23 4:00	0.000	21.606	69.968	0.000	0.000	0.000
8/2/23 5:00	100.396	31.137	69.415	0.284	339.321	6.000
8/2/23 6:00	0.000	38.826	69.647	0.000	0.000	0.000
8/2/23 7:00	6.532	42.854	74.581	15.855	18946.770	997.000
8/2/23 8:00	2.085	42.643	81.182	6.532	7805.797	689.000
8/2/23 9:00	2.849	42.661	84.838	22.643	27057.860	2170.000
8/2/23 10:00	2.281	42.653	90.704	8.565	10235.730	872.000
8/2/23 11:00	4.195	42.807	93.733	7.294	8716.221	554.000
8/2/23 12:00	128.546	32.234	99.828	0.322	385.039	6.000
8/2/23 13:00	27.586	43.491	99.135	27.503	32866.360	827.000
8/2/23 14:00	0.000	27.559	102.244	0.000	0.000	0.000
8/2/23 15:00	0.000	22.628	105.529	0.000	0.000	0.000
8/2/23 16:00	0.000	22.157	104.830	0.000	0.000	0.000
8/2/23 17:00	0.000	21.976	102.200	0.000	0.000	0.000
8/2/23 18:00	0.000	21.946	96.920	0.000	0.000	0.000
8/2/23 19:00	0.000	21.880	92.648	0.000	0.000	0.000
8/2/23 20:00	0.000	21.855	87.282	0.000	0.000	0.000
8/2/23 21:00	0.000	21.760	83.681	0.000	0.000	0.000
8/2/23 22:00	0.000	21.754	81.454	0.000	0.000	0.000
8/2/23 23:00	0.000	21.755	79.944	0.000	0.000	0.000
<b>Avg/Total:</b>	11.44	28.85	85.68	88.9984	106353.0985	6121.0000

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**Oil Conservation Division**  
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DEFINITIONS

Action 251651

DEFINITIONS

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 251651
	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 251651

**QUESTIONS**

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 251651
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

<b>Prerequisites</b> <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	[fPAC0614251161] Targa Buckeye Booster Station

<b>Determination of Reporting Requirements</b> <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 <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> <i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	80
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	5,171
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 251651

**QUESTIONS (continued)**

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 251651
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	08/02/2023
Time vent or flare was discovered or commenced	06:00 AM
Time vent or flare was terminated	01:14 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: Equipment Failure   Gas Compressor Station   Natural Gas Flared   Released: 89 Mcf   Recovered: 0 Mcf   Lost: 89 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 when compression at the facility automatically shut down due to failed cooling fan bearings. The cooling fan bearings are checked monthly; during the last check in July 2023 the cooling fan bearings were found to be working properly. The bearings are greased during each yearly PM. The last PM on this unit was in May 2023. Gas was flared to protect personnel and equipment.
Steps taken to limit the duration and magnitude of vent or flare	Gas was flared until the cooling fan bearings were replaced and normal operations resumed.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	The cooling fan bearings were replaced. Compression was restarted, normal operations resumed, and flaring ceased.



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ACKNOWLEDGMENTS

Action 251651

**ACKNOWLEDGMENTS**

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	Action Number: 251651
	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 251651

CONDITIONS

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 251651
	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.	8/14/2023