

4808 North Michigan Ave. Roswell, NM. 88202-8323 (575) 626-9874

Precision Gas Measurement, Inc.**Natural Gas Analysis Report****Sample Information**

Sample Information	
Company Name	CML EXPLORATION
Lease Name	RAIDER 9-1
Location ID	
Sample Date	4/2/2020
Method Name	BTUH2S.met
Injection Date	2020-04-02 16:06:37
NGA Phys. Property Data Source	GPA Standard 2145-16 (FPS)

Component Results

Component Name	Norm%	Gross HV (Dry) (BTU / Ideal cu.ft.)	Gross HV (Sat.) (BTU / Ideal cu.ft.)	Relative Gas Density (Dry)	GPM (Dry) (Gal. / 1000 cu.ft.)
H2S	0.0001	0.0	0.0	0.00000	0.000
Nitrogen	3.1794	0.0	0.0	0.03075	0.000
Carbon Dioxide	0.3664	0.0	0.0	0.00557	0.000
Methane	70.2441	707.2	694.9	0.38908	0.000
Ethane	12.6091	222.4	218.6	0.13091	3.368
Propane	7.6311	191.4	188.1	0.11618	2.100
N-Butane	2.5582	83.2	81.7	0.05134	0.806
I-Butane	0.7675	24.9	24.4	0.01540	0.251
N-Pentane	0.7171	28.7	28.2	0.01786	0.260
I-Pentane	0.6005	24.0	23.5	0.01496	0.219
C6+	1.3265	67.8	66.6	0.04268	0.575
Water	0.0000	0.0	0.0	0.00000	0.000
Total:	100.0000	1349.6	1326.0	0.81474	7.578

Results Summary

Result	Dry	Sat. (Base)	As Delivered(Flowing)
Total Normalized Mole%	100.0000	100.0000	100.0000
Pressure Base (psia)	14.650		
Flowing Temperature (Deg. F)	83.4		
Flowing Pressure (psia)	45.7		
Water Mole%	-	1.7502	1.2733
Gross Heating Value (BTU / Ideal cu.ft.)	1349.6	1326.0	1332.4
Gross Heating Value (BTU / Real cu.ft.)	1355.7	1332.5	1338.8
Relative Density (G), Real	0.8181	0.8150	0.8158
Compressibility (Z) Factor	0.9955	0.9951	0.9952
Total GPM	7.578	7.549	7.557
Gross Wobbe Index, Real	1498.867	1476.015	1482.251

Let Your Interest In Measurement Be Our Concern

CML EXPLORATION, LLC

GAS FLARE CALCULATIONS

Incident #	nAPP2211755996			
Event began	11:00 a.m. 4/25/22	Event ended	4:00 p.m. 5/6/22	= 269 hrs = 11.21 days
	3 month Average MCF/D			
Raider 9 St # 1	101.4			
Raider 9 St # 3	114.87			
MCF flared from common facility	216.27	X	11.21 days =	2424 MCF flared in event

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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

Action 105313

DEFINITIONS

Operator: CML EXPLORATION, LLC P.O. Box 890 Snyder, TX 79550	OGRID: 256512
	Action Number: 105313
	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 105313

QUESTIONS

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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	[256512] CML EXPLORATION, LLC
Incident Type	Flare
Incident Status	Closure Not Approved
Incident Well	[30-025-43559] RAIDER 9 STATE #001
Incident Facility	Not answered.

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	Yes
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 within 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

Equipment Involved

Primary Equipment Involved	Pipeline (Any)
Additional details for Equipment Involved. Please specify	Midstream pipeline leak and plant turnaround

Representative Compositional Analysis of Vented or Flared Natural Gas

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

Methane (CH4) percentage	70
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.

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QUESTIONS, Page 2

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QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	04/25/2022
Time vent or flare was discovered or commenced	11:00 AM
Time vent or flare was terminated	04:00 PM
Cumulative hours during this event	269

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Repair and Maintenance Separator Natural Gas Flared Released: 2,424 Mcf Recovered: 0 Mcf Lost: 2,424 Mcf
Other Released Details	Not answered.
Additional details for Measured or Estimated Volume(s). Please specify	Used previous 3 months daily averages X days flared
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	Yes
Was notification of downstream activity received by this operator	Yes
Downstream OGRID that should have notified this operator	[24650] TARGA MIDSTREAM SERVICES LLC
Date notified of downstream activity requiring this vent or flare	04/20/2022
Time notified of downstream activity requiring this vent or flare	11:00 AM

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	Midstream company pipeline leak and plant turnaround
Steps taken to limit the duration and magnitude of vent or flare	Wells were shut-in and no gas was flared from 4/20/22 until 4/25/22
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Pipeline repairs were made and plant maintenance was completed.

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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
vonroedern	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.	5/9/2022