



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

Analysis No: LG2021366
Cust No: 46600-11795

Well/Lease Information

Customer Name: LOGOS OPERATING LLC
Well Name: ROSA UNIT 654H
County/State: RIO ARRIBA NM
Location:
Lease/PA/CA: SF078769
Formation: MANCOS
Cust. Stn. No.: CC #190103
17025-01A

Source: METER RUN
Well Flowing: Y
Pressure: 510 PSIG
Flow Temp: 100 DEG. F
Ambient Temp: 70 DEG. F
Flow Rate: 17132 MCF/D
Sample Method:
Sample Date: 10/20/2021
Sample Time: 12.00 AM
Sampled By: ROBERT A. JORDAN
Sampled by (CO): LOGOS

Heat Trace: N
Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.0604	0.0601	0.0070	0.00	0.0006
CO2	2.6327	2.6197	0.4500	0.00	0.0400
Methane	97.0485	96.5704	16.4830	980.19	0.5376
Ethane	0.2509	0.2497	0.0670	4.44	0.0026
Propane	0.0061	0.0061	0.0020	0.15	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	0.0014	0.0014	0.0010	0.07	0.0000
Total	100.0000	99.5074	17.0100	984.86	0.5809

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0021
BTU/CU.FT IDEAL: 987.1
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 989.2
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 972.0
DRY BTU @ 15.025: 1009.0
REAL SPECIFIC GRAVITY: 0.5819

CYLINDER #: 6040
CYLINDER PRESSURE: 405 PSIG
ANALYSIS DATE: 10/21/2021
ANALYSIS TIME: 01:03:54 AM
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: 10/21/2021

GC Method: C6+ Gas



LOGOS OPERATING LLC
WELL ANALYSIS COMPARISON

Lease:	ROSA UNIT 654H	METER RUN	10/21/2021
Stn. No.:	CC #190103	MANCOS	46600-11795
Mtr. No.:	17025-01A		

Smpl Date:	10/20/2021	08/30/2021
Test Date:	10/21/2021	08/31/2021
Run No:	LG2021366	LG2021320
Nitrogen:	0.0604	0.3648
CO2:	2.6327	0.5172
Methane:	97.0485	98.8797
Ethane:	0.2509	0.2230
Propane:	0.0061	0.0083
I-Butane:	0.0000	0.0008
N-Butane:	0.0000	0.0012
I-Pentane:	0.0000	0.0000
N-Pentane:	0.0000	0.0000
Hexane+:	0.0014	0.0050
BTU:	989.2	1007.5
GPM:	17.0100	16.9840
SPG:	0.5819	0.5626

LOGOS Operating, LLC
Pad UF-FAC
Flared thru Flare Stack – Meter 17025-01A
fAPP2134436516
Unit A, Section 25 T31N R06W
36.874968, -107.408804 NAD83

Flowback report (654H)

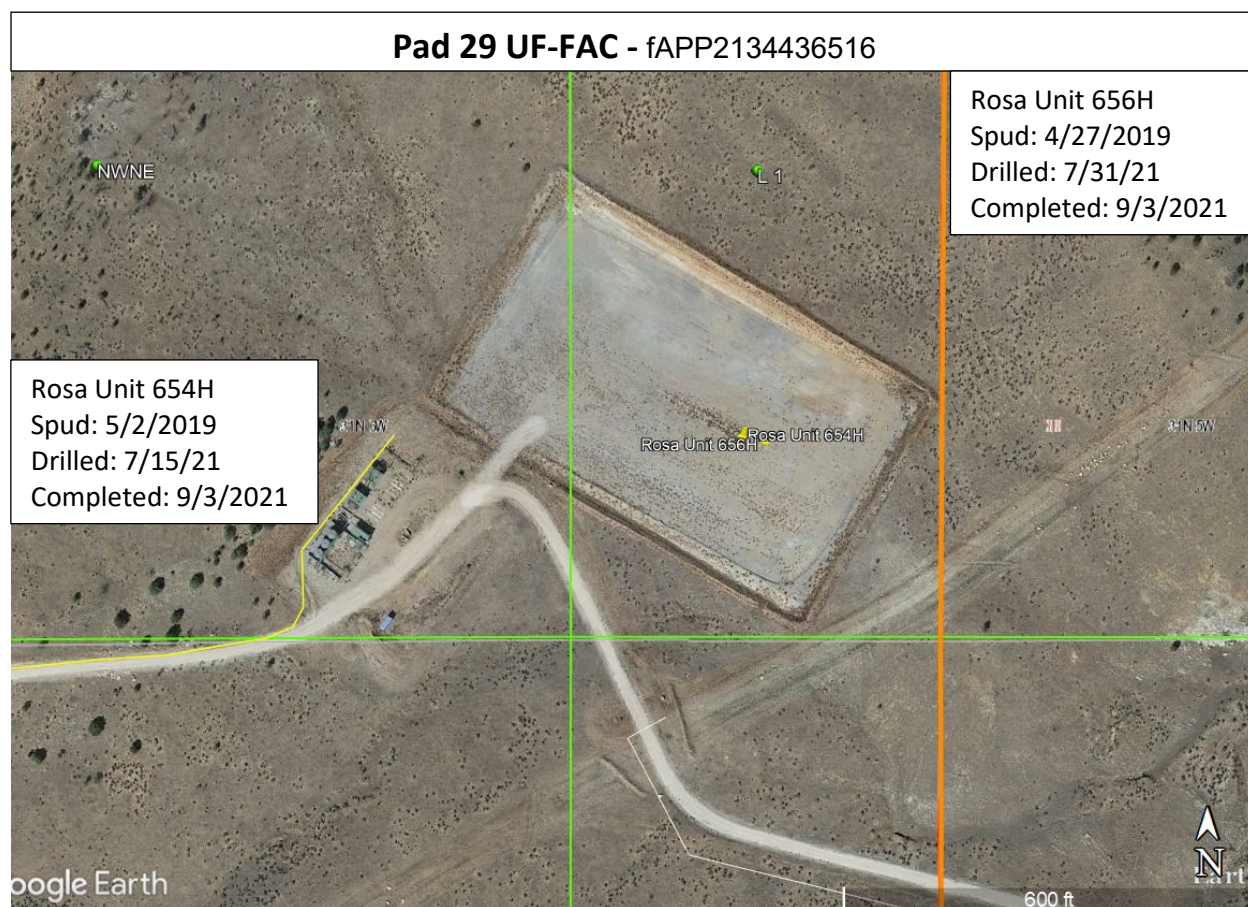
Date & time	Approx. Gas Flared (mcf)	Well Head Temp (F)
11/27/2021 5:00	0	143
11/27/2021 6:00	0	141
11/27/2021 7:00	120	139
11/27/2021 8:00	622	140
11/27/2021 9:00	0	139
11/27/2021 10:00	0	141

Flowback report (656H)

11/27/2021 5:00	0	133
11/27/2021 6:00	0	133
11/27/2021 7:00	121	136
11/27/2021 8:00	629	134
11/27/2021 9:00	0	134
11/27/2021 10:00	0	134

6:25 High Pipeline Pressure Gas to Flare.

7:43 Gas to Pipeline.



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District IV
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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 66423

DEFINITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 66423
	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: <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 66423

QUESTIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 66423
	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	Not answered.
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, 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 withing 300 feet from an occupied permanent residence, school, hospital, institution or church in existence	No

Equipment Involved	
Primary Equipment Involved	Unknown
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 66423

QUESTIONS (continued)

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QUESTIONS

Date(s) and Time(s)	
Date vent or flare was discovered or commenced	11/27/2021
Time vent or flare was discovered or commenced	06:25 AM
Time vent or flare was terminated	07:43 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: Freeze Gas Compressor Station Natural Gas Flared Released: 1,492 Mcf Recovered: 0 Mcf Lost: 1,492 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	No
Downstream OGRID that should have notified this operator	[373888] Harvest Four Corners, LLC
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	Harvest Pipeline A-59 CDP went down due to a line freeze on the De-Hy and back caused LOGOS to flare. This issue happened so fast.
Steps taken to limit the duration and magnitude of vent or flare	Notified Harvest immediately regarding the freeze activity and Harvest took action.
Corrective actions taken to eliminate the cause and reoccurrence of vent or flare	The flaring was due to an emergency line freeze at A-59 CDP from Harvest Mid-stream. LOGOS took action and had minimal flaring at site.

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ACKNOWLEDGMENTS

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	Action Number: 66423
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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
marie florez	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.	12/12/2021