



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

Analysis No: LG20260092  
Cust No: 46600-11865

**Well/Lease Information**

Customer Name:	LOGOS OPERATING LLC	Source:	METER RUN
Well Name:	ROSA UNIT 664H	Well Flowing:	Y
County/State:	RIO ARRIBA NM	Pressure:	265 PSIG
Location:		Flow Temp:	105 DEG. F
Lease/PA/CA:	NMSF078764	Ambient Temp:	21 DEG. F
Formation:	MANCOS	Flow Rate:	4000 MCF/D
Cust. Stn. No.:	17035	Sample Method:	Purge & Fill
		Sample Date:	02/06/2026
	CC# 69000066	Sample Time:	5.28 AM
	AREA #1	Sampled By:	BF
Heat Trace:	N	Sampled by (CO):	FGM
Remarks:			

**Analysis**

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.1059	0.1050	0.0120	0.00	0.0010
CO2	3.3791	3.3494	0.5780	0.00	0.0513
Methane	96.1651	95.3188	16.3330	971.27	0.5327
Ethane	0.3317	0.3288	0.0890	5.87	0.0034
Propane	0.0129	0.0128	0.0040	0.32	0.0002
Iso-Butane	0.0011	0.0011	0.0000	0.04	0.0000
N-Butane	0.0018	0.0018	0.0010	0.06	0.0000
I-Pentane	0.0000	0.0000	0.0000	0.00	0.0000
N-Pentane	0.0000	0.0000	0.0000	0.00	0.0000
Hexane Plus	0.0024	0.0024	0.0010	0.13	0.0001
<b>Total</b>	<b>100.0000</b>	<b>99.1201</b>	<b>17.0180</b>	<b>977.68</b>	<b>0.5888</b>

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

\*\*@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0021	CYLINDER #:	048
BTU/CU.FT IDEAL:	979.9	CYLINDER PRESSURE:	261 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	982.0	ANALYSIS DATE:	02/16/2026
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	964.9	ANALYSIS TIME:	11:43:49 AM
DRY BTU @ 15.025:	1001.7	ANALYSIS RUN BY:	Sami Armenta
REAL SPECIFIC GRAVITY:	0.5898		

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: 02/17/2026

GC Method: C6+ Gas





LOGOS OPERATING LLC  
WELL ANALYSIS COMPARISON

Lease: ROSA UNIT 664H  
Stn. No.: 17035  
Mtr. No.:

METER RUN  
MANCOS

02/17/2026  
46600-11865

08/07/2024	07/08/2024	06/03/2024	05/09/2024	04/03/2024	03/04/2024	02/06/2024
08/13/2024	07/11/2024	06/07/2024	05/20/2024	04/08/2024	03/14/2024	02/09/2024
LG20240328	LG20240260	LG20240195	LG20240167	LG20240132	LG20240111	LG20240058
0.0738	0.0689	0.0891	0.0576	0.0590	0.0555	0.0568
3.2539	3.2663	3.2076	3.1647	3.1078	3.2092	3.0876
96.3596	96.3590	96.3924	96.4709	96.5257	96.4319	96.5497
0.3003	0.2970	0.2996	0.2962	0.2996	0.2958	0.2980
0.0099	0.0081	0.0096	0.0076	0.0079	0.0076	0.0079
0.0011	0.0007	0.0010	0.0030	0.0000	0.0000	0.0000
0.0014	0.0000	0.0007	0.0000	0.0000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
983.2	983.0	983.5	984.2	984.7	983.7	985.0
17.0130	17.0140	17.0130	17.0140	17.0140	17.0140	17.0140
0.5882	0.5883	0.5878	0.5872	0.5867	0.5876	0.5865
01/09/2024	09/21/2022					
01/16/2024	09/22/2022					
LG20240045	LG20220233					
0.0569	0.0640					
3.0089	2.2519					
96.6239	97.3867					
0.3024	0.2856					
0.0079	0.0100					
0.0000	0.0006					
0.0000	0.0012					
0.0000	0.0000					
0.0000	0.0000					
0.0000	0.0000					
985.8	993.3					
17.0140	17.0120					
0.5857	0.5784					

**LOGOS Operating, LLC  
Rosa Unit 664H  
Dump Valve Malfunction  
Well: 30-039-31418**

**LOGOS Continuous Monitoring System (CCAI) detected a leak at 10:16 PM on March 21, 2026. Operations personnel were dispatched to the site, where they identified a malfunctioning dump valve as the source. The valve was promptly repaired upon discovery.**

**Event Details**

- **Start of Event: 3/21/2026 at 7:17 PM AM MT**
- **End of Event: 3/22/2026 at 7:44 PM PM MT**
- **Methodology: Production differential**

**Estimated Volumes:**

- **3/21/2026- 141.6 MCF**
- **3/22/2026- 102.4 MCF**

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

General Information  
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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 572607

**DEFINITIONS**

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 572607
	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 572607

**QUESTIONS**

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 572607
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

<b>Prerequisites</b>	
<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	[30-039-31418] ROSA UNIT #664H
Incident Facility	Unavailable.

<b>Determination of Reporting Requirements</b>	
<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	No
Is this considered a submission for a vent or flare event	Yes, minor venting and/or flaring of natural gas.
<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	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

<b>Equipment Involved</b>	
Primary Equipment Involved	Dump Valve
Additional details for Equipment Involved. Please specify	Not answered.

<b>Representative Compositional Analysis of Vented or Flared Natural Gas</b>	
<i>Please provide the mole percent for the percentage questions in this group.</i>	
Methane (CH4) percentage	96
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	3
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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Action 572607

**QUESTIONS (continued)**

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	Action Number: 572607
	Action Type: [C-129] Venting and/or Flaring (C-129)

**QUESTIONS**

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	03/21/2026
Time vent or flare was discovered or commenced	07:17 PM
Time vent or flare was terminated	11:59 PM
Cumulative hours during this event	4

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Normal Operations   Dump Valve   Natural Gas Vented   Released: 142 Mcf   Recovered: 0 Mcf   Lost: 142 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	LOGOS Continuous Monitoring System (CCAI) detected a leak at 10:16 PM on March 21, 2026. Operations personnel were dispatched to the site, where they identified malfunctioning dump valve as the source. The valve was promptly repaired upon discovery.
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 onsite.
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 environmental operation's.



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ACKNOWLEDGMENTS

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	Action Number: 572607
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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 <b>complete</b> 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.	4/8/2026