



Certificate of Analysis

Number: 5030-21120700-003A

Midland Laboratory

2200 East I-20

Midland, TX 79706

Phone 432-689-7252

Accounts Payable
Salt Creek Midstream
5825 N Sam Houston Pkwy W#150
Houston, TX 77086

Jan. 03, 2022

Station Name: Pliny The Elder Compressor Discharge
Station Number: 8.00.7
Method: GPA-2261
Cylinder No: 5030-02049
Analyzed: 01/03/2022 13:29:29 by MGN

Sampled By: RIGO JUAREZ
Sample Of: Gas Spot
Sample Date: 12/17/2021 15:45
Sample Conditions: 1076 psig, @ 104 °F
PO/Ref. No: WO 21.07000.5097X

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.65 psia		
Hydrogen Sulfide	0.000	0.000		GPM TOTAL C2+	6.133
Nitrogen	1.333	1.738		GPM TOTAL C3+	2.969
Carbon Dioxide	0.059	0.121		GPM TOTAL IC5+	0.516
Methane	76.918	57.443			
Ethane	11.855	16.595	3.164		
Propane	5.810	11.927	1.598		
Iso-butane	0.789	2.135	0.258		
n-Butane	1.897	5.133	0.597		
Iso-pentane	0.439	1.474	0.160		
n-Pentane	0.481	1.616	0.174		
Hexanes Plus	0.419	1.818	0.182		
	100.000	100.000	6.133		

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7442	3.2176
Calculated Molecular Weight	21.48	93.19
Compressibility Factor	0.9963	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.65 psia & 60°F		
Real Gas Dry BTU	1280	5113
Water Sat. Gas Base BTU	1258	5024

Comments: H2S Field Content 0 ppm

Data reviewed by: Marco Barrientos

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.

Salt Creek Midstream, Pliny the Elder, NM
Pressure Valve Release Calculations

Summary of Calculations

Gas Mixture Flow Rate	10.1356	kg/sec
VOC wt %	24.10%	
H2S wt %	0.00%	
MW	21.48	lbs/lb-mole
Duration of Release	10	minutes
	600	seconds
VOC Mass Released	1465.791	kg
	3224.741	lbs
VOC Mass Release Rate	3224.741	lbs/hr
Reporting Threshold ⁽¹⁾	1.000	lbs/hr
Reporting Required?	Yes	
VOC Volume	56943.396	SCF
	56.943	MCF
H2S Mass Released	0.000	kg
	0.000	lbs
H2S Mass release rate	0.000	lbs/hr
Reporting Threshold ⁽¹⁾	0.100	lbs/hr
Reporting Required?	No	
H2S Volume	0.000	SCF
	0.000	MCF
Total Mass Released	6081.364	kg
	13379.001	lbs
Total Volume	236250.242	SCF
	236.250	MCF
Reporting Threshold ⁽²⁾	50.000	MCF
Reporting Required?	Yes	

(1) NMED GCP O&G Section B110 F. 1 & 2

(2) NMAC 19.15.29.7.B

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
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Santa Fe, NM 87505

DEFINITIONS

Action 99105

DEFINITIONS

Operator: SCM Operations, LLC 5825 N Sam Houston Pkwy W Houston, TX 77086	OGRID: 330368
	Action Number: 99105
	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: <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 99105

QUESTIONS

Operator: SCM Operations, LLC 5825 N Sam Houston Pkwy W Houston, TX 77086	OGRID: 330368
	Action Number: 99105
	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	[fAPP2123262143] Red Bluff Gathering System

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	Other (Specify)
Additional details for Equipment Involved. Please specify	Discharge header PSV

Representative Compositional Analysis of Vented or Flared Natural Gas

Please provide the mole percent for the percentage questions in this group.

Methane (CH4) percentage	77
Nitrogen (N2) percentage, if greater than one percent	1
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.

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QUESTIONS, Page 2

Action 99105

QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	01/21/2022
Time vent or flare was discovered or commenced	09:00 AM
Time vent or flare was terminated	09:10 AM
Cumulative hours during this event	0

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Equipment Failure Gas Compressor Station Natural Gas Vented Released: 236 Mcf Recovered: 0 Mcf Lost: 236 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	No
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	The cause of the release was PSV malfunction The PSV lifted at 900 psi, before max pressure (1440 psi) was reached. An ice plug developed under the PSV, not allowing it to recede. Valves are checked annually to assure reliability. This valve had not hit one year of service so the annual test had not yet occurred.
Steps taken to limit the duration and magnitude of vent or flare	Immediately upon the valve activation, the system was shut down and the valve was blocked in.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	The PSV was rebuilt prior to restarting the facility.

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ACKNOWLEDGMENTS

Action 99105

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	Action Number: 99105
	Action Type: [C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	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.
<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
hayden.acosta	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.	4/22/2022