

Gas Analysis Report

Eunice

Plant 161	Lab Portable GC
Producer	Analysis Date 7/14/2023 12:00:00 AM
Meter : Lease 0232624 : South Booster Field Flare	Analyzed By BMS
Effective Date 7/1/2023 12:00:00 AM	Report No
Field Gravity 0.0000	Sampled By BMS
Line Pressure 275	Sample Taken 7/14/23
Line Flow Rate 0	Sample Type Spot
Line Temperature 0	Cylinder No

Analysis Results Calculated at 14.65 psia and 60 degrees F

	<u>Mol %</u>	<u>GPM</u>
Nitrogen	1.883	
Carbon Dioxide	2.722	
Oxygen	0.000	
Water	0.000	
Hydrogen Sulfide	0.544	
Helium	0.000	
Methane	73.815	
Ethane	10.852	2.886
Propane	5.822	1.595
Isobutane	0.696	0.226
Normal Butane	1.952	0.612
IsoPentane	0.468	0.170
Normal Pentane	0.543	0.196
Hexane	0.704	0.288
Heptane	0.000	0.000
Octane	0.000	0.000
Total	100.000	5.972

<u>Condition</u>	<u>Real BTU/scf</u>	<u>Ideal BTU/scf</u>	<u>Relative Density</u>	<u>Compressibility (Z)</u>
Water Saturated	1,224.00	0.00	0.773	0.996
Dry	1,245.20	1,244.30	0.778	0.996
As Delivered	0.00	0.00	0.000	0.000
Water Content (lb/mmascfd)	0.00			
Calculated 26/70 Gasoline gpm	1.013			

Remarks: Notes:

Printed from Measurement Repository 7/31/23 12:39:08 PM GMT-05:00

Name: 0232624
Desc: South Booster Field Flar
Facility ID: SBSTERFIELDL_R1
Facility Desc: S. Booster Field Flare
Associated Loc: SOUTH EUNI

Hourly Time	Pulses	DP inH2O	SP psi	Temp F
9/13/24 0:00	-	0.00	28.45	73.78
9/13/24 1:00	-	0.00	27.71	71.71
9/13/24 2:00	-	0.00	27.90	70.02
9/13/24 3:00	-	0.00	27.89	68.95
9/13/24 4:00	-	0.00	28.39	68.33
9/13/24 5:00	-	0.00	28.44	67.15
9/13/24 6:00	-	0.00	28.27	67.57
9/13/24 7:00	-	0.00	29.37	75.64
9/13/24 8:00	-	0.00	29.50	80.77
9/13/24 9:00	-	0.00	29.86	91.25
9/13/24 10:00	-	0.00	30.17	96.67
9/13/24 11:00	-	0.00	30.08	98.72
9/13/24 12:00	-	0.00	32.71	102.56
9/13/24 13:00	-	0.00	39.54	100.93
9/13/24 14:00	-	0.00	37.04	104.20
9/13/24 15:00	-	0.00	36.07	105.37
9/13/24 16:00	-	1.77	42.90	105.68
9/13/24 17:00	-	3.42	42.92	104.45
9/13/24 18:00	-	4.00	42.93	98.30
9/13/24 19:00	-	0.00	36.87	84.15
9/13/24 20:00	-	0.00	26.30	83.55
9/13/24 21:00	-	0.00	25.00	82.01
9/13/24 22:00	-	0.00	26.68	81.92
9/13/24 23:00	-	0.00	26.49	79.96
Total:	0.00	9.18	761.48	2,063.63
Average:	#DIV/0!	0.38	31.73	85.98
Min:	0.00	0.00	25.00	67.15
Max:	0.00	4.00	42.93	105.68

Type: Meter (Gas)
Contract Hr: 0
SiteService: VRSDO.UIS
Time Zone: (UTC-07:00) Mountain Time (US & Car
DST: Yes

Volume	Energy	FlowTime
MCF	MBTU	sec
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
79.66	97,665.36	1,839.00
220.19	269,951.20	3,600.00
142.39	174,564.00	2,152.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
442.24	22,590.86	7,591.00
18.43	22,590.86	316.29
0.00	0.00	0.00
220.19	269,951.20	3,600.00

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State of New Mexico
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Oil Conservation Division
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Santa Fe, NM 87505

DEFINITIONS

Action 384151

DEFINITIONS

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 384151
	Action Type: [C-129] Venting and/or Flaring (C-129)

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.
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QUESTIONS

Action 384151

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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	Unavailable.
Incident Facility	[fLWP0113437861] EUNICE SOUTH COMPRESSOR STATION

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, minor 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	74
Nitrogen (N2) percentage, if greater than one percent	2
Hydrogen Sulfide (H2S) PPM, rounded up	1
Carbon Dioxide (C02) percentage, if greater than one percent	3
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 384151

QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	09/13/2024
Time vent or flare was discovered or commenced	04:29 PM
Time vent or flare was terminated	06:36 PM
Cumulative hours during this event	2

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Equipment Failure Gas Compressor Station Natural Gas Flared Released: 442 Mcf Recovered: 0 Mcf Lost: 442 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 routed to flare as a result of an unexpected shutdown on a compressor. The unexpected shutdown was caused by a failed piston.
Steps taken to limit the duration and magnitude of vent or flare	Operations personnel responded immediately to the unexpected shutdown. Maintenance personnel was contacted to change the failed piston.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Maintenance personnel replaced the failed piston on the compressor. The unit was restarted, normal operations resumed and the emission event ended.

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ACKNOWLEDGMENTS

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	Action Number: 384151
	Action Type: [C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

☒	I acknowledge that I am authorized to submit a <i>Venting and/or Flaring</i> (C-129) report on behalf of this operator and understand that this report can be a complete C-129 submission per 19.15.27.8 and 19.15.28.8 NMAC.
☒	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to this operator) to track any C-129 forms, pursuant to 19.15.27.7 and 19.15.28.8 NMAC and understand that this submission meets the notification requirements of Paragraph (1) of Subsection G and F respectively.
☒	I hereby certify the statements in this 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.

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CONDITIONS

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	Action Number: 384151
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
amberg	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.	9/17/2024