

Gas Analysis Report

Eunice

Plant 161	Lab
Producer	Analysis Date 9/3/2021 12:00:00 AM
Meter : Lease 0222639 : N Booster Residue Flare	Analyzed By
Effective Date 9/1/2021 12:00:00 AM	Report No
Field Gravity 0.0000	Sampled By
Line Pressure 140	Sample Taken 9/3/21
Line Flow Rate	Sample Type Spot
Line Temperature	Cylinder No

Analysis Results Calculated at 14.65 psia and 60 degrees F

	<u>Mol %</u>	<u>GPM</u>
Nitrogen	2.628	
Carbon Dioxide	0.000	
Oxygen	0.000	
Water	0.000	
Hydrogen Sulfide	0.000	
Helium	0.000	
Methane	93.461	
Ethane	3.729	0.994
Propane	0.129	0.035
Isobutane	0.009	0.003
Normal Butane	0.024	0.007
IsoPentane	0.006	0.002
Normal Pentane	0.007	0.002
Hexane	0.009	0.004
Heptane	0.000	0.000
Octane	0.000	0.000
Total	100.000	1.047

<u>Condition</u>	<u>Real BTU/scf</u>	<u>Ideal BTU/scf</u>	<u>Relative Density</u>	<u>Compressibility (Z)</u>
Water Saturated	996.38	0.00		0.000
Dry	1,014.13	0.00	0.586	0.000
As Delivered	0.00	0.00	0.000	0.000
Water Content (lb/mmascfd)	0.00			
Calculated 26/70 Gasoline gpm	0.012			

Remarks:

Printed from Measurement Repository 10/28/21 9:31:33 AM GMT-05:00

Meter ID: 0222639	Location N.B.RESIDUE FLARE			VRSDO.UIS		
	DP	SP	Temp	Volume	Energy	FlowTime
	inH2O	psi	F	MCF	MBTU	sec
10/27/21 0:00	0.000	224.598	59.512	0.000	0.000	0.000
10/27/21 1:00	0.000	229.053	56.414	0.000	0.000	0.000
10/27/21 2:00	0.000	228.714	53.380	0.000	0.000	0.000
10/27/21 3:00	0.000	227.873	51.039	0.000	0.000	0.000
10/27/21 4:00	0.000	227.875	51.245	0.000	0.000	0.000
10/27/21 5:00	0.000	227.713	51.715	0.000	0.000	0.000
10/27/21 6:00	0.000	227.139	52.206	0.000	0.000	0.000
10/27/21 7:00	0.000	223.306	51.497	0.000	0.000	0.000
10/27/21 8:00	0.000	217.707	52.524	0.000	0.000	0.000
10/27/21 9:00	0.000	220.214	57.138	0.000	0.000	0.000
10/27/21 10:00	0.000	223.377	60.790	0.000	0.000	0.000
10/27/21 11:00	0.000	226.423	64.869	0.000	0.000	0.000
10/27/21 12:00	174.185	268.663	84.557	483.397	490164.100	1282.000
10/27/21 13:00	157.032	267.551	85.830	1289.301	1307351.000	3600.000
10/27/21 14:00	194.287	269.853	85.400	1432.559	1452615.000	3600.000
10/27/21 15:00	218.555	271.285	85.330	1523.387	1544715.000	3600.000
10/27/21 16:00	197.973	270.048	84.847	1450.464	1470770.000	3600.000
10/27/21 17:00	221.218	271.506	83.818	1546.896	1568553.000	3600.000
10/27/21 18:00	197.824	270.079	83.165	1198.228	1215003.000	3088.000
10/27/21 19:00	0.000	236.442	66.759	0.000	0.000	0.000
10/27/21 20:00	167.470	268.269	79.984	426.793	432768.300	1150.000
10/27/21 21:00	216.179	271.231	82.497	1533.270	1554736.000	3600.000
10/27/21 22:00	224.184	271.657	82.205	1562.490	1584365.000	3600.000
10/27/21 23:00	180.883	268.943	81.776	571.352	579350.700	1532.000
Avg/Total:	89.57	246.23	68.69	13018.1363	13200391.1000	#####

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 58313

QUESTIONS

Operator: TARGA MIDSTREAM SERVICES LLC 1000 Louisiana Houston, TX 77002	OGRID: 24650
	Action Number: 58313
	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	[fAPP2122937086] Eunice North 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	93
Nitrogen (N2) percentage, if greater than one percent	3
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (CO2) percentage, if greater than one percent	0
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	10/27/2021
Time venting and/or flaring was discovered or commenced	12:39 PM
Time venting and/or flaring was terminated	11:26 PM
Cumulative hours during this event	9

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: Other Gas Compressor Station Natural Gas Flared Released: 13,018 Mcf Recovered: 0 Mcf Lost: 13,018 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	[238851] EL PASO NATURAL GAS
Date notified of downstream activity requiring this venting and/or flaring	10/27/2021
Time notified of downstream activity requiring this venting and/or flaring	12:39 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 residue capacity was experienced and residue gas was flared to protect equipment and personnel when third party El Paso experienced high pressure downstream of their station. El Paso is the residue outlet for the facility. Targa was informed after the event occurred. The facility was being properly operated when El Paso's station shut down.
Steps taken to limit the duration and magnitude of venting and/or flaring	Residue gas volumes was flared until El Paso's high line pressure decreased.
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

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Operator: TARGA MIDSTREAM SERVICES LLC 1000 Louisiana Houston, TX 77002	OGRID: 24650
	Action Number: 58313
	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.	10/28/2021