

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

08/16/22

EXTENDED GAS ANALYSIS

LAB 65605

TARGA: VADA
LOW PRESSURE INLET: 139100005

	MOL %	GPM
HYDROGEN SULFIDE	0.7838	0.000
NITROGEN	2.9428	0.000
METHANE	71.8771	0.000
CARBON DIOXIDE	3.6521	0.000
ETHANE	9.9048	2.645
PROPANE	5.6752	1.561
ISO-BUTANE	0.8463	0.277
N-BUTANE	1.8038	0.568
ISO-PENTANE	0.5626	0.205
N-PENTANE	0.5407	0.196
NEOHEXANE	0.0136	0.006
CYCLOPENTANE	0.0496	0.015
2-METHYLPENTANE	0.1134	0.047
3-METHYLPENTANE	0.0665	0.027
N-HEXANE	0.1463	0.060
METHYLCYCLOPENTANE	0.0852	0.030
BENZENE	0.0428	0.012
CYCLOHEXANE	0.1011	0.034
2-METHYLHEXANE	0.0402	0.019
3-METHYLHEXANE	0.0422	0.019
DIMETHYLCYCLOPENTANES	0.0545	0.022
N-HEPTANE	0.0684	0.032
METHYLCYCLOHEXANE	0.1263	0.051
TRIMETHYLCYCLOPENTANES	0.0093	0.004
TOLUENE	0.0577	0.019
2-METHYLHEPTANE	0.0447	0.023
3-METHYLHEPTANE	0.0017	0.001
DIMETHYLCYCLOHEXANES	0.0298	0.013
N-OCTANE	0.0417	0.021
ETHYL BENZENE	0.0113	0.004
M&P-XYLENES	0.0403	0.016
O-XYLENE	0.0121	0.005
C9 NAPHTHENES	0.0341	0.018
C9 PARAFFINS	0.0602	0.035
N-NONANE	0.0196	0.012
N-DECANE	0.0098	0.006
UNDECANE PLUS	0.0884	0.059
TOTALS	100.0000	6.062

SPECIFIC GRAVITY 0.813
GROSS DRY BTU/CU.FT. 1256.2
GROSS WET BTU/CU.FT. 1234.8
TOTAL MOL. WT. 23.461
MOL. WT. C6+ 100.270
SP. GRAVITY C6+ 4.102
MOL. WT. C7+ 113.186
SP. GRAVITY C7+ 4.988
BASIS: 14.65 PSIA @ 60 °F

SAMPLED: 08/10/22
19 PSI @ 80 °F
RUN: 08/11/22
SPOT SR
CYLINDER: 65
DISTRIBUTION: MR JOSEPH AUSTIN
7837.94 PPM H2S

Enter data in shaded fields to calculate gas volumes released due to leak and blowdown of system.

Hours of leak =	12	Example:
Diameter of hole (inches) =	0.25	Leak for 4 (est) hours out of a 1/4 inch hole with line pressure of 750 psig
Upstream Pressure =	700	
Volume of gas (mcf/hr) loss is equal to the hole diameter squared times the upstream pressure absolute. *		
Volume of Gas Leaked =	536.03 Mcf	

Footage of Pipe blowdown =	52800	
Initial line pressure =	700	Calculated factor for line pack = 26.518
Diameter of Pipe (inches) =	10	
Volume of Gas BlownDown =	1400.13 Mcf	Example: Loss of gas due to blowdown of 7 miles of 12 inch at initial pressure 51 psig
Total Volume of Gas Loss =	1936.16 Mcf	Reportable 50 Mcf
		Immediate Notification 500 Mcf

Comments:

Name : Joseph Tillman Austin | Title : Environmental Specialist

* Pipeline Rules of Thumb Handbook /2nd Edition

Meter ID: 139100004		Location Vada Low Pressure Flare			VRSDO.UIS	
	DP	SP	Temp	Volume	Energy	FlowTime
	inH2O	psi	F	MCF	MBTU	sec
8/22/22 0:00	0.000	12.653	63.675	0.000	0.000	0.000
8/22/22 1:00	0.000	12.654	63.431	0.000	0.000	0.000
8/22/22 2:00	0.000	12.650	63.419	0.000	0.000	0.000
8/22/22 3:00	0.000	12.652	62.286	0.000	0.000	0.000
8/22/22 4:00	0.000	12.651	62.062	0.000	0.000	0.000
8/22/22 5:00	0.000	12.652	61.252	0.000	0.000	0.000
8/22/22 6:00	0.000	12.655	61.778	0.000	0.000	0.000
8/22/22 7:00	0.000	12.660	63.928	0.000	0.000	0.000
8/22/22 8:00	0.000	12.663	66.957	0.000	0.000	0.000
8/22/22 9:00	0.000	12.664	70.602	0.000	0.000	0.000
8/22/22 10:00	0.000	12.668	72.285	0.000	0.000	0.000
8/22/22 11:00	0.000	12.666	73.334	0.000	0.000	0.000
8/22/22 12:00	0.000	12.661	76.665	0.000	0.000	0.000
8/22/22 13:00	0.000	12.653	77.052	0.000	0.000	0.000
8/22/22 14:00	0.000	12.646	79.033	0.000	0.000	0.000
8/22/22 15:00	0.000	12.636	77.109	0.000	0.000	0.000
8/22/22 16:00	0.000	12.709	77.498	0.000	0.000	0.000
8/22/22 17:00	38.965	16.842	74.221	15.681	19005.460	1718.000
8/22/22 18:00	92.488	19.014	73.187	52.884	64095.310	3600.000
8/22/22 19:00	114.833	19.011	72.823	58.407	70788.710	3600.000
8/22/22 20:00	127.755	20.859	72.513	64.438	78099.170	3600.000
8/22/22 21:00	116.093	18.699	72.349	58.116	70436.600	3600.000
8/22/22 22:00	110.312	17.853	72.047	55.375	67114.150	3600.000
8/22/22 23:00	121.747	17.939	71.893	57.875	70144.830	3600.000
Avg/Total:	30.09	14.39	70.06	362.7757	439684.2300	23318.0000

Meter ID: 139100004		Location Vada Low Pressure Flare			VRSDO.UIS	
	DP	SP	Temp	Volume	Energy	FlowTime
	inH2O	psi	F	MCF	MBTU	sec
8/23/22 0:00	122.317	18.237	71.774	58.540	70950.520	3600.000
8/23/22 1:00	108.702	17.088	71.828	53.681	65060.960	3600.000
8/23/22 2:00	100.028	16.951	71.714	51.610	62551.760	3600.000
8/23/22 3:00	104.295	16.817	71.606	52.265	63344.720	3600.000
8/23/22 4:00	98.216	16.345	71.463	50.182	60820.470	3600.000
8/23/22 5:00	108.782	16.937	71.269	53.387	64705.520	3600.000
8/23/22 6:00	101.175	16.276	71.127	50.682	61426.030	3600.000
8/23/22 7:00	116.094	16.742	71.770	18.316	22199.370	1211.000
8/23/22 8:00	0.000	45.886	73.013	0.000	0.000	0.000
8/23/22 9:00	0.000	45.669	76.308	0.000	0.000	0.000
8/23/22 10:00	0.000	45.521	78.723	0.000	0.000	0.000
8/23/22 11:00	0.000	45.330	81.285	0.000	0.000	0.000
8/23/22 12:00	0.000	45.053	82.962	0.000	0.000	0.000
8/23/22 13:00	0.000	44.771	82.779	0.000	0.000	0.000
8/23/22 14:00	0.000	44.535	85.840	0.000	0.000	0.000
8/23/22 15:00	0.000	44.368	87.448	0.000	0.000	0.000
8/23/22 16:00	0.000	44.232	89.779	0.000	0.000	0.000
8/23/22 17:00	0.000	44.193	86.489	0.000	0.000	0.000
8/23/22 18:00	0.000	44.203	82.842	0.000	0.000	0.000
8/23/22 19:00	0.000	44.205	74.520	0.000	0.000	0.000
8/23/22 20:00	0.000	44.198	67.759	0.000	0.000	0.000
8/23/22 21:00	0.000	44.185	64.273	0.000	0.000	0.000
8/23/22 22:00	0.000	44.157	62.802	0.000	0.000	0.000
8/23/22 23:00	0.000	44.116	61.455	0.000	0.000	0.000
Avg/Total:	35.82	35.42	75.45	388.6628	471059.3500	26411.0000

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

DEFINITIONS

Action 137352

DEFINITIONS

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 137352
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

DEFINITIONS

For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application: • this application's operator, hereinafter "this operator"; • venting and/or flaring, hereinafter "vent or flare"; • any notification or report(s) of the C-129 form family, hereinafter "any C-129 forms"; • the statements in (and/or attached to) this, hereinafter "the statements in this"; • and the past tense will be used in lieu of mixed past/present tense questions and statements.
--

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 137352

QUESTIONS

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 137352
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

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 Operator	[24650] TARGA MIDSTREAM SERVICES LLC
Incident Type	Flare
Incident Status	Closure Not Approved
Incident Well	Not answered.
Incident Facility	[fPAC0608141749] Targa Vada Compressor Station
<i>Only valid Vent, Flare or Vent with Flaring incidents (selected above in the Application Details section) that are assigned to your current operator can be amended with this C-129A application.</i>	

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 this vent or flare caused by an emergency or malfunction	Yes
Did this vent or flare last eight hours or more cumulatively within any 24-hour period from a single event	Yes
Is this considered a submission for a vent or flare event	Yes, major 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 at least 50 MCF of natural gas vented and/or flared during this event	Yes
Did this vent or flare 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 vent or flare 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	72
Nitrogen (N2) percentage, if greater than one percent	3
Hydrogen Sulfide (H2S) PPM, rounded up	7,838
Carbon Dioxide (CO2) percentage, if greater than one percent	4
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.

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, Page 2

Action 137352

QUESTIONS (continued)

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 137352
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	08/22/2022
Time vent or flare was discovered or commenced	04:45 PM
Time vent or flare was terminated	07:20 AM
Cumulative hours during this event	15

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Corrosion Gas Compressor Station Natural Gas Flared Released: 2,688 Mcf Recovered: 0 Mcf Lost: 2,688 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 this vent or flare a result of downstream activity	No
Was notification of downstream activity received by this operator	Not answered.
Downstream OGRID that should have notified this operator	Not answered.
Date notified of downstream activity requiring this vent or flare	Not answered.
Time notified of downstream activity requiring this vent or flare	Not answered.

Steps and Actions to Prevent Waste	
For this event, this operator could not have reasonably anticipated the current event and it was beyond this operator's control	True
Please explain reason for why this event was beyond this operator's control	Gas was flared when a leak was discovered on the Vada compressor station (CS) discharge line. The leak was due to internal corrosion. Internal corrosion cannot be detected until a leak forms as the corrosion is inside the pipeline. This event was beyond Targa's control. The discharge line was depressurized to the Vada CS flare due to the H2S content of the gas. Inlet gas to the facility was also routed to flare to protect personnel and equipment.
Steps taken to limit the duration and magnitude of vent or flare	Gas was flared until the discharge line was depressurized, the damaged section of pipeline was replaced, and normal operations resumed.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	The leaking section of pipeline was replaced. Normal operations resumed, and flaring ceased.

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

ACKNOWLEDGMENTS

Action 137352

ACKNOWLEDGMENTS

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 137352
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

ACKNOWLEDGMENTS

☒	I acknowledge that with this application I will be amending an existing incident file (assigned to this operator) for a vent or flare event, pursuant to 19.15.27 and 19.15.28 NMAC.
☒	I acknowledge that amending an incident file does not replace original submitted application(s) or information and understand that any C-129 forms submitted to the OCD will be logged and stored as public record.
☒	I hereby certify the statements in this amending report are true and correct to the best of my knowledge and acknowledge that any false statement may be subject to civil and criminal penalties under the Oil and Gas Act.
☒	I acknowledge that the acceptance of any C-129 forms by the OCD does not relieve this operator of liability should their operations have failed to adequately investigate, report, and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment.
☒	I acknowledge that OCD acceptance of any C-129 forms does not relieve this operator of responsibility for compliance with any other applicable federal, state, or local laws and/or regulations.

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

CONDITIONS

Action 137352

CONDITIONS

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 137352
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

CONDITIONS

Created By	Condition	Condition Date
tillmana	If the information provided in this report requires further amendment(s), submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event.	8/31/2022