

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
8/2/21 0:00	0.000	12.725	63.726	0.000	0.000	0.000
8/2/21 1:00	0.000	12.718	62.674	0.000	0.000	0.000
8/2/21 2:00	0.000	12.717	61.501	0.000	0.000	0.000
8/2/21 3:00	0.000	12.717	62.192	0.000	0.000	0.000
8/2/21 4:00	0.000	12.714	62.515	0.000	0.000	0.000
8/2/21 5:00	0.000	12.715	63.351	0.000	0.000	0.000
8/2/21 6:00	12.308	13.095	69.536	6.836	8285.452	1556.000
8/2/21 7:00	68.695	14.767	72.612	40.408	48974.090	3600.000
8/2/21 8:00	79.800	15.071	72.659	43.725	52994.640	3600.000
8/2/21 9:00	97.910	15.802	73.146	48.883	59245.620	3600.000
8/2/21 10:00	91.133	15.416	73.837	46.732	56639.260	3600.000
8/2/21 11:00	123.744	17.307	75.034	56.787	68825.520	3600.000
8/2/21 12:00	123.911	16.892	75.046	54.282	65789.740	3494.000
8/2/21 13:00	127.091	19.894	76.184	24.846	30113.130	1445.000
8/2/21 14:00	126.509	17.181	75.673	57.014	69100.750	3600.000
8/2/21 15:00	128.532	17.155	76.205	57.309	69458.950	3600.000
8/2/21 16:00	131.388	17.635	76.062	58.801	71266.860	3600.000
8/2/21 17:00	127.678	17.026	75.786	56.924	68991.310	3600.000
8/2/21 18:00	122.705	17.059	74.897	56.100	67992.980	3600.000
8/2/21 19:00	85.802	15.204	73.870	45.151	54722.850	3600.000
8/2/21 20:00	72.981	14.861	72.883	41.403	50180.030	3600.000
8/2/21 21:00	60.565	14.466	72.481	37.917	45955.360	3600.000
8/2/21 22:00	73.684	14.886	72.223	41.825	50692.010	3600.000
8/2/21 23:00	71.644	14.940	72.025	41.081	49789.920	3600.000
Avg/Total:	71.92	15.21	71.09	816.0218	989018.4720	60495.0000

Meter ID: 139100004

Location Vada Low Pressure Flare

VRSDO.UIS

	DP	SP	Temp	Volume	Energy	FlowTime
	inH2O	psi	F	MCF	MBTU	sec
8/3/21 0:00	107.475	16.445	72.024	52.076	63115.880	3600.000
8/3/21 1:00	76.490	15.016	71.852	42.473	51476.980	3600.000
8/3/21 2:00	41.590	13.896	71.400	31.355	38002.670	3600.000
8/3/21 3:00	45.935	14.033	71.108	32.285	39129.800	3600.000
8/3/21 4:00	34.576	13.693	70.747	28.577	34635.680	3600.000
8/3/21 5:00	37.787	13.790	70.844	29.201	35391.110	3600.000
8/3/21 6:00	67.778	14.667	71.314	39.814	48254.900	3600.000
8/3/21 7:00	121.079	16.905	72.449	31.381	38033.480	2047.000
8/3/21 8:00	0.000	12.695	73.362	0.000	0.000	0.000
8/3/21 9:00	0.000	12.692	80.031	0.000	0.000	0.000
8/3/21 10:00	0.000	12.688	85.865	0.000	0.000	0.000
8/3/21 11:00	0.000	12.684	90.584	0.000	0.000	0.000
8/3/21 12:00	0.000	12.678	91.848	0.000	0.000	0.000
8/3/21 13:00	0.000	12.670	93.341	0.000	0.000	0.000
8/3/21 14:00	0.000	12.662	94.816	0.000	0.000	0.000
8/3/21 15:00	0.000	12.651	95.251	0.000	0.000	0.000
8/3/21 16:00	0.000	12.644	94.533	0.000	0.000	0.000
8/3/21 17:00	0.000	12.641	92.546	0.000	0.000	0.000
8/3/21 18:00	0.000	12.638	88.190	0.000	0.000	0.000
8/3/21 19:00	0.000	12.640	78.248	0.000	0.000	0.000
8/3/21 20:00	0.000	12.644	68.781	0.000	0.000	0.000
8/3/21 21:00	0.000	12.654	66.293	0.000	0.000	0.000
8/3/21 22:00	0.000	12.661	65.043	0.000	0.000	0.000
8/3/21 23:00	0.000	12.667	63.891	0.000	0.000	0.000
Avg/Total:	22.20	13.38	78.93	287.1621	348040.5000	27247.0000

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

QUESTIONS

Action 41990

QUESTIONS

Operator: TARGA MIDSTREAM SERVICES LLC 1000 Louisiana Houston, TX 77002	OGRID: 24650
	Action Number: 41990
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS**Prerequisites**

Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.

Incident Well	Not answered.
Incident Facility	[fPAC0608141749] Targa Vada Compressor Station

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 and/or flaring caused by an emergency or malfunction	Yes
Did or will this venting and/or flaring last eight hours or more cumulatively within any 24-hour period from a single event	Yes
Is this considered a submission for a notification of a major venting and/or flaring	Yes, major venting and/or flaring of natural gas.
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.	
Was there or will there be at least 50 MCF of natural gas vented and/or flared during this event	Yes
Did this venting and/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
Was the venting and/or flaring 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

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
If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.	
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 and/or flaring was discovered or commenced	08/02/2021
Time venting and/or flaring was discovered or commenced	06:34 AM
Time venting and/or flaring was terminated	07:34 AM
Cumulative hours during this event	24

Measured or Estimated Volume of Vented or Flared Natural Gas

Natural Gas Vented (Mcf) Details	Not answered.
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Natural Gas Flared (Mcf) Details	Cause: Midstream Emergency Maintenance Gas Compressor Station Natural Gas Flared Released: 1,103 Mcf Recovered: 0 Mcf Lost: 1,103 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 or is this venting and/or flaring a result of downstream activity	Yes
Date notified of downstream activity requiring this venting and/or flaring	08/02/2021
Time notified of downstream activity requiring this venting and/or flaring	08:00 AM

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	Reduced inlet gas capacity was experienced and inlet gas was flared to protect equipment and personnel due to a downstream shutdown of a third party facility. Durango (the third party) is the outlet for the Targa Vada Compressor Station. Targa was informed after the event started. The Monument Plant was being properly operated when Durango's downstream facility shut down.
Steps taken to limit the duration and magnitude of venting and/or flaring	Inlet gas was flared until the downstream Durango shutdown was over.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	There were no corrective measures required by Targa. The Targa facility was being operated properly; Targa was informed after this event had started.

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CONDITIONS

Action 41990

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Operator: TARGA MIDSTREAM SERVICES LLC 1000 Louisiana Houston, TX 77002	OGRID: 24650
	Action Number: 41990
	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.	8/16/2021