

**LOGOS Operating, LLC
Rosa Unit 294
Venting due to PRV overpressure
Well: 30-039-25198**

During an elective flyover on November 4, 2025, a plume was identified at Rosa Unit 294. Operations confirmed and isolated a piping breach on November 5, 2025.

Event Details

- **Start of Event: 11/4/2025 at 10:22 AM MT**
- **End of Event: 11/5/2025 at 4:50 PM MT**
- **Methodology: Quantified emission rate from aerial flyover applied to event duration**

Estimated Volumes:

- **11/4/2025 – 19.88 MCF**
 - **11/5/2025 – 24.55 MCF**
- Total Estimated Volume: 44.43 MCF**



2030 Afton Place
Farmington, NM 87401
(505) 325-6622

Analysis No: LG20250451
Cust No: 46600-11175

Well/Lease Information

Customer Name:	LOGOS OPERATING LLC	Source:	METER RUN
Well Name:	ROSA UNIT #294; FC	Well Flowing:	Y
County/State:	RIO ARRIBA NM	Pressure:	36 PSIG
Location:		Flow Temp:	68 DEG. F
Lease/PA/CA:	NMSF078888	Ambient Temp:	50 DEG. F
Formation:	FC	Flow Rate:	50 MCF/D
Cust. Stn. No.:	25016	Sample Method:	Purge & Fill
	CC # 62042610	Sample Date:	09/23/2025
	AREA 1 EAST	Sample Time:	10.07 AM
Heat Trace:	N	Sampled By:	BF
Remarks:		Sampled by (CO):	FGM

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.1476	0.1471	0.0160	0.00	0.0014
CO2	0.3366	0.3355	0.0580	0.00	0.0051
Methane	88.7084	88.4203	15.0760	895.95	0.4914
Ethane	7.8724	7.8468	2.1110	139.32	0.0817
Propane	2.0682	2.0615	0.5710	52.04	0.0315
Iso-Butane	0.2948	0.2938	0.0970	9.59	0.0059
N-Butane	0.2948	0.2938	0.0930	9.62	0.0059
I-Pentane	0.0802	0.0799	0.0290	3.21	0.0020
N-Pentane	0.0417	0.0416	0.0150	1.67	0.0010
Hexane Plus	0.1553	0.1548	0.0690	8.19	0.0051
Total	100.0000	99.6751	18.1350	1119.58	0.6311

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0027	CYLINDER #:	6243
BTU/CU.FT IDEAL:	1122.2	CYLINDER PRESSURE:	33 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1125.2	ANALYSIS DATE:	10/08/2025
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1105.6	ANALYSIS TIME:	02:42:39 AM
DRY BTU @ 15.025:	1147.7	ANALYSIS RUN BY:	SARAH BALLARD
REAL SPECIFIC GRAVITY:	0.6326		

GPM, BTU, and SPG calculations as shown above are based on current GPA constants.

GPA Standard: GPA-2261

GC: Danalyzer Model 500 Last Cal/Verify: 10/13/2025

GC Method: C6+ Gas



LOGOS OPERATING LLC
WELL ANALYSIS COMPARISON

Lease:	ROSA UNIT #294; FC	METER RUN	10/13/2025
Stn. No.:	25016	FC	46600-11175
Mtr. No.:	CC # 62042610		

Smpl Date:	09/23/2025	08/23/2024	06/08/2022	06/03/2021	06/04/2020	06/06/2019	06/06/2018
Test Date:	10/08/2025	08/30/2024	06/13/2022	06/15/2021	06/09/2020	06/10/2019	06/19/2018
Run No:	LG20250451	LG20240344	LG20220145	LG2021151	LG200119	LG190139	LG180155
Nitrogen:	0.1476	0.1459	0.1324	0.1178	0.1262	0.1471	0.1270
CO2:	0.3366	0.3731	0.3462	0.3404	0.3555	0.3462	0.3492
Methane:	88.7084	87.3785	88.6647	88.2108	88.2310	88.2015	88.4410
Ethane:	7.8724	8.5018	7.9098	8.2102	8.1742	8.1791	8.0593
Propane:	2.0682	2.3969	2.0796	2.1673	2.1851	2.1723	2.1010
I-Butane:	0.2948	0.3973	0.2977	0.3098	0.3141	0.3083	0.3033
N-Butane:	0.2948	0.3965	0.2916	0.3057	0.3128	0.3084	0.3029
I-Pentane:	0.0802	0.1377	0.0883	0.0906	0.0889	0.0915	0.0908
N-Pentane:	0.0417	0.0486	0.0533	0.0565	0.0544	0.0570	0.0574
Hexane+:	0.1553	0.2237	0.1364	0.1909	0.1578	0.1886	0.1681
BTU:	1125.2	1144.2	1125.5	1132.4	1130.9	1131.9	1128.9
GPM:	18.1350	18.2950	18.1390	18.2000	18.1890	18.1940	18.1690
SPG:	0.6326	0.6454	0.6328	0.6369	0.6363	0.6370	0.6349

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

Action 527693

DEFINITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 527693
	Action Type: [C-129] Venting and/or Flaring (C-129)

DEFINITIONS

<p>For the sake of brevity and completeness, please allow for the following in all groups of questions and for the rest of this application:</p> <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 527693

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	[30-039-25198] ROSA UNIT #294
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 withing 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

Equipment Involved	
Primary Equipment Involved	Dump Valve
Additional details for Equipment Involved. Please specify	During an elective flyover on November 4, 2025, a plume was identified at Rosa Unit 294. Operations confirmed and isolated a piping breach on November 5, 2025.

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	89
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

Action 527693

QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	11/05/2025
Time vent or flare was discovered or commenced	12:00 AM
Time vent or flare was terminated	04:50 PM
Cumulative hours during this event	15

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Normal Operations Dump Valve Natural Gas Vented Released: 25 Mcf Recovered: 0 Mcf Lost: 25 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	During an elective flyover on November 4, 2025, a plume was identified at Rosa Unit 294. Operations confirmed and isolated a piping breach on November 5, 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 November 6, 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 operations.

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ACKNOWLEDGMENTS

Action 527693

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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
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.	11/18/2025