

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 60791

TARGA: BUCKEYE  
INLET: 83830007

	MOL %	GPM
HYDROGEN SULFIDE	0.2833	0.000
NITROGEN	2.2416	0.000
METHANE	80.0256	0.000
CARBON DIOXIDE	1.6413	0.000
ETHANE	7.6164	2.032
PROPANE	4.3616	1.199
ISO-BUTANE	0.5464	0.178
N-BUTANE	1.4838	0.467
ISO-PENTANE	0.4009	0.146
N-PENTANE	0.4148	0.150
NEOHEXANE	0.0050	0.002
CYCLOPENTANE	0.0478	0.014
2-METHYLPENTANE	0.0861	0.036
3-METHYLPENTANE	0.0551	0.022
N-HEXANE	0.1044	0.043
METHYLCYCLOPENTANE	0.0741	0.026
BENZENE	0.0685	0.019
CYCLOHEXANE	0.0926	0.031
2-METHYLHEXANE	0.0201	0.009
3-METHYLHEXANE	0.0249	0.011
DIMETHYLCYCLOPENTANES	0.0439	0.018
N-HEPTANE	0.0360	0.017
METHYLCYCLOHEXANE	0.0753	0.030
TRIMETHYLCYCLOPENTANES	0.0036	0.002
TOLUENE	0.0539	0.018
2-METHYLHEPTANE	0.0246	0.013
3-METHYLHEPTANE	0.0010	0.001
DIMETHYLCYCLOHEXANES	0.0146	0.007
N-OCTANE	0.0134	0.007
ETHYL BENZENE	0.0085	0.003
M&P-XYLENES	0.0153	0.006
O-XYLENE	0.0052	0.002
C9 NAPHTHENES	0.0154	0.008
C9 PARAFFINS	0.0288	0.017
N-NONANE	0.0062	0.004
N-DECANE	0.0038	0.002
UNDECANE PLUS	0.0562	0.037
TOTALS	100.0000	4.577

SPECIFIC GRAVITY 0.735  
GROSS DRY BTU/CU.FT. 1204.2  
GROSS WET BTU/CU.FT. 1183.6  
TOTAL MOL. WT. 21.215  
MOL. WT. C6+ 96.300  
SP. GRAVITY C6+ 3.879  
MOL. WT. C7+ 111.958  
SP. GRAVITY C7+ 4.917  
BASIS: 14.65 PSIA @ 60 °F

SAMPLED: 08/18/21  
11 PSI @ 77 °F

RUN: 08/19/21

SPOT SR

CYLINDER: 1

DISTRIBUTION: MR JOSEPH AUSTIN  
2833.24 PPM H2S

Meter ID: 830009

	Location Buckeye Flare			VRSDO.UIS		
	DP	SP	Temp	Volume	Energy	FlowTime
	inH2O	psi	F	MCF	MBTU	sec
11/23/21 0:00	0.000	21.664	35.505	0.000	0.000	0.000
11/23/21 1:00	0.000	21.623	35.823	0.000	0.000	0.000
11/23/21 2:00	0.000	21.522	36.589	0.000	0.000	0.000
11/23/21 3:00	0.000	21.486	35.927	0.000	0.000	0.000
11/23/21 4:00	0.000	21.551	35.055	0.000	0.000	0.000
11/23/21 5:00	0.000	21.635	35.036	0.000	0.000	0.000
11/23/21 6:00	0.000	21.626	35.835	0.000	0.000	0.000
11/23/21 7:00	0.000	21.584	40.611	0.000	0.000	0.000
11/23/21 8:00	23.978	43.919	57.912	11.409	13633.380	362.000
11/23/21 9:00	14.503	42.644	60.156	14.109	16860.680	561.000
11/23/21 10:00	0.000	22.231	64.363	0.000	0.000	0.000
11/23/21 11:00	0.000	21.848	67.079	0.000	0.000	0.000
11/23/21 12:00	0.000	21.766	70.917	0.000	0.000	0.000
11/23/21 13:00	0.000	21.789	74.348	0.000	0.000	0.000
11/23/21 14:00	0.000	21.701	70.520	0.000	0.000	0.000
11/23/21 15:00	0.000	21.574	68.460	0.000	0.000	0.000
11/23/21 16:00	0.000	21.515	65.549	0.000	0.000	0.000
11/23/21 17:00	0.000	21.512	60.692	0.000	0.000	0.000
11/23/21 18:00	0.000	21.501	56.395	0.000	0.000	0.000
11/23/21 19:00	0.000	21.444	54.039	0.000	0.000	0.000
11/23/21 20:00	0.000	21.438	53.126	0.000	0.000	0.000
11/23/21 21:00	0.000	21.439	50.443	0.000	0.000	0.000
11/23/21 22:00	0.000	21.436	50.110	0.000	0.000	0.000
11/23/21 23:00	0.000	21.502	48.211	0.000	0.000	0.000
<b>Avg/Total:</b>	1.60	23.41	52.61	25.5180	30494.0600	923.0000

**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 65067

**QUESTIONS**

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 65067
	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	[fPAC0614251161] Targa Buckeye Booster 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	80
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	2,833
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	11/23/2021
Time venting and/or flaring was discovered or commenced	09:54 AM
Time venting and/or flaring was terminated	10:09 AM
Cumulative hours during this event	0

<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: Equipment Failure   Gas Compressor Station   Natural Gas Flared   Released: 53 Mcf   Recovered: 0 Mcf   Lost: 53 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.
Was notification of downstream activity received by you or your operator	Not answered.
Downstream OGRID that should have notified you or your operator	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 intermittently flared when C-3 automatically shut down due to a VFD overheat shutdown. The cause of the shutdown was a failed fan in the VFD, which allowed for the internal components of the VFD to get overheated. Inlet gas was rerouted to flare to protect personnel and equipment.
Steps taken to limit the duration and magnitude of venting and/or flaring	Inlet gas was flared until C-3 could be restarted.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/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. The VFD is in the process of being repaired to eliminate the issue.

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CONDITIONS  
  
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Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 65067
	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.	12/6/2021