



Meter: 83388-01 - ROSA UNIT 31 B
Field Location:
Reason: Gas Analysis
Last Task Date: 5/6/2025 12:00:00AM
Date Performed: 8/3/2026 12:00:00AM

Identification

Customer:	4071 - LOGOS OPERATING LLC 40	Area:	San Juan	Agency:	Town:	31N
Operator:	4071 - LOGOS OPERATING LLC 40	County:	Rio Arriba	Federal ID:	Range:	5W
Division:	FOUR CORNERS	State:	New Mexico	Quarter:	Section:	17

Lab Information

Test #: 44001	Brand:	Agilent	Pressure Base:	14.730 psi
GC ID: 490	Model:	490	Temperature Base:	60.000 °F
	Serial:	SN19216001		

Gas Sample Information

Cylinder Number:	0350	Sample Pressure:	136.000 psi	Field Density:	1.9300
Cylinder Cleaned:	Yes	Sample Temp.:	53.000 °F	Field HV:	1007.000
Sample Type:	Spot	Ambient Temp.:		Field H2S:	
Sample Taken:	Yes	Flow Rate:	540.000 Mcf/d	Field H2O:	
Sample Method:	Purge Fill			Field O2:	
Sample Date:	7-30-2026 1:47:52 PM			Field Sulfur:	
				Field HCDP:	

Sampled By/Company: Josh Varnadore / HARVEST MIDSTREAM CO

Analysis Results

Components	Mol %	GPMs		@ 14.696 psi 60°F		@ 14.730 psi 60°F		@ psi 60°F	
				Real	Ideal	Real	Ideal	Real	Ideal
CO2:	1.6805								
N2:	0.1118		HV Dry (Btu/scf):	1004.997	1002.930	1007.326	1005.251		
C1:	97.1288		HV Sat (Btu/scf):	985.423	983.397	987.748	985.712		
C2:	0.8453	0.2259	Density (Rel):	0.5786	0.5777	0.5786	0.5777		
C3:	0.1507	0.0415							
iC4:	0.0289	0.0095							
nC4:	0.0140	0.0044	Wobbe (Btu/scf):	1321.210		1324.271			
iC5:	0.0110	0.0040	Comp (Zb) :	0.997944		0.997939			
nC5:	0.0050	0.0018	HCDP (°F):						
neoC5:		0.0000	CCTt (°F):	-55.093					
C6:	0.0240	0.0099	CCTp (psia):	343.034					
C7:		0.0000	Inerts (mol%):	1.7923					
C8:		0.0000							
C9:		0.0000							
C10:		0.0000							
Ar:									
CO:									
H2:									
O2:									
He:									
H2S:									
Total:	100.0000	0.2970							

Analysis determined by GPA Method 2261-13. Calculation constants from GPA-2145 2016 (FPS).

Approval

Status: Approved	Approver:	Date:
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Notes

ROSA UNIT 31B — C-129 Emission Volume Calculation

LOGOS Operating, LLC | Cycle-equivalent Volume | Suspected Malfunctioned Dump Valve

Event Details			
Well:	Rosa Unit 31B		
API / OGRID:	3003926579		
Emission ID / Obs ID:	tan20260808t191650c84s4001-A		
Lat/Lon (detection):	36.90507, -107.39241		
Area:	1		
Detection source note:	Carbon Mapper- NMOCD RFI Suspected gas bypass through the separator dump valve, intermittently based on SCADA trends.		
Event Type:	8/8/2026 19:16:50 UTC		
Satellite Detection Time:	OGI 3/16/2026 (no leaks) / AVO 7/8/2026		
Prior OGI / AVO:	8/7/2026 2:02 PM MT (csg pressure decrease)		
Start of Event 1:	8/8/2026 6:43 AM MT (csg psi increase)		
End of Event 1:	8/8/2026 10:35 AM MT (csg pressure decrease)		
Start of Event 2:	8/11/2026 7:17 AM MT (csg psi increase)		
End of Event 2:	Cycle-equivalent Volume Estimate		
Methodology:	NMOCD Form C-129		
Reporting:	CH4 Gas Stream (mcf)		
Detection rate- CH4 (kg/hr):	977	1256.043419	

Production Rate to Missed Sales Events			
Date	Missed Sales Events	Average Sales Cycle Volume (MCF)	Daily Vented Volume (MCF)
8/7/2026	2.00	13.2	26.4
8/8/2026	5.00	13.2	66.0
8/9/2026	5.00	13.2	66.0
8/10/2026	5.00	13.2	66.0
8/11/2026	1.00	13.2	13.2
Total	18.00		237.6

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

General Information
Phone: (505) 629-6116

Online Phone Directory
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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 627994

DEFINITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 627994
	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 627994

QUESTIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 627994
	Action Type: [C-129] Venting and/or Flaring (C-129)

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	[30-039-26579] ROSA UNIT #031B
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	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

Equipment Involved	
Primary Equipment Involved	Dump Valve
Additional details for Equipment Involved. Please specify	Not answered.

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	97
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	2
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 627994

QUESTIONS (continued)

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 627994
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	08/08/2026
Time vent or flare was discovered or commenced	12:00 AM
Time vent or flare was terminated	06:43 AM
Cumulative hours during this event	7

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Normal Operations Dump Valve Natural Gas Vented Released: 66 Mcf Recovered: 0 Mcf Lost: 66 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 Conducts AVO and flyover inspections of all well
Steps taken to limit the duration and magnitude of vent or flare	Mitigate dump valve .LOGOS Conducts AVO and flyover inspections of all wells.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Mitigate concerns with dump valve

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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

Action 627994

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	Action Number: 627994
	Action Type: [C-129] Venting and/or Flaring (C-129)

CONDITIONS

Created By	Condition	Condition Date
vanessaf	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.	9/25/2026