

Monthly Meter Analysis
April 2025



Meter #: 81417-01
Name: ROSA UNIT 228

Sample
Date: 11/09/2023
Type: Spot
Pressure: 39.0 H2O:
Temperature: 48.0 H2S:

Component	Mole %	Liquid Content	Mass %
Carbon Dioxide (CO2)	3.4351		8.7458
Nitrogen (N2)	0.3040		0.4927
Methane (C1)	95.3559		88.4979
Ethane (C2)	0.1929	0.0517	0.3356
Propane (C3)	0.6595	0.1820	1.6824
Isobutane (IC4)	0.0061	0.0020	0.0205
n-Butane (NC4)	0.0071	0.0022	0.0239
Isopentane (IC5)	0.0071	0.0026	0.0296
n-Pentane (NC5)	0.0020	0.0007	0.0083
Neopentane (neo)			
Hexanes Plus (C6+)	0.0303	0.0132	0.1633
Argon (Ar)			
Carbon Monoxide (CO)			
Hydrogen (H2)			
Oxygen (O2)			
Helium (He)			
Water (H2O)			
Hydrogen Sulfide (H2S)			
Totals	100.0000	0.2544	100.0000

Property	Total Sample
Pressure Base	14.730
Temperature Base	60.00
Relative Density	0.5978
HV, Dry @ Base P,T	989.81
HV, Sat @ Base P, T	972.54
HV, Sat @ Sample P, T	
Cricondentherm	-48.981
HCDP @ Sample Pressure	
Full Wellstream	
Free Water	
Condensate	
26 # RVP Gasoline	0.027
Testcar Permian	0.112
Testcar Panhandle	0.357
Testcar Midcon	0.256

LOGOS Operating, LLC
Rosa Unit 228
Venting due to flowline leaks
Well: 30-039-24362

During an elective flyover on August 18, 2025, a plume was identified at Rosa Unit 228. Operations confirmed a leak in the flow line on August 19, 2025, and well was shut in. Follow-up OGI performed on August 20, 2025, confirmed the leaks and the well was shut in.

Event Details

- **Start of Event: 8/18/2025 at 11:00 AM MDT**
- **End of Event: 8/19/2025 at 3:53 PM MDT**
- **Methodology: Quantified emission rate from aerial flyover applied to event duration**

Estimated Volumes:

- **8/18/2025 – 9.5 MCF**
- **8/19/2025- 11.6 MCF**

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Phone: (505) 476-3441

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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 502037

DEFINITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 502037
	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 502037

QUESTIONS

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QUESTIONS

Prerequisites <i>Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.</i>	
Incident Well	[30-039-24362] ROSA UNIT #228
Incident Facility	Unavailable.

Determination of Reporting Requirements <i>Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.</i>	
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, answer to "eight hours or more" suggests this is at least a minor event.
<i>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.</i>	
Was there at least 50 MCF of natural gas vented and/or flared during this event	No
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	Flow Line - Production
Additional details for Equipment Involved. Please specify	During an elective flyover on August 18, 2025, a plume was identified at Rosa Unit 228. Operations confirmed a leak in the flow line on August 19, 2025, and well was shut in. Follow-up OGI performed on August 20, 2025, confirmed the leaks and the well was shut in.

Representative Compositional Analysis of Vented or Flared Natural Gas <i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	95
Nitrogen (N2) percentage, if greater than one percent	0
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
<i>If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.</i>	
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	08/19/2025
Time vent or flare was discovered or commenced	12:00 AM
Time vent or flare was terminated	03:53 PM
Cumulative hours during this event	16

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Normal Operations Flow Line - Production Natural Gas Vented Released: 12 Mcf Recovered: 0 Mcf Lost: 12 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	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	• Normal Operations. LOGOS conducts AVO inspections of equipment to ensure regulatory compliance. During an elective flyover, on August 19th, 2025, a plume was identified at Rosa Unit 228. Operations identified a malfunctioned relay dump on August 19th, 2025.
Steps taken to limit the duration and magnitude of vent or flare	• The issue was resolved immediately upon discovery. Follow-up OGI detected no additional leaks on-site, on August 19th, 2025
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	• LOGOS conducts AVO inspections of equipment to ensure regulatory compliance and insure safe and environmental operation's.

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ACKNOWLEDGMENTS

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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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CONDITIONS

Created By	Condition	Condition Date
sescojeda	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.	9/3/2025