

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
9/4/21 0:00	0.000	12.614	67.772	0.000	0.000	0.000
9/4/21 1:00	0.000	12.612	66.816	0.000	0.000	0.000
9/4/21 2:00	0.000	12.611	66.483	0.000	0.000	0.000
9/4/21 3:00	0.756	12.647	67.830	0.004	4.293	3.000
9/4/21 4:00	0.000	12.616	67.378	0.000	0.000	0.000
9/4/21 5:00	0.000	12.619	64.845	0.000	0.000	0.000
9/4/21 6:00	0.000	12.621	64.427	0.000	0.000	0.000
9/4/21 7:00	0.000	12.625	67.979	0.000	0.000	0.000
9/4/21 8:00	0.000	12.630	72.997	0.000	0.000	0.000
9/4/21 9:00	0.000	12.637	75.623	0.000	0.000	0.000
9/4/21 10:00	0.000	12.642	85.455	0.000	0.000	0.000
9/4/21 11:00	0.000	12.640	91.384	0.000	0.000	0.000
9/4/21 12:00	0.000	12.634	94.435	0.000	0.000	0.000
9/4/21 13:00	0.000	12.622	98.243	0.000	0.000	0.000
9/4/21 14:00	0.000	12.613	91.599	0.000	0.000	0.000
9/4/21 15:00	0.000	12.609	83.718	0.000	0.000	0.000
9/4/21 16:00	0.000	12.614	84.051	0.000	0.000	0.000
9/4/21 17:00	0.000	12.620	77.335	0.000	0.000	0.000
9/4/21 18:00	0.000	12.638	71.765	0.000	0.000	0.000
9/4/21 19:00	0.000	12.645	68.601	0.000	0.000	0.000
9/4/21 20:00	122.968	26.741	66.689	62.308	75517.440	3076.000
9/4/21 21:00	129.845	31.240	66.908	81.890	99250.630	3600.000
9/4/21 22:00	80.892	15.861	67.081	25.114	30438.330	2039.000
9/4/21 23:00	0.000	12.654	66.412	0.000	0.000	0.000
<b>Avg/Total:</b>	13.94	14.13	74.83	169.3157	205210.6928	8718.0000

**District I**1625 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 47008

**QUESTIONS**

Operator: TARGA MIDSTREAM SERVICES LLC 1000 Louisiana Houston, TX 77002	OGRID: 24650
	Action Number: 47008
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

<b>Prerequisites</b>	
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

<b>Determination of Reporting Requirements</b>	
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 venting and/or flaring event	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

<b>Equipment Involved</b>	
Primary Equipment Involved	Not answered.
Additional details for Equipment Involved. Please specify	Not answered.

<b>Representative Compositional Analysis of Vented or Flared Natural Gas</b>	
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.

<b>Date(s) and Time(s)</b>	
Date venting and/or flaring was discovered or commenced	09/04/2021
Time venting and/or flaring was discovered or commenced	08:09 PM
Time venting and/or flaring was terminated	10:34 PM
Cumulative hours during this event	2

<b>Measured or Estimated Volume of Vented or Flared Natural Gas</b>	
Natural Gas Vented (Mcf) Details	Not answered.

Natural Gas Flared (Mcf) Details	Cause: Midstream Emergency Maintenance   Gas Compressor Station   Natural Gas Flared   Released: 169 Mcf   Recovered: 0 Mcf   Lost: 169 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
Was notification of downstream activity received by you or your operator	No
Downstream OGRID that should have notified you or your operator	[316996] FRONTIER FIELD SERVICES,LLC
Date notified of downstream activity requiring this venting and/or flaring	09/04/2021
Time notified of downstream activity requiring this venting and/or flaring	08:09 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	Field gas was routed to flare when a downstream facility operated by a third party unexpectedly shut down. The third party facility operated by Durango Midstream is the outlet for the field gas at the Vada CS. Vada was being properly operated when the downstream shutdown began. Targa was notified by Durango about the shutdown after flaring began.
Steps taken to limit the duration and magnitude of venting and/or flaring	Gas was routed to flare until the downstream shutdown was ended.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	There were no corrective actions required by Targa; this event was the result of the actions of a third party and was outside Targa's control.

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CONDITIONS  
  
Action 47008

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Operator: TARGA MIDSTREAM SERVICES LLC 1000 Louisiana Houston, TX 77002	OGRID: 24650
	Action Number: 47008
	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.	9/8/2021