Certificate of Analysis

Number: 5030-22030002-011A

Midland Laboratory
2200 East I-20
Midland, TX 79706
Phone 432-689-7252

JIMMY POOLE
SALT CREEK MIDSTREAM
1369 I-20
PECOS, TX 79772

Mar. 04, 2022

Station Name:	Pliny The Elder Compressor Discharge	Sampled By:	RIGO JUAREZ
Station Number:	8.00.7	Sample Of:	Gas Spot
Method:	GPA-2261	Sample Date:	02/12/2022 10:30
Cylinder No:	5030-00289	Sample Conditions:	1027 psig, @ 70 °F
Analyzed:	03/03/2022 14:50:25 by CDW	PO/Ref. No:	WO 21.07000.5097X

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.65 psia		
Nitrogen	1.226	1.615		GPM TOTAL C2+	5.899
Carbon Dioxide	0.092	0.190		GPM TOTAL C3+	2.792
Methane	77.838	58.735		GPM TOTAL iC5+	0.541
Ethane	11.640	16.463	3.107		
Propane	5.394	11.188	1.483		
Iso-butane	0.708	1.936	0.231		
n-Butane	1.706	4.664	0.537		
Iso-pentane	0.423	1.435	0.154		
n-Pentane	0.496	1.683	0.179		
Hexanes Plus	0.477	2.091	0.208		
	100.000	100.000	5.899		

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.7365	3.2176
Calculated Molecular Weight	21.26	93.19
Compressibility Factor	0.9963	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.65 psia & 60°F		
Real Gas Dry BTU	1269	5113
Water Sat. Gas Base BTU	1247	5024

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.

Gas Lost From Red Bluff Launcher Actuator Failure

On 2/26 at 9:15 PM our field operators were notified we hd a leak on the Red Bluff Pig Launcher. The operators responded to location and found a 1" nipple broken off of the pig launcher barrel. The responding operator closed all valves isolating the launcher, including the block valve at the Cypress Pig Receiver downstream and shut down the Pliny station upstream. The operators found the actuator on a 20" valve had failed and parts from that actuator hit a 1" blowdown valve, breaking the nipple off causing the leak. It was also determined that the 20" valvewas leaking which let the 20" pipeline from the Red Bluff Luncher to the Cypress Receiver blow down to atmosphere. There are two calculations for gas lost in the incident; one for the time period before the system was shut in with gas leaking through the broken nipple and then a calculation for the time after the leak was isolated and the gas from the pipe was blowing down to atmospheric pressure.

Assumptions for calculations:
Operators notified of leak at 9:26 P.M.
Operators had the leak isolated by 9:45 P.M.
Gas flowing thru the leak for 33 minutes

The leak point was a broken 1" S-160 nipple, W.T. 0.25", I.D. 0.815", Aflow 0.522 in. sq.

Pressure on the system :	725	psi
Atmospheric Pressure:	13.5	psi
Gas Temperature:	80	deg F
Gas S.G.	0.7836	

Gas Lost Before Shutting In and Isolating the Leak

GAS LOSS THROUGH A PIPELINE RUPTURE OR HOLE

	Round Hole		Pipe Data		Rip or Gouge	
Diameter of hole =	0.82	inches	OD of Pipe =	0.002363262	h in inches =	0
Average Pressure =	725	psig	Wall Thickne	0.550000	h in inches =	0
Specific Gravity =	0.7836				Equivalent D	0.00
Atmos. Pressure =	13.5		For a Rip or Gouge, figure the Equivalent Diameter and place this value in the "Diameter of hole"			
Gas Temperature F =	80					
Leak Time =	0	Hours	33	Minutes		
Gas Loss in CF =	218,097		0			
Gas Loss in MCF =	218		0			
Gas Cost per MCF =	$2.00		$2.00			
Cost of Gas Loss =	$436.19		$0.00			

Gas lost before shutting in and isolating leak: 218 MCF

Gas lost blowing down the pipe and the pig barrel after the leak was isolated:

Nominal volume of pig barrel 79 cu. Ft.

Nominal volume of 20" pipe from Red Bluff Launcher to Cypress Receiver.

Pipe:	I.D. =	20"	W.T. =	0.375 "	I.D. =	19.25" = 1.604 ft.
A flow =	3.14 * D^2 / 4		=	3.142 * (1.604 ft.)^2 /4 =		2.02063 ft. sq.
Length =	2,460 ft.					
Nominal volume of 20" pipe =	L * A flow =		4971 cu. Ft.			

Nominal Blowdown Volume = volume of pig barrel plus volume of 20" pipe
Nominal Blowdown Volume = 5050 cu. Ft.

Blowdown Volume = (Nominal Volume * P absolute) / P atmospheric
Blowdown Volume = (5050 cu. ft. * 738.5 psia) / 13.5 psia
Blowdown Volume = 276,239 cu. ft. = 276 MCF

Gas lost blowing down the pipe and pig barrel after the leak was isolated = 276 MCF

Total Gas Lost For The Incident: 494 MCF

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District IV
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

DEFINITIONS

Operator: SCM Operations, LLC 5825 N Sam Houston Pkwy W Houston, TX 77086	OGRID: 330368
	Action Number: 89892
	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.

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QUESTIONS

Action 89892

QUESTIONS

Operator: SCM Operations, LLC 5825 N Sam Houston Pkwy W Houston, TX 77086	OGRID: 330368
	Action Number: 89892
	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	**[330368] SCM Operations, LLC**
Incident Type	**Flare**
Incident Status	**Closure Not Approved**
Incident Well	*Not answered.*
Incident Facility	**[fAPP2123262143] Red Bluff 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 addional 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	Valve
Additional details for Equipment Involved. Please specify	Vavle came apart and hit a 1" line.

Representative Compositional Analysis of Vented or Flared Natural Gas	
Please provide the mole percent for the percentage questions in this group.	
Methane (CH4) percentage	78
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	0
Oxygen (02) 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 (02) percentage quality requirement	*Not answered.*

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QUESTIONS (continued)

Operator:	OGRID:
SCM Operations, LLC 5825 N Sam Houston Pkwy W Houston, TX 77086	330368
	Action Number: 89892
	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	02/26/2022
Time vent or flare was discovered or commenced	09:15 PM
Time vent or flare was terminated	09:48 PM
Cumulative hours during this event	0

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Equipment Failure | Pipeline (Any) | Natural Gas Vented | Released: 494 Mcf | Recovered: 0 Mcf | Lost: 494 Mcf]
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	Cause: | | Other (Specify) | Released: 0 (Unknown Released Amount) | Recovered: 0 | Lost: 0]
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	Investigation found the actuator on a 20" valve had failed and parts from that actuator hit a 1" blowdown valve, breaking the nipple off causing the leak.
Steps taken to limit the duration and magnitude of vent or flare	Pipeline was immediately isolated and brought down upon discovery.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Currently working with valve manufacturer to determine root cause for the failure of the actuator on the 20" vavle.

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ACKNOWLEDGMENTS

Operator: SCM Operations, LLC 5825 N Sam Houston Pkwy W Houston, TX 77086	OGRID: 330368
	Action Number: 89892
	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.

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CONDITIONS

Action 89892

CONDITIONS

Operator: SCM Operations, LLC 5825 N Sam Houston Pkwy W Houston, TX 77086	OGRID: 330368
	Action Number: 89892
	Action Type: [C-129] Amend Venting and/or Flaring (C-129A)

CONDITIONS

Created By	Condition	Condition Date
michael.poffinbarger	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.	3/14/2022