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

Certificate of Analysis

Number: 5030-25040002-002A

Station Name:	CLOSE ENCOUNTERS	Report Date:	04/15/2025
Sample Point:	SEPERATOR	Sampled By:	JOSUE J
Method:	GPA 2286	Sample Of:	Gas Spot
Cylinder No:	1111-002279	Sample Date:	03/31/2025 10:00
Instrument 1:	5030_GC11, Front (TCD)	Sample Conditions:	183 psig, @ 99 °F
Instrument 2:	FID-3,	Received Date:	04/01/2025
Analyzed:	04/04/2025 09:31:36 by ARP	Login Date:	04/01/2025

Analytical Data

Components	Mol. %	Wt. %	GPM at 14.65 psia		
Nitrogen	3.520	3.914		GPM TOTAL C2+	8.475
Methane	62.637	39.882		GPM TOTAL C3+	4.619
Carbon Dioxide	3.934	6.872		GPM TOTAL iC5+	0.764
Ethane	14.431	17.222	3.856		
Propane	9.589	16.782	2.640		
Iso-butane	1.058	2.441	0.346		
n-Butane	2.760	6.367	0.869		
Iso-pentane	0.618	1.770	0.226		
n-Pentane	0.586	1.678	0.212		
Hexanes Plus	0.867	3.072	0.326		
	100.000	100.000	8.475		

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.8734	3.0424
Calculated Molecular Weight	25.20	88.11
Compressibility Factor	0.9952	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.65 psia & 60°F		
Real Gas Dry BTU	1345	4631
Water Sat. Gas Base BTU	1321	4550

Mostafa Ahmadi

Hydrocarbon Laboratory Manager

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated. The test results apply to the sample as received.

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Analytical Data

Components	Mol. %	Wt. %	GPM at 14.65 psia		
Nitrogen	3.520	3.914		GPM TOTAL C2+	8.475
Methane	62.637	39.882			
Carbon Dioxide	3.934	6.872			
Ethane	14.431	17.222	3.856		
Propane	9.589	16.782	2.640		
Iso-Butane	1.058	2.441	0.346		
n-Butane	2.760	6.367	0.869		
Iso-Pentane	0.618	1.770	0.226		
n-Pentane	0.586	1.678	0.212		
i-Hexanes	0.219	0.734	0.087		
n-Hexane	0.080	0.278	0.034		
Benzene	0.152	0.483	0.043		
Cyclohexane	0.077	0.260	0.027		
i-Heptanes	0.153	0.554	0.060		
n-Heptane	0.021	0.083	0.010		
Toluene	0.057	0.210	0.019		
i-Octanes	0.077	0.316	0.033		
n-Octane	0.006	0.028	0.003		
Ethylbenzene	0.007	0.031	0.003		
Xylenes	0.006	0.022	0.002		
i-Nonanes	0.009	0.051	0.004		
n-Nonane	0.001	0.005	0.000		
Decane Plus	0.002	0.017	0.001		
	100.000	100.000	8.475		

Calculated Physical Properties	Total	C10+
Relative Density Real Gas	0.8734	4.1499
Calculated Molecular Weight	25.20	120.19
Compressibility Factor	0.9952	
GPA 2172 Calculation:		
Calculated Gross BTU per ft³ @ 14.65 psia & 60°F		
Real Gas Dry BTU	1344.5	5920.0
Water Sat. Gas Base BTU	1320.9	5788.7

Mostafa Ahmadi

Hydrocarbon Laboratory Manager

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Certificate of Analysis

Number: 5030-25040002-002A

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Station Name: CLOSE ENCOUNTERS
Sample Point: SEPERATOR
Received Date: 04/01/2025
Login Date: 04/01/2025
Cylinder No: 1111-002279

Report Date: 04/15/2025
Sampled By: JOSUE J
Sample Of: Gas Spot
Sample Date: 03/31/2025 10:00
Sample Conditions: 183 psig, @ 99 °F

Analytical Data

Test	Method	Result	Units	Detection Limit	Lab Tech.	Analysis Date
Hydrogen Sulfide	ASTM D-4810	ND	ppm		DMA	04/15/2025

Mostafa Ahmadi

Hydrocarbon Laboratory Manager

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated. The test results apply to the sample as received.

FLARING SUMMARY

Battery	Date	Total Flare Vol (mcf)	Hrs Flared	Start		End	
Close Encounters CTB	10/24/2025	65	24	10/24/2025	12:00AM	10/24/2025	12:00AM

High pressure on the midstream system resulted in gas routed to flare. Midstream gathering system undergoing maintenance. Field staff adjusting setpoints to mitigate flare volumes.

Sante Fe Main Office
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General Information
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Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

DEFINITIONS

Operator: LARIO OIL & GAS CO 260 N. Josephine St Denver, CO 80206	OGRID: 13089
	Action Number: 520709
	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

Operator: LARIO OIL & GAS CO 260 N. Josephine St Denver, CO 80206	OGRID: 13089
	Action Number: 520709
	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	**[30-025-52945] CLOSE ENCOUNTERS STATE COM #301H**
Incident Facility	*Unavailable.*

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	Yes
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	Pipeline (Any)
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	62
Nitrogen (N2) percentage, if greater than one percent	4
Hydrogen Sulfide (H2S) PPM, rounded up	0
Carbon Dioxide (C02) percentage, if greater than one percent	4
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: LARIO OIL & GAS CO 260 N. Josephine St Denver, CO 80206	OGRID: 13089
	Action Number: 520709
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	10/24/2025
Time vent or flare was discovered or commenced	12:00 AM
Time vent or flare was terminated	12:00 AM
Cumulative hours during this event	24

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	Cause: High Line Pressure | Pipeline (Any) | Natural Gas Flared | Released: 65 Mcf | Recovered: 0 Mcf | Lost: 65 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	Yes
Was notification of downstream activity received by this operator	No
Downstream OGRID that should have notified this operator	[215099] Coterra Energy Operating Co.
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	Sales gas re-routed to flare due to high pressure on midstream sales line.
Steps taken to limit the duration and magnitude of vent or flare	Field staff adjusting setpoints mitigate flare volumes.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Evaluating alternative midstream options and on-site gas use options.

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ACKNOWLEDGMENTS

Operator: LARIO OIL & GAS CO 260 N. Josephine St Denver, CO 80206	OGRID: 13089
	Action Number: 520709
	Action Type: [C-129] Venting and/or Flaring (C-129)

ACKNOWLEDGMENTS

☑	I acknowledge that I am authorized to submit a *Venting and/or Flaring* (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

Operator: LARIO OIL & GAS CO 260 N. Josephine St Denver, CO 80206	OGRID: 13089
	Action Number: 520709
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
ryanb	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.	10/28/2025