



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

Analysis No: LG20250194
Cust No: 46600-12110

Well/Lease Information

Customer Name: LOGOS OPERATING LLC
Well Name: ROSA UNIT 704H
County/State: RIO ARRIBA NM
Location:
Lease/PA/CA: NMSF078767
Formation: MS
Cust. Stn. No.: 17054-01A

Source: METER RUN
Well Flowing: Y
Pressure: 629 PSIG
Flow Temp: 149 DEG. F
Ambient Temp: 55 DEG. F
Flow Rate: 15,000 MCF/D
Sample Method: Purge & Fill
Sample Date: 05/13/2025
Sample Time: 7.17 AM
Sampled By: BF
Sampled by (CO): FGM

CC# 69000094
AREA 1
Heat Trace: N

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.0602	0.0598	0.0070	0.00	0.0006
CO2	3.1817	3.1597	0.5440	0.00	0.0483
Methane	96.5678	95.9012	16.4010	975.33	0.5349
Ethane	0.1863	0.1850	0.0500	3.30	0.0019
Propane	0.0040	0.0040	0.0010	0.10	0.0001
Iso-Butane	0.0000	0.0000	0.0000	0.00	0.0000
N-Butane	0.0000	0.0000	0.0000	0.00	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	0.0000	0.0000	0.0000	0.00	0.0000
Total	100.0000	99.3097	17.0030	978.73	0.5858

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0021
BTU/CU.FT IDEAL: 981.0
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 983.1
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 966.0
DRY BTU @ 15.025: 1002.8
REAL SPECIFIC GRAVITY: 0.5868

CYLINDER #: 60
CYLINDER PRESSURE: 629 PSIG
ANALYSIS DATE: 05/15/2025
ANALYSIS TIME: 01:02:51 PM
ANALYSIS RUN BY: ALEXIS MITCHELL

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: 05/20/2025

GC Method: C6+ Gas



LOGOS OPERATING LLC
WELL ANALYSIS COMPARISON

Lease:	ROSA UNIT 704H	METER RUN	05/20/2025
Stn. No.:	17054-01A	MS	46600-12110
Mtr. No.:			

Smpl Date:	05/13/2025	04/02/2025	03/11/2025	02/04/2025	01/07/2025	12/03/2024	11/11/2024
Test Date:	05/15/2025	04/10/2025	03/14/2025	02/06/2025	01/10/2025	12/13/2024	11/18/2024
Run No:	LG20250194	LG20250149	LG20250117	LG20250066	LG20250044	LG20240476	LG20240455
Nitrogen:	0.0602	0.0599	0.0566	0.0590	0.0590	0.0746	0.0568
CO2:	3.1817	3.1108	3.0340	2.8986	2.7792	2.6277	2.5467
Methane:	96.5678	96.6237	96.7183	96.8511	96.9668	97.0977	97.1901
Ethane:	0.1863	0.1882	0.1867	0.1868	0.1903	0.1946	0.1973
Propane:	0.0040	0.0046	0.0044	0.0045	0.0047	0.0054	0.0069
I-Butane:	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000	0.0006
N-Butane:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0016
I-Pentane:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
N-Pentane:	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hexane+:	0.0000	0.0126	0.0000	0.0000	0.0000	0.0000	0.0000
BTU:	983.1	984.4	984.6	986.0	987.2	988.6	989.7
GPM:	17.0030	17.0070	17.0030	17.0030	17.0030	17.0010	17.0040
SPG:	0.5868	0.5865	0.5854	0.5841	0.5829	0.5816	0.5808

10/18/2024

10/23/2024

LG20240430

0.0723

2.4294

97.3174

0.1758

0.0035

0.0000

0.0000

0.0000

0.0000

0.0000

990.5

17.0000

0.5796

**LOGOS Operating, LLC
Rosa Unit Pad 24
Flaring due to a pipeline malfunction
Facility: fAPP2407859030**

TOTAL VOLUME: 8,936 MCF

START OF EVENT: 6/3/2025 at 10:14 AM

END OF EVENT: 6/4/2025 at 2:43 AM

Volume from the pad was measured by meters and added together to represent total facility volume flared.

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 470648

DEFINITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 470648
	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 470648

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	Unavailable.
Incident Facility	[fAPP2407859030] PAD 24

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, major 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	Well
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	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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QUESTIONS, Page 2

Action 470648

QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	06/04/2025
Time vent or flare was discovered or commenced	12:00 AM
Time vent or flare was terminated	02:43 AM
Cumulative hours during this event	2

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Cause: Midstream Emergency Maintenance Well Natural Gas Flared Released: 1,673 Mcf Recovered: 0 Mcf Lost: 1,673 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	Yes
Downstream OGRID that should have notified this operator	[373888] Harvest Four Corners, LLC
Date notified of downstream activity requiring this vent or flare	06/03/2025
Time notified of downstream activity requiring this vent or flare	12:00 AM

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	Once volumes were determined it was noted that on 6/4/2025 the volume exceeded 500 mcf for the 2 hour duration therefore causing the major notification notice from 6/3/2025. The flaring incident was caused by Harvest Midstream going plant going down causing, necessitating emergency flaring by LOGOS Operating to address the situation.
Steps taken to limit the duration and magnitude of vent or flare	The steps taken to limit the duration would be we choked the wells back immediately to limit the volume.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	LOGOS had to go to flare to protect the integrity of the wellbore

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ACKNOWLEDGMENTS

Action 470648

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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
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.	6/17/2025