

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
10/7/21 0:00	0.000	21.672	59.593	0.000	0.000	0.000
10/7/21 1:00	0.000	21.690	58.978	0.000	0.000	0.000
10/7/21 2:00	0.000	21.644	58.186	0.000	0.000	0.000
10/7/21 3:00	0.000	21.554	57.879	0.000	0.000	0.000
10/7/21 4:00	0.000	21.550	57.024	0.000	0.000	0.000
10/7/21 5:00	0.000	21.505	55.613	0.000	0.000	0.000
10/7/21 6:00	0.000	21.545	54.276	0.000	0.000	0.000
10/7/21 7:00	0.000	21.579	54.595	0.000	0.000	0.000
10/7/21 8:00	0.000	21.613	63.649	0.000	0.000	0.000
10/7/21 9:00	79.886	26.537	78.242	0.427	510.281	11.000
10/7/21 10:00	8.531	41.872	81.921	51.870	61984.520	2750.000
10/7/21 11:00	8.781	41.696	82.958	68.648	82033.970	3596.000
10/7/21 12:00	9.255	41.695	84.461	70.518	84269.320	3600.000
10/7/21 13:00	10.972	41.699	85.460	76.561	91490.260	3600.000
10/7/21 14:00	11.071	41.663	85.688	76.851	91836.640	3598.000
10/7/21 15:00	11.001	41.670	85.121	76.619	91559.720	3597.000
10/7/21 16:00	11.202	41.519	83.807	76.310	91190.020	3586.000
10/7/21 17:00	12.069	41.663	81.245	80.637	96361.310	3600.000
10/7/21 18:00	11.536	41.641	76.694	79.142	94574.470	3600.000
10/7/21 19:00	13.894	41.434	73.914	76.488	91402.920	3387.000
10/7/21 20:00	15.983	41.193	73.642	90.941	108674.300	3600.000
10/7/21 21:00	12.562	41.524	72.553	2.766	3305.917	124.000
10/7/21 22:00	0.000	17.556	68.393	0.000	0.000	0.000
10/7/21 23:00	5.136	20.717	67.720	0.184	219.909	18.000
<b>Avg/Total:</b>	9.24	31.60	70.90	827.9611	989413.5578	38667.0000

**District I**

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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 54842

**QUESTIONS**

Operator: TARGA MIDSTREAM SERVICES LLC 1000 Louisiana Houston, TX 77002	OGRID: 24650
	Action Number: 54842
	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	[fGP00000000023] TARGA BUCKEYE CS

**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	Yes
Is this considered a submission for a venting and/or flaring event	Yes, major 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

**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	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.

**Date(s) and Time(s)**

Date venting and/or flaring was discovered or commenced	10/07/2021
Time venting and/or flaring was discovered or commenced	10:00 AM
Time venting and/or flaring was terminated	11:00 PM
Cumulative hours during this event	11

**Measured or Estimated Volume of Vented or Flared Natural Gas**

Natural Gas Vented (Mcf) Details	Not answered.
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Natural Gas Flared (Mcf) Details	Cause: Equipment Failure   Gas Compressor Station   Natural Gas Flared   Released: 828 Mcf   Recovered: 0 Mcf   Lost: 828 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	Field gas was routed to flare when the VFD drive on C-3 failed, shutting the compressor down. Field gas was automatically routed to flare to protect personnel and equipment.
Steps taken to limit the duration and magnitude of venting and/or flaring	Gas was routed to flare until maintenance personnel could identify the cause and start backup compressor C-2.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	Maintenance personnel determined that the quickest way to end the flaring event was to start backup compressor C-2. C-2 was started and normal operations resumed. Flaring ceased. The VFD drive on C-3 is in the process of being repaired to eliminate the risk of reoccurrence of the issue.

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CONDITIONS  
  
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Operator: TARGA MIDSTREAM SERVICES LLC 1000 Louisiana Houston, TX 77002	OGRID: 24650
	Action Number: 54842
	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.	10/8/2021