

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
6/30/21 0:00	0.000	12.677	64.461	0.000	0.000	0.000
6/30/21 1:00	0.000	12.672	64.810	0.000	0.000	0.000
6/30/21 2:00	0.000	12.671	64.812	0.000	0.000	0.000
6/30/21 3:00	0.000	12.668	64.945	0.000	0.000	0.000
6/30/21 4:00	0.000	12.668	64.849	0.000	0.000	0.000
6/30/21 5:00	0.000	12.669	64.775	0.000	0.000	0.000
6/30/21 6:00	0.000	12.675	64.981	0.000	0.000	0.000
6/30/21 7:00	0.000	12.681	66.529	0.000	0.000	0.000
6/30/21 8:00	0.000	12.685	68.796	0.000	0.000	0.000
6/30/21 9:00	0.000	12.687	73.553	0.000	0.000	0.000
6/30/21 10:00	0.000	12.687	77.409	0.000	0.000	0.000
6/30/21 11:00	0.000	12.688	72.275	0.000	0.000	0.000
6/30/21 12:00	0.000	12.687	69.951	0.000	0.000	0.000
6/30/21 13:00	25.219	13.422	74.960	14.028	17001.590	2151.000
6/30/21 14:00	35.105	13.713	71.056	25.894	31383.600	3586.000
6/30/21 15:00	62.972	14.515	72.120	9.176	11121.780	882.000
6/30/21 16:00	37.308	13.767	77.325	15.937	19315.950	2149.000
6/30/21 17:00	0.000	12.660	77.981	0.000	0.000	0.000
6/30/21 18:00	0.000	12.658	75.576	0.000	0.000	0.000
6/30/21 19:00	0.000	12.662	73.656	0.000	0.000	0.000
6/30/21 20:00	0.000	12.668	70.345	0.000	0.000	0.000
6/30/21 21:00	0.000	12.669	67.476	0.000	0.000	0.000
6/30/21 22:00	0.000	12.675	66.001	0.000	0.000	0.000
6/30/21 23:00	0.000	12.673	66.278	0.000	0.000	0.000
Avg/Total:	6.69	12.87	69.79	65.0354	78822.9200	8768.0000

District I

1625 N. French Dr., Hobbs, NM 88240
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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 36271

QUESTIONS

Operator: TARGA MIDSTREAM SERVICES LLC 1000 Louisiana Houston, TX 77002	OGRID: 24650
	Action Number: 36271
	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	No
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	06/30/2021
Time venting or flaring was discovered or commenced	01:24 PM
Is the venting or flaring event complete	Yes
Date venting or flaring was terminated	06/30/2021
Time venting or flaring was terminated	04:36 PM
Total duration of venting or flaring in hours, if venting or flaring has terminated	2
Longest duration of cumulative hours within any 24-hour period 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: Midstream Scheduled Maintenance Gas Compressor Station Natural Gas Flared Spilled: 65 Mcf Recovered: 0 Mcf Lost: 65 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 routed to flare to perform routine maintenance on a compressor. Gas was routed to flare to protect personnel and equipment.
Steps taken to limit the duration and magnitude of venting or flaring	Inlet gas was routed to flare until the routine maintenance could be completed and the compressor restarted.
Corrective actions taken to eliminate the cause and reoccurrence of venting or flaring	Once the maintenance on the compressor was completed, the unit was checked by maintenance personnel to see if it was safe to operate. When the unit was verified to be safe to operate, the compressor was restarted and normal operations resumed. Flaring ceased.

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CONDITIONS

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	Action Number: 36271
	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.	7/14/2021