



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

Analysis No: LG20230239
Cust No: 46600-12000

Well/Lease Information

Customer Name:	LOGOS OPERATING LLC	Source:	METER RUN
Well Name:	ROSA UNIT #650H	Well Flowing:	Y
County/State:	RIO ARRIBA NM	Pressure:	375 PSIG
Location:		Flow Temp:	113 DEG. F
Lease/PA/CA:		Ambient Temp:	66 DEG. F
Formation:	MANCOS	Flow Rate:	2560 MCF/D
Cust. Stn. No.:		Sample Method:	Purge & Fill
	30-039-31330	Sample Date:	10/23/2023
	CC# 62411529	Sample Time:	11.45 AM
	AREA #1	Sampled By:	W. SHORT
Heat Trace:	N	Sampled by (CO):	ICS
Remarks:			

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.0753	0.0746	0.0080	0.00	0.0007
CO2	2.3723	2.3490	0.4060	0.00	0.0360
Methane	97.3153	96.3580	16.5280	982.88	0.5390
Ethane	0.2270	0.2248	0.0610	4.02	0.0024
Propane	0.0081	0.0080	0.0020	0.20	0.0001
Iso-Butane	0.0007	0.0007	0.0000	0.02	0.0000
N-Butane	0.0013	0.0013	0.0000	0.04	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	99.0164	17.0050	987.17	0.5783

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0021	CYLINDER #:	7050
BTU/CU.FT IDEAL:	989.5	CYLINDER PRESSURE:	343 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	991.5	ANALYSIS DATE:	10/24/2023
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	974.2	ANALYSIS TIME:	02:34:12 PM
DRY BTU @ 15.025:	1011.4	ANALYSIS RUN BY:	SARAH BALLARD
REAL SPECIFIC GRAVITY:	0.5793		

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: 10/25/2023

GC Method: C6+ Gas



LOGOS OPERATING LLC
WELL ANALYSIS COMPARISON

Lease:	ROSA UNIT #650H	METER RUN	10/25/2023
Stn. No.:		MANCOS	46600-12000
Mtr. No.:	30-039-31330		

Smpl Date: 10/23/2023
Test Date: 10/24/2023
Run No: LG20230239

Nitrogen: 0.0753
CO2: 2.3723
Methane: 97.3153
Ethane: 0.2270
Propane: 0.0081
I-Butane: 0.0007
N-Butane: 0.0013
I-Pentane: 0.0000
N-Pentane: 0.0000
Hexane+: 0.0000

BTU: 991.5
GPM: 17.0050
SPG: 0.5793

LOGOS Operating, LLC
Pad 29
Flared because of pipeline malfunction (Harvest)
Facility: fAPP2134436516

Flowback Reports

Date & time	Approx. Gas Flared (mcf)
10/30/2023 1:00	52.2

650H Flowback Report

Date & time	Approx. Gas Flared (mcf)
10/30/2023 1:00	57

652H Flowback Report

TOTAL VOLUME: 109.2 MCF

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District IV
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Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

DEFINITIONS

Action 283348

DEFINITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 283348
	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 283348

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	[fAPP2134436516] PAD 29 UF-FAC

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	Gas Compressor Station
Additional details for Equipment Involved. Please specify	ESD Shut Down At Harvest Facility

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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Action 283348

QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	10/30/2023
Time vent or flare was discovered or commenced	12:00 AM
Time vent or flare was terminated	12:58 AM
Cumulative hours during this event	1

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 Gas Compressor Station Natural Gas Flared Released: 109 Mcf Recovered: 0 Mcf Lost: 109 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	10/30/2023
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.	False
Please explain reason for why this event was beyond this operator's control	Midstream ESD Event
Steps taken to limit the duration and magnitude of vent or flare	Flare shut down
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	Midstream ESD

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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
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.	11/7/2023