

SHIPPING ADDRESS:  
2800 WESTOVER STREET  
ODESSA, TEXAS 79764



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

LABORATORIES IN ODESSA & GIDDINGS  
PHONE (432) 337-4744 | FAX (432) 337-8781

08/20/20

## EXTENDED GAS ANALYSIS

LAB # 56744

TARGA RESOURCES: VADA  
INLET: 139100005

	MOL %	GPM
HYDROGEN SULFIDE	0.6130	0.000
NITROGEN	4.5927	0.000
METHANE	66.3796	0.000
CARBON DIOXIDE	4.2110	0.000
ETHANE	10.0798	2.694
PROPANE	6.5327	1.799
ISO-BUTANE	0.9819	0.321
N-BUTANE	2.4370	0.768
ISO-PENTANE	0.7066	0.258
N-PENTANE	0.8150	0.295
NEOHEXANE	0.0153	0.006
CYCLOPENTANE	0.0990	0.029
2-METHYLPENTANE	0.2357	0.098
3-METHYLPENTANE	0.1395	0.057
N-HEXANE	0.3253	0.134
METHYLCYCLOPENTANE	0.1663	0.059
BENZENE	0.1187	0.033
CYCLOHEXANE	0.1550	0.053
2-METHYLHEXANE	0.0792	0.037
3-METHYLHEXANE	0.1162	0.053
DIMETHYLCYCLOPENTANES	0.1097	0.045
N-HEPTANE	0.1639	0.076
METHYLCYCLOHEXANE	0.2082	0.084
TRIMETHYLCYCLOPENTANES	0.0219	0.010
TOLUENE	0.1193	0.040
2-METHYLHEPTANE	0.1066	0.055
3-METHYLHEPTANE	0.0386	0.020
DIMETHYLCYCLOHEXANES	0.0820	0.037
N-OCTANE	0.0880	0.045
ETHYL BENZENE	0.0278	0.011
M&P-XYLENES	0.0568	0.022
O-XYLENE	0.0182	0.007
C9 NAPHTHENES	0.0406	0.022
C9 PARAFFINS	0.0623	0.036
N-NONANE	0.0183	0.011
N-DECANE	0.0029	0.002
UNDECANE PLUS	0.0354	0.024
TOTALS	100.0000	7.241

SPECIFIC GRAVITY 0.886  
GROSS DRY BTU/CU.FT. 1327.6  
GROSS WET BTU/CU.FT. 1304.9  
TOTAL MOL. WT. 25.534  
MOL. WT. C6+ 95.818  
SP. GRAVITY C6+ 3.852  
MOL. WT. C7+ 106.772  
SP. GRAVITY C7+ 4.565  
BASIS: 14.65 PSIA @ 60 °F

NOTES:  
SAMPLED: 08/18/2020  
10 PSIA @ 84 °F  
DATE RUN 08/19/2020  
SPOT BY: SR  
CYLINDER NO. 823  
DISTRIBUTION: MR ZACH MASON  
6130.09 PPM H2S

Meter ID: 139100004

Location Vada Low Pressure Flare

VRSDO.UIS

	DP	SP	Temp	Volume	Energy	FlowTime
	inH2O	psi	F	MCF	MBTU	sec
7/2/21 0:00	0.000	12.648	68.816	0.000	0.000	0.000
7/2/21 1:00	0.000	12.647	69.384	0.000	0.000	0.000
7/2/21 2:00	0.000	12.646	69.166	0.000	0.000	0.000
7/2/21 3:00	0.000	12.640	67.167	0.000	0.000	0.000
7/2/21 4:00	0.000	12.637	65.882	0.000	0.000	0.000
7/2/21 5:00	0.000	12.640	64.639	0.000	0.000	0.000
7/2/21 6:00	0.000	12.649	64.814	0.000	0.000	0.000
7/2/21 7:00	0.000	12.660	66.561	0.000	0.000	0.000
7/2/21 8:00	0.000	12.670	66.167	0.000	0.000	0.000
7/2/21 9:00	0.000	12.674	66.276	0.000	0.000	0.000
7/2/21 10:00	0.000	12.674	69.707	0.000	0.000	0.000
7/2/21 11:00	0.000	12.663	76.297	0.000	0.000	0.000
7/2/21 12:00	0.000	12.659	81.227	0.000	0.000	0.000
7/2/21 13:00	0.000	12.650	85.333	0.000	0.000	0.000
7/2/21 14:00	0.000	12.645	88.110	0.000	0.000	0.000
7/2/21 15:00	0.000	12.634	89.264	0.000	0.000	0.000
7/2/21 16:00	0.000	12.632	79.746	0.000	0.000	0.000
7/2/21 17:00	0.000	12.631	81.508	0.000	0.000	0.000
7/2/21 18:00	26.662	13.419	68.054	2.351	2849.986	341.000
7/2/21 19:00	128.331	26.468	69.239	73.951	89628.590	3600.000
7/2/21 20:00	98.808	23.902	69.458	17.217	20866.880	999.000
7/2/21 21:00	0.000	12.658	67.694	0.000	0.000	0.000
7/2/21 22:00	0.000	12.665	67.296	0.000	0.000	0.000
7/2/21 23:00	0.000	12.665	66.357	0.000	0.000	0.000
<b>Avg/Total:</b>	10.58	13.73	72.01	93.5193	113345.4560	4940.0000

**District I**

1625 N. French Dr., Hobbs, NM 88240  
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**District II**

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

QUESTIONS

Action 36257

**QUESTIONS**

Operator: TARGA MIDSTREAM SERVICES LLC 1000 Louisiana Houston, TX 77002	OGRID: 24650
	Action Number: 36257
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS****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 or is this venting or flaring caused by an emergency or malfunction	Yes
Did or will this venting or flaring last eight hours or more cumulatively within any 24-hour period from a single event	No
Is this considered a submission for a notification of a major venting or flaring	Yes, minor venting or flaring of natural gas.
<b>The operator shall file a form C-141 instead of a form C-129 for a release that includes liquid during venting or flaring that is or may be a major or minor release under 19.13.29.7 NMAC.</b>	
Was there or will there be at least 50 MCF of natural gas vented or flared during this event	Yes
Did this venting or flaring 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

**Unregistered Facility Site**

Please provide the facility details, if the venting or flaring occurred or is occurring at a facility that does not have an Facility ID (##) yet.

Facility or Site Name	Not answered.
Facility Type	Not answered.

**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	66
Nitrogen (N2) percentage, if greater than one percent	5
Hydrogen Sulfide (H2S) PPM, rounded up	6,130
Carbon Dioxide (CO2) percentage, if greater than one percent	4
Oxygen (O2) percentage, if greater than one percent	0
<b>If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.</b>	
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.

**Date(s) and Time(s)**

Date venting or flaring was discovered or commenced	07/02/2021
Time venting or flaring was discovered or commenced	06:54 PM
Is the venting or flaring event complete	Yes
Date venting or flaring was terminated	07/02/2021
Time venting or flaring was terminated	08:17 PM
Total duration of venting or flaring in hours, if venting or flaring has terminated	1
Longest duration of cumulative hours within any 24-hour period 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: Power Failure   Gas Compressor Station   Natural Gas Flared   Spilled: 94 Mcf   Recovered: 0 Mcf   Lost: 94 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 Mcf values reported)	Yes, according to supplied volumes this appears to be a "gas only" report.

**Venting or Flaring Resulting from Downstream Activity**

Was or is this venting or flaring a result of downstream activity	Not answered.
Date notified of downstream activity requiring this venting or flaring	Not answered.
Time notified of downstream activity requiring this venting or flaring	Not answered.

**Steps and Actions to Prevent Waste**

For this event, the operator could not have reasonably anticipated the current event and it was beyond the operator's control.	True
Please explain reason for why this event was beyond your operator's control	Inlet gas was flared when the facility lost third party purchase power. Inlet gas was flared to protect personnel and equipment. The facility was being properly operated when the facility lost third party purchase power.
Steps taken to limit the duration and magnitude of venting or flaring	Inlet gas was flared until the third party purchase power could be restored.
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	There was no corrective action required by Targa; this was a third party event outside Targa's control. When third party purchase power was restored, normal operations resumed and flaring ceased.

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CONDITIONS  
  
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	Action Number: 36257
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
system	If the information provided in this report requires an amendment, submit a [C-129] Request to Amend Venting and/or Flaring Incident, utilizing your incident number from this event.	7/14/2021