

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
5/31/21 0:00	0.000	12.617	58.195	0.000	0.000	0.000
5/31/21 1:00	0.000	12.614	57.857	0.000	0.000	0.000
5/31/21 2:00	0.000	12.628	58.119	0.000	0.000	0.000
5/31/21 3:00	0.000	12.632	58.639	0.000	0.000	0.000
5/31/21 4:00	112.740	21.625	61.342	56.516	68497.200	3278.000
5/31/21 5:00	131.294	28.397	60.669	77.878	94388.180	3578.000
5/31/21 6:00	131.165	21.261	61.273	27.029	32759.560	1462.000
5/31/21 7:00	0.000	12.644	58.556	0.000	0.000	0.000
5/31/21 8:00	0.000	12.644	60.428	0.000	0.000	0.000
5/31/21 9:00	0.000	12.640	59.315	0.000	0.000	0.000
5/31/21 10:00	0.000	12.672	55.491	0.000	0.000	0.000
5/31/21 11:00	59.430	14.406	59.265	6.800	8241.289	702.000
5/31/21 12:00	0.000	12.672	61.500	0.000	0.000	0.000
5/31/21 13:00	0.000	12.662	66.956	0.000	0.000	0.000
5/31/21 14:00	0.000	12.649	69.991	0.000	0.000	0.000
5/31/21 15:00	0.000	12.651	71.391	0.000	0.000	0.000
5/31/21 16:00	0.000	12.659	71.296	0.000	0.000	0.000
5/31/21 17:00	0.000	12.668	68.318	0.000	0.000	0.000
5/31/21 18:00	0.000	12.675	65.581	0.000	0.000	0.000
5/31/21 19:00	0.000	12.659	63.561	0.000	0.000	0.000
5/31/21 20:00	0.000	12.671	61.775	0.000	0.000	0.000
5/31/21 21:00	0.000	12.687	58.496	0.000	0.000	0.000
5/31/21 22:00	0.000	12.692	56.007	0.000	0.000	0.000
5/31/21 23:00	0.000	12.689	56.718	0.000	0.000	0.000
Avg/Total:	18.11	14.12	61.70	168.2230	203886.2290	9020.0000

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 31707

QUESTIONS

Operator: TARGA MIDSTREAM SERVICES LLC 1000 Louisiana Houston, TX 77002	OGRID: 24650
	Action Number: 31707
	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	Not answered.
Prerequisite conflict detected	The following conflicts were detected and must be resolved to submit this application: • identify the well and/or facility involved in the venting and/or flaring.

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 within 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	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

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	05/31/2021
Time venting and/or flaring was discovered or commenced	04:00 AM
Time venting and/or flaring was terminated	11:12 AM
Cumulative hours during this event	2

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 Released: 168 Mcf Recovered: 0 Mcf Lost: 168 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	Not answered.
Date notified of downstream activity requiring this venting and/or flaring	Not answered.
Time notified of downstream activity requiring this venting and/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. Inlet gas was flared until the third party purchase power could be restored.
Steps taken to limit the duration and magnitude of venting and/or flaring	There was no corrective action required by Targa; this was a third party event outside Targa's control.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	When third party purchase power was restored, normal operations resumed and flaring ceased.

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CONDITIONS

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	Action Number: 31707
	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.	6/14/2021