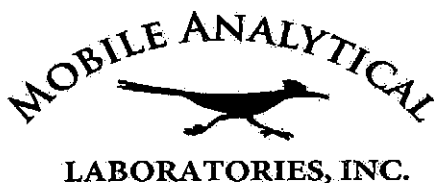


SHIPPING ADDRESS:
2800 WESTOVER STREET
ODESSA, TEXAS 79764



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
9/2/21 0:00	0.000	12.581	67.353	0.000	0.000	0.000
9/2/21 1:00	0.000	12.589	66.722	0.000	0.000	0.000
9/2/21 2:00	0.000	12.589	66.207	0.000	0.000	0.000
9/2/21 3:00	0.000	12.586	65.230	0.000	0.000	0.000
9/2/21 4:00	0.000	12.583	64.488	0.000	0.000	0.000
9/2/21 5:00	0.000	12.589	65.005	0.000	0.000	0.000
9/2/21 6:00	0.000	12.589	65.581	0.000	0.000	0.000
9/2/21 7:00	0.000	12.594	66.031	0.000	0.000	0.000
9/2/21 8:00	16.100	13.068	70.664	2.543	3082.275	494.000
9/2/21 9:00	126.584	23.565	68.073	68.843	83437.620	3600.000
9/2/21 10:00	134.734	29.033	67.349	79.822	96744.380	3600.000
9/2/21 11:00	135.967	33.570	66.448	87.121	105590.100	3600.000
9/2/21 12:00	102.133	26.905	64.883	20.264	24560.460	1104.000
9/2/21 13:00	0.000	12.609	88.713	0.000	0.000	0.000
9/2/21 14:00	0.000	12.600	92.073	0.000	0.000	0.000
9/2/21 15:00	0.000	12.589	93.030	0.000	0.000	0.000
9/2/21 16:00	0.000	12.586	91.038	0.000	0.000	0.000
9/2/21 17:00	0.000	12.587	87.359	0.000	0.000	0.000
9/2/21 18:00	0.000	12.589	82.875	0.000	0.000	0.000
9/2/21 19:00	0.000	12.590	76.675	0.000	0.000	0.000
9/2/21 20:00	0.000	12.596	73.293	0.000	0.000	0.000
9/2/21 21:00	0.000	12.605	70.978	0.000	0.000	0.000
9/2/21 22:00	0.000	12.609	70.226	0.000	0.000	0.000
9/2/21 23:00	0.000	12.612	70.126	0.000	0.000	0.000
Avg/Total:	21.48	15.23	73.35	258.5931	313414.8350	12398.0000

District I1625 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 46987

QUESTIONS

Operator: TARGA MIDSTREAM SERVICES LLC 1000 Louisiana Houston, TX 77002	OGRID: 24650
	Action Number: 46987
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Prerequisites	
<i>Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.</i>	
Incident Well	Not answered.
Incident Facility	[fPAC0608141749] Targa Vada Compressor Station

Determination of Reporting Requirements	
<i>Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.</i>	
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.
<i>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.</i>	
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	
<i>Please provide the mole percent for the percentage questions in this group.</i>	
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
<i>If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.</i>	
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	09/02/2021
Time venting and/or flaring was discovered or commenced	08:52 AM
Time venting and/or flaring was terminated	12:18 PM
Cumulative hours during this event	3

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

Natural Gas Flared (Mcf) Details	Cause: Midstream Emergency Maintenance Gas Compressor Station Natural Gas Flared Released: 259 Mcf Recovered: 0 Mcf Lost: 259 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	09/02/2021
Time notified of downstream activity requiring this venting and/or flaring	08:52 AM

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 third party downstream facility operated by Durango Midstream unexpectedly shut down. Durango is the main outlet for the gas at the Vada CS. The Vada CS was being operated properly when Durango's shutdown occurred. Targa was notified by Durango about the shutdown after flaring began.
Steps taken to limit the duration and magnitude of venting and/or flaring	Field gas was routed to flare until the third party shutdown was completed.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	There was no corrective action required by Targa; the incident was caused by the actions of a third party and was outside Targa's control.

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CONDITIONS

Action 46987

CONDITIONS

Operator: TARGA MIDSTREAM SERVICES LLC 1000 Louisiana Houston, TX 77002	OGRID: 24650
	Action Number: 46987
	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