

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

08/20/21

EXTENDED GAS ANALYSIS

LAB 60793

TARGA: VADA
INLET: 139100009

	MOL %	GPM
HYDROGEN SULFIDE	0.3669	0.000
NITROGEN	3.6197	0.000
METHANE	75.0794	0.000
CARBON DIOXIDE	2.1242	0.000
ETHANE	8.6900	2.320
PROPANE	4.7834	1.316
ISO-BUTANE	0.7911	0.258
N-BUTANE	1.6131	0.508
ISO-PENTANE	0.5141	0.188
N-PENTANE	0.4882	0.177
NEOHEXANE	0.0114	0.005
CYCLOPENTANE	0.0559	0.017
2-METHYLPENTANE	0.1323	0.055
3-METHYLPENTANE	0.0805	0.033
N-HEXANE	0.1909	0.078
METHYLCYCLOPENTANE	0.1158	0.041
BENZENE	0.0654	0.018
CYCLOHEXANE	0.1384	0.047
2-METHYLHEXANE	0.0095	0.004
3-METHYLHEXANE	0.1193	0.055
DIMETHYLCYCLOPENTANES	0.0885	0.036
N-HEPTANE	0.1168	0.054
METHYLCYCLOHEXANE	0.1987	0.080
TRIMETHYLCYCLOPENTANES	0.0144	0.007
TOLUENE	0.1048	0.035
2-METHYLHEPTANE	0.0766	0.039
3-METHYLHEPTANE	0.0027	0.001
DIMETHYLCYCLOHEXANES	0.0477	0.022
N-OCTANE	0.0614	0.031
ETHYL BENZENE	0.0175	0.007
M&P-XYLENES	0.0551	0.021
O-XYLENE	0.0152	0.006
C9 NAPHTHENES	0.0315	0.017
C9 PARAFFINS	0.0854	0.050
N-NONANE	0.0176	0.011
N-DECANE	0.0061	0.004
UNDECANE PLUS	0.0705	0.047
TOTALS	100.0000	5.588

SPECIFIC GRAVITY 0.793
GROSS DRY BTU/CU.FT. 1255.8
GROSS WET BTU/CU.FT. 1234.4
TOTAL MOL. WT. 22.867
MOL. WT. C6+ 98.721
SP. GRAVITY C6+ 4.020
MOL. WT. C7+ 109.126
SP. GRAVITY C7+ 4.721
BASIS: 14.65 PSIA @ 60 °F

SAMPLED: 08/18/21
30 PSI @ 84 °F
RUN: 08/19/21

SPOT SR
CYLINDER: 376

DISTRIBUTION: MR JOSEPH AUSTIN
3669.4 PPM H2S

Meter ID: 139100004

Location Vada Low Pressure Flare

VRSDO.UIS

	DP	SP	Temp	Volume	Energy	FlowTime
	inH2O	psi	F	MCF	MBTU	sec
8/25/21 0:00	0.000	12.646	67.424	0.000	0.000	0.000
8/25/21 1:00	0.000	12.644	69.729	0.000	0.000	0.000
8/25/21 2:00	0.000	12.643	69.796	0.000	0.000	0.000
8/25/21 3:00	0.000	12.647	68.360	0.000	0.000	0.000
8/25/21 4:00	0.000	12.646	66.570	0.000	0.000	0.000
8/25/21 5:00	0.000	12.647	65.176	0.000	0.000	0.000
8/25/21 6:00	0.000	12.651	64.248	0.000	0.000	0.000
8/25/21 7:00	0.000	12.685	70.781	0.000	0.000	0.000
8/25/21 8:00	0.000	12.665	83.276	0.000	0.000	0.000
8/25/21 9:00	0.000	12.664	93.844	0.000	0.000	0.000
8/25/21 10:00	0.000	12.667	99.934	0.000	0.000	0.000
8/25/21 11:00	0.000	12.682	100.325	0.000	0.000	0.000
8/25/21 12:00	0.000	12.659	100.944	0.000	0.000	0.000
8/25/21 13:00	0.000	12.656	101.350	0.000	0.000	0.000
8/25/21 14:00	31.871	13.984	84.859	11.688	14166.280	1787.000
8/25/21 15:00	38.279	14.440	90.973	0.707	856.406	93.000
8/25/21 16:00	82.160	18.295	96.936	0.309	374.725	24.000
8/25/21 17:00	15.492	13.135	87.442	10.493	12717.290	2432.000
8/25/21 18:00	66.533	15.526	74.645	35.257	42731.970	3314.000
8/25/21 19:00	18.915	13.431	72.343	3.214	3895.098	704.000
8/25/21 20:00	23.508	13.470	73.328	16.794	20354.880	3066.000
8/25/21 21:00	24.113	13.751	68.504	1.220	1478.884	242.000
8/25/21 22:00	74.253	16.286	66.417	30.786	37313.070	2626.000
8/25/21 23:00	26.515	13.466	66.073	0.033	40.138	5.000
Avg/Total:	16.73	13.46	79.30	110.5022	133928.7401	14293.0000

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

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 44787

QUESTIONS

Operator: TARGA MIDSTREAM SERVICES LLC 1000 Louisiana Houston, TX 77002	OGRID: 24650
	Action Number: 44787
	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	No
Is this considered a submission for a notification of a major venting and/or flaring	Yes, minor 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	75
Nitrogen (N2) percentage, if greater than one percent	4
Hydrogen Sulfide (H2S) PPM, rounded up	3,669
Carbon Dioxide (CO2) percentage, if greater than one percent	2
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	08/25/2021
Time venting and/or flaring was discovered or commenced	02:30 PM
Time venting and/or flaring was terminated	11:00 PM
Cumulative hours during this event	4

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: 110 Mcf Recovered: 0 Mcf Lost: 110 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	08/25/2021
Time notified of downstream activity requiring this venting and/or flaring	02:30 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 experienced an unexpected shutdown at their downstream facility. Durango is the outlet for the Targa Vada CS. Targa was informed after the event occurred. 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 volumes was flared until Duango's shutdown ended.
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 the shutdown began.

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CONDITIONS

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Operator: TARGA MIDSTREAM SERVICES LLC 1000 Louisiana Houston, TX 77002	OGRID: 24650
	Action Number: 44787
	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.	8/27/2021