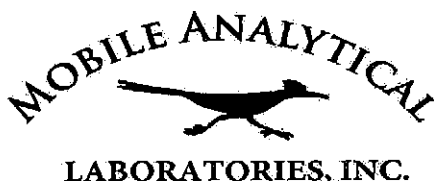


SHIPPING ADDRESS:
2800 WESTOVER STREET
ODESSA, TEXAS 79764



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
11/25/21 0:00	0.000	12.699	41.445	0.000	0.000	0.000
11/25/21 1:00	0.000	12.711	40.148	0.000	0.000	0.000
11/25/21 2:00	0.000	12.725	39.341	0.000	0.000	0.000
11/25/21 3:00	0.000	12.736	38.843	0.000	0.000	0.000
11/25/21 4:00	0.000	12.750	38.125	0.000	0.000	0.000
11/25/21 5:00	0.000	12.762	37.048	0.000	0.000	0.000
11/25/21 6:00	0.000	12.776	36.292	0.000	0.000	0.000
11/25/21 7:00	0.000	12.788	36.741	0.000	0.000	0.000
11/25/21 8:00	0.000	12.800	38.237	0.000	0.000	0.000
11/25/21 9:00	0.000	12.805	42.009	0.000	0.000	0.000
11/25/21 10:00	0.000	12.804	47.034	0.000	0.000	0.000
11/25/21 11:00	0.000	12.795	48.483	0.000	0.000	0.000
11/25/21 12:00	0.000	12.781	55.007	0.000	0.000	0.000
11/25/21 13:00	0.000	12.769	58.513	0.000	0.000	0.000
11/25/21 14:00	0.000	12.761	60.514	0.000	0.000	0.000
11/25/21 15:00	0.000	12.760	58.986	0.000	0.000	0.000
11/25/21 16:00	0.000	12.761	51.661	0.000	0.000	0.000
11/25/21 17:00	0.000	12.768	42.109	0.000	0.000	0.000
11/25/21 18:00	0.000	12.772	36.209	0.000	0.000	0.000
11/25/21 19:00	0.000	12.776	33.294	0.000	0.000	0.000
11/25/21 20:00	0.000	12.773	31.274	0.000	0.000	0.000
11/25/21 21:00	0.000	12.768	29.878	0.000	0.000	0.000
11/25/21 22:00	99.699	16.125	43.464	19.343	23443.960	1399.000
11/25/21 23:00	127.124	22.830	50.733	69.110	83761.870	3600.000
Avg/Total:	9.45	13.32	43.14	88.4537	107205.8300	4999.0000

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 65294

QUESTIONS

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 65294
	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	11/25/2021
Time venting and/or flaring was discovered or commenced	10:37 PM
Time venting and/or flaring was terminated	11:59 PM
Cumulative hours during this event	1

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: 88 Mcf Recovered: 0 Mcf Lost: 88 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	Yes
Downstream OGRID that should have notified you or your operator	[224903] FRONTIER FIELD SERVICES, LLC
Date notified of downstream activity requiring this venting and/or flaring	11/25/2021
Time notified of downstream activity requiring this venting and/or flaring	10:37 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	Reduced gas capacity was experienced and gas was flared to protect equipment and personnel when third party Durango experienced an unexpected shutdown. Durango is the outlet for the gas at the Vada CS. Targa was informed after the event occurred. The Vada CS was being properly operated when Durango's station shut down.
Steps taken to limit the duration and magnitude of venting and/or flaring	Gas was flared until Durango's shutdown ended.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	There were no corrective measures required by Targa. The Targa facility was being operated properly; Targa was informed after this event occurred.

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CONDITIONS

Action 65294

CONDITIONS

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 65294
	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.	12/7/2021