

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
7/18/21 0:00	0.000	12.687	68.373	0.000	0.000	0.000
7/18/21 1:00	0.000	12.689	67.747	0.000	0.000	0.000
7/18/21 2:00	0.000	12.688	67.047	0.000	0.000	0.000
7/18/21 3:00	0.000	12.684	64.986	0.000	0.000	0.000
7/18/21 4:00	0.000	12.687	65.556	0.000	0.000	0.000
7/18/21 5:00	0.000	12.701	65.323	0.000	0.000	0.000
7/18/21 6:00	0.000	12.704	64.703	0.000	0.000	0.000
7/18/21 7:00	0.000	12.698	65.044	0.000	0.000	0.000
7/18/21 8:00	0.000	12.706	66.182	0.000	0.000	0.000
7/18/21 9:00	0.000	12.708	70.365	0.000	0.000	0.000
7/18/21 10:00	0.000	12.715	77.427	0.000	0.000	0.000
7/18/21 11:00	0.000	12.716	81.648	0.000	0.000	0.000
7/18/21 12:00	0.000	12.706	83.738	0.000	0.000	0.000
7/18/21 13:00	0.000	12.700	90.482	0.000	0.000	0.000
7/18/21 14:00	65.154	14.904	81.712	24.337	29496.490	2385.000
7/18/21 15:00	106.637	16.964	77.055	52.137	63190.390	3600.000
7/18/21 16:00	111.012	17.597	75.775	54.460	66005.230	3600.000
7/18/21 17:00	119.862	19.073	75.443	59.118	71651.210	3600.000
7/18/21 18:00	120.850	18.895	74.645	59.081	71606.700	3600.000
7/18/21 19:00	96.909	16.589	74.124	49.444	59926.010	3600.000
7/18/21 20:00	41.226	13.900	73.399	29.907	36246.800	3600.000
7/18/21 21:00	9.750	12.989	72.956	12.744	15446.200	3373.000
7/18/21 22:00	0.000	12.703	70.169	0.000	0.000	0.000
7/18/21 23:00	0.000	12.705	67.788	0.000	0.000	0.000
Avg/Total:	27.97	13.92	72.57	341.2286	413569.0300	27358.0000

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 39225

QUESTIONS

Operator: TARGA MIDSTREAM SERVICES LLC 1000 Louisiana Houston, TX 77002	OGRID: 24650
	Action Number: 39225
	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.
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.	
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
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 or flaring was discovered or commenced	07/18/2021
Time venting or flaring was discovered or commenced	02:20 PM
Is the venting or flaring event complete	Yes
Date venting or flaring was terminated	07/18/2021
Time venting or flaring was terminated	09:56 PM
Total duration of venting or flaring in hours, if venting or flaring has terminated	7
Longest duration of cumulative hours within any 24-hour period during this event	7

Measured or Estimated Volume of Vented or Flared Natural Gas

Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Equipment Failure Gas Compressor Station Natural Gas Flared Spilled: 341 Mcf Recovered: 0 Mcf Lost: 341 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 a compressor automatically shut down due to a lubricator no flow shutdown. This was the result of debris in the lube line, which prevented the flow of lubricating oil to the compressor. Inlet gas was rerouted to flare to protect personnel and equipment.
Steps taken to limit the duration and magnitude of venting or flaring	Inlet gas was flared until the debris from the lube oil line could be removed and the unit could be restarted.
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	The unit was checked to ensure that it was safe to operate before restarting the unit. When the unit was verified safe to operate the unit was restarted and normal operation resumed. Flaring ceased.

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CONDITIONS

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Operator: TARGA MIDSTREAM SERVICES LLC 1000 Louisiana Houston, TX 77002	OGRID: 24650
	Action Number: 39225
	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.	8/2/2021