

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 65605

TARGA: VADA  
LOW PRESSURE INLET: 139100005

	MOL %	GPM
HYDROGEN SULFIDE	0.7838	0.000
NITROGEN	2.9428	0.000
METHANE	71.8771	0.000
CARBON DIOXIDE	3.6521	0.000
ETHANE	9.9048	2.645
PROPANE	5.6752	1.561
ISO-BUTANE	0.8463	0.277
N-BUTANE	1.8038	0.568
ISO-PENTANE	0.5626	0.205
N-PENTANE	0.5407	0.196
NEOHEXANE	0.0136	0.006
CYCLOPENTANE	0.0496	0.015
2-METHYLPENTANE	0.1134	0.047
3-METHYLPENTANE	0.0665	0.027
N-HEXANE	0.1463	0.060
METHYLCYCLOPENTANE	0.0852	0.030
BENZENE	0.0428	0.012
CYCLOHEXANE	0.1011	0.034
2-METHYLHEXANE	0.0402	0.019
3-METHYLHEXANE	0.0422	0.019
DIMETHYLCYCLOPENTANES	0.0545	0.022
N-HEPTANE	0.0684	0.032
METHYLCYCLOHEXANE	0.1263	0.051
TRIMETHYLCYCLOPENTANES	0.0093	0.004
TOLUENE	0.0577	0.019
2-METHYLHEPTANE	0.0447	0.023
3-METHYLHEPTANE	0.0017	0.001
DIMETHYLCYCLOHEXANES	0.0298	0.013
N-OCTANE	0.0417	0.021
ETHYL BENZENE	0.0113	0.004
M&P-XYLENES	0.0403	0.016
O-XYLENE	0.0121	0.005
C9 NAPHTHENES	0.0341	0.018
C9 PARAFFINS	0.0602	0.035
N-NONANE	0.0196	0.012
N-DECANE	0.0098	0.006
UNDECANE PLUS	0.0884	0.059
TOTALS	100.0000	6.062

SPECIFIC GRAVITY 0.813  
GROSS DRY BTU/CU.FT. 1256.2  
GROSS WET BTU/CU.FT. 1234.8  
TOTAL MOL. WT. 23.461  
MOL. WT. C6+ 100.270  
SP. GRAVITY C6+ 4.102  
MOL. WT. C7+ 113.186  
SP. GRAVITY C7+ 4.988  
BASIS: 14.65 PSIA @ 60 °F

SAMPLED: 08/10/22  
19 PSI @ 80 °F  
RUN: 08/11/22  
SPOT SR  
CYLINDER: 65  
DISTRIBUTION: MR JOSEPH AUSTIN  
7837.94 PPM H2S

Meter ID: 139100004		Location Vada Low Pressure Flare			VRSDO.UIS	
	DP	SP	Temp	Volume	Energy	FlowTime
	inH2O	psi	F	MCF	MBTU	sec
2/25/23 0:00	0.000	12.672	33.082	0.000	0.000	0.000
2/25/23 1:00	0.000	12.667	30.448	0.000	0.000	0.000
2/25/23 2:00	0.000	12.660	29.755	0.000	0.000	0.000
2/25/23 3:00	0.000	12.663	29.726	0.000	0.000	0.000
2/25/23 4:00	0.000	12.662	28.231	0.000	0.000	0.000
2/25/23 5:00	37.978	14.217	29.457	1.953	2366.745	267.000
2/25/23 6:00	42.453	14.319	36.852	11.147	13510.050	1430.000
2/25/23 7:00	53.732	15.034	41.083	20.501	24846.700	2219.000
2/25/23 8:00	68.967	15.985	42.618	10.835	13131.860	968.000
2/25/23 9:00	0.000	12.672	48.091	0.000	0.000	0.000
2/25/23 10:00	0.000	12.664	53.562	0.000	0.000	0.000
2/25/23 11:00	0.000	12.657	58.354	0.000	0.000	0.000
2/25/23 12:00	0.000	12.641	64.272	0.000	0.000	0.000
2/25/23 13:00	0.000	12.627	66.084	0.000	0.000	0.000
2/25/23 14:00	0.000	12.620	69.669	0.000	0.000	0.000
2/25/23 15:00	0.000	12.614	68.130	0.000	0.000	0.000
2/25/23 16:00	0.000	12.613	67.972	0.000	0.000	0.000
2/25/23 17:00	0.000	12.617	59.077	0.000	0.000	0.000
2/25/23 18:00	0.000	12.615	54.799	0.000	0.000	0.000
2/25/23 19:00	127.986	28.962	44.925	75.770	91833.600	3430.000
2/25/23 20:00	130.590	31.324	43.413	84.437	102337.800	3600.000
2/25/23 21:00	130.441	31.204	43.482	84.220	102074.500	3600.000
2/25/23 22:00	130.437	31.274	43.617	84.314	102188.200	3600.000
2/25/23 23:00	130.318	31.221	43.691	84.192	102040.600	3600.000
<b>Avg/Total:</b>	35.54	16.80	47.10	457.3681	554330.0550	22714.0000

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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

DEFINITIONS

Action 194980

DEFINITIONS

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 194980
	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 194980

**QUESTIONS**

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 194980
	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	[fPAC0608141749] Targa Vada Compressor 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 <b>at least 50 MCF</b> 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	72
Nitrogen (N2) percentage, if greater than one percent	3
Hydrogen Sulfide (H2S) PPM, rounded up	7,838
Carbon Dioxide (CO2) percentage, if greater than one percent	4
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 194980

QUESTIONS (continued)

Operator:  TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID:  24650
	Action Number:  194980
	Action Type:  [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	02/25/2023
Time vent or flare was discovered or commenced	07:03 PM
Time vent or flare was terminated	11:59 PM
Cumulative hours during this event	5

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: 413 Mcf   Recovered: 0 Mcf   Lost: 413 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 when a hydrate was discovered in the Vada discharge line. The Vada discharge line is pigged twice a day to prevent hydrate formation. The facility operates a glycol unit to remove moisture from the gas prior to the gas leaving the facility to also prevent hydrate formation. All conditions were normal prior to the shutdown. This event was unavoidable.
Steps taken to limit the duration and magnitude of vent or flare	Gas was flared until the hydrate was safely removed and the discharge line was returned to service.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Operations safely removed the hydrate. The discharge line was returned to normal service, normal operations resumed, and flaring ceased.

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ACKNOWLEDGMENTS

Action 194980

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	Action Number: 194980
	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 194980

CONDITIONS

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 194980
	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.	3/9/2023