

Diablo EZReporter Analysis Report

Sample Information

	Sample Information
Sample Name	2196-Sabinal Energy 13-1
Sample By	John Britt
Operator	Sabinal
Sample Notes	None
Method Name	Saunders
Injection Date	2022-04-18 08:03:16
Report Date	2022-04-18 08:05:40
Source Data File	65d7c31e-1a6a-4e82-b8b5-9a54a439b16f
Data Source	INFICON Fusion Connector

Component Results

Component Name	Ret. Time	Peak Area	Norm%	Relative Gas Density (Dry)	Relative Gas Density (Wet)	GPM (Dry) (Gal. / 1000 cu.ft.)	
Nitrogen	28.740	13093.7	1.0243	0.00991	0.00000	0.112	
Methane	29.680	775317.0	79.4718	0.44019	0.00000	13.447	
Carbon Dioxide	34.510	9657.7	0.6455	0.00981	0.00000	0.110	
Ethane	46.890	153843.6	9.7879	0.10162	0.00000	2.613	
Propane	91.260	108266.6	5.0031	0.07617	0.00000	1.376	
isobutane	33.620	39541.7	0.6108	0.01226	0.00000	0.199	
n-Butane	36.800	74679.0	1.1392	0.02286	0.00000	0.358	
isopentane	47.240	20448.1	0.2866	0.00714	0.00000	0.105	
n-Pentane	51.680	24726.3	0.3374	0.00840	0.00000	0.122	
Hexanes Plus	137.000	142315.0	1.6934	0.05449	0.00000	0.733	
H2S	0.000	0.0	0.0000	0.00000	0.00000	0.000	
Total:			100.0000	0.74285	0.00000	19.176	

Results Summary

Result	Dry	
Total Raw Mole% (Dry)	100.9239	
Pressure Base (psia)	14.650	
Temperature Base (Deg. F)	60.00	
Flowing Temperature (Deg. F)	57.2	
Flowing Pressure (psia)	41.3	
Gross Heating Value (BTU / Real cu.ft.)	1271.5	
Relative Density (G), Real	0.7454	
Compressibility (Z) Factor	0.9962	
Gross Wobbe Index, Real	1472.748	

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

Hours of leak =	1	Example: Leak for 4 (est) hours out of a 1/4 inch hole with line pressure of 750 psig
Diameter of hole (inches) =	8	
Upstream Pressure =	35	
Volume of gas (mcf/hr) loss is equal to the hole diameter squared times the upstream pressure absolute. *		
Volume of Gas Leaked =	3180.80 Mcf	

Footage of Pipe blowdown =	2640	Calculated factor for line pack = 1.180
Initial line pressure =	35	
Diameter of Pipe (inches) =	8	
Volume of Gas BlownDown =	3.12 Mcf	Example: Loss of gas due to blowdown of 7 miles of 12 inch at initial pressure 51 psig
Total Volume of Gas Loss =	3183.92 Mcf	Reportable 50 Mcf
		Immediate Notification 500 Mcf

Comments:

Name : Joseph Tillman Austin | Title : Environmental Specialist

* Pipeline Rules of Thumb Handbook /2nd Edition

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
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Santa Fe, NM 87505

DEFINITIONS

Action 146537

DEFINITIONS

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 146537
	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: <ul style="list-style-type: none">• 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.
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QUESTIONS

Action 146537

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	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

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 Operator	[24650] TARGA MIDSTREAM SERVICES LLC
Incident Type	Flare
Incident Status	Closure Not Approved
Incident Well	Not answered.
Incident Facility	[fAPP2123021777] Targa NM Gathering System

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.

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	No
Is this considered a submission for a vent or flare 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 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	79
Nitrogen (N2) percentage, if greater than one percent	1
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (C02) percentage, if greater than one percent	1
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 Sufide (H2S) PPM quality requirement	Not answered.
Carbon Dioxide (C02) percentage quality requirement	Not answered.
Oxygen (O2) percentage quality requirement	Not answered.

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QUESTIONS, Page 2

Action 146537

QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	09/15/2022
Time vent or flare was discovered or commenced	10:00 AM
Time vent or flare was terminated	11:00 AM
Cumulative hours during this event	1

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Equipment Failure Pipeline (Any) Natural Gas Vented Released: 3,184 Mcf Recovered: 0 Mcf Lost: 3,184 Mcf]
Natural Gas Flared (Mcf) Details	Not answered.
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 vented to atmosphere when field operations shut in a line to repair a leak. Line pressure increased on an out of service lateral, and this out of service lateral experienced a line failure. Gas was vented to atmosphere through the failure in the line.
Steps taken to limit the duration and magnitude of vent or flare	Gas was vented to atmosphere until the lateral was isolated and line section was depressurized.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	A flange and blind were installed on the out of service lateral to prevent the issue from reoccurring. The valve was locked closed to prevent the valve from being inadvertently opened.

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ACKNOWLEDGMENTS

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ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.

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CONDITIONS

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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.	9/27/2022