

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
8/23/21 0:00	0.000	12.628	67.173	0.000	0.000	0.000
8/23/21 1:00	0.000	12.623	67.691	0.000	0.000	0.000
8/23/21 2:00	0.000	12.620	67.317	0.000	0.000	0.000
8/23/21 3:00	0.000	12.619	65.645	0.000	0.000	0.000
8/23/21 4:00	0.000	12.622	64.091	0.000	0.000	0.000
8/23/21 5:00	0.000	12.627	64.211	0.000	0.000	0.000
8/23/21 6:00	0.000	12.634	64.411	0.000	0.000	0.000
8/23/21 7:00	0.000	12.640	70.382	0.000	0.000	0.000
8/23/21 8:00	0.000	12.644	78.151	0.000	0.000	0.000
8/23/21 9:00	0.000	12.640	86.470	0.000	0.000	0.000
8/23/21 10:00	0.000	12.647	91.117	0.000	0.000	0.000
8/23/21 11:00	0.000	12.637	96.395	0.000	0.000	0.000
8/23/21 12:00	59.558	14.581	82.267	28.214	34195.660	2955.000
8/23/21 13:00	70.991	15.316	75.386	38.361	46493.130	3482.000
8/23/21 14:00	70.357	22.158	77.292	48.098	58294.370	3600.000
8/23/21 15:00	138.060	33.623	71.822	87.563	106126.000	3600.000
8/23/21 16:00	115.780	27.834	71.717	64.594	78288.250	3237.000
8/23/21 17:00	30.151	13.717	69.845	8.933	10826.650	1493.000
8/23/21 18:00	31.095	14.015	74.697	10.395	12598.500	1614.000
8/23/21 19:00	18.744	13.347	71.493	6.901	8363.604	1463.000
8/23/21 20:00	110.791	29.643	67.096	46.571	56443.840	2305.000
8/23/21 21:00	134.980	34.513	64.173	88.616	107403.100	3600.000
8/23/21 22:00	134.263	33.963	67.417	87.323	105835.800	3600.000
8/23/21 23:00	129.219	32.151	68.559	82.863	100430.400	3600.000
Avg/Total:	43.50	18.19	72.70	598.4318	725299.3040	34549.0000

District I1625 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 44018

QUESTIONS

Operator: TARGA MIDSTREAM SERVICES LLC 1000 Louisiana Houston, TX 77002	OGRID: 24650
	Action Number: 44018
	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	08/23/2021
Time venting and/or flaring was discovered or commenced	12:11 PM
Time venting and/or flaring was terminated	11:59 PM
Cumulative hours during this event	10

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: 598 Mcf Recovered: 0 Mcf Lost: 598 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	08/23/2021
Time notified of downstream activity requiring this venting and/or flaring	12:11 PM

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 gas capacity was experienced and inlet gas was flared to protect equipment and personnel when third party Durango had an emergency maintenance event down stream of Targa's facility. Durango is the outlet for the Vada CS. Targa was informed after flaring began. The Vada CS was being properly operated when Durango's facility shut down.
Steps taken to limit the duration and magnitude of venting and/or flaring	Inlet gas was flared until Durango's shutdown was complete.
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 flaring began at Targa's facility.

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CONDITIONS

Action 44018

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Operator: TARGA MIDSTREAM SERVICES LLC 1000 Louisiana Houston, TX 77002	OGRID: 24650
	Action Number: 44018
	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.	8/24/2021