



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

Analysis No: LG2021366
Cust No: 46600-11795

Well/Lease Information

Customer Name: LOGOS OPERATING LLC	Source: METER RUN
Well Name: ROSA UNIT 654H	Well Flowing: Y
County/State: RIO ARRIBA NM	Pressure: 510 PSIG
Location:	Flow Temp: 100 DEG. F
Lease/PA/CA: SF078769	Ambient Temp: 70 DEG. F
Formation: MANCOS	Flow Rate: 17132 MCF/D
Cust. Stn. No.: CC #190103	Sample Method:
17025-01A	Sample Date: 10/20/2021
	Sample Time: 12.00 AM
	Sampled By: ROBERT A. JORDAN
Heat Trace: N	Sampled by (CO): LOGOS
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	CYLINDER #:	6040
BTU/CU.FT IDEAL:	987.1	CYLINDER PRESSURE:	405 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	989.2	ANALYSIS DATE:	10/21/2021
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	972.0	ANALYSIS TIME:	01:03:54 AM
DRY BTU @ 15.025:	1009.0	ANALYSIS RUN BY:	ALEXIS MITCHELL
REAL SPECIFIC GRAVITY:	0.5819		

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
Rosa Unit 654H
Flared during flowback – Meter 17025-01A
API: 30-039-31384
Unit A, Section 25 T31N R06W
36.874968, -107.408804 NAD83

1199 ROSA UNIT 654H SEP GAS MTR 17025-01A							
Date	Gas Flowed	Hours Flowed	Comments	Differential	Static Pressure Psia	Gas Temp	
10/21/2021	8,568.10	0		143.5887298	442.8529663	101.3314056	
10/20/2021	8,466.70	0	Flared due to Malfunction with Harvest gathering	142.8719177	448.3872985	100.5719833	
10/19/2021	8,736.94	0		143.4380950	443.5162963	97.99849700	
10/18/2021	8,822.97	0		151.1587219	435.4469604	98.96166229	
10/17/2021	8,900.05	0		153.3372192	435.3880310	101.3430023	
10/16/2021	8,987.07	0		161.0317687	433.2745666	100.3416442	
10/15/2021	9,088.69	0		161.4083862	432.1282348	99.32635498	
10/14/2021	9,197.51	0		158.3421936	437.1514587	94.10530853	
10/13/2021	8,675.30	0		164.4255523	440.1860961	98.29847717	

Flowback report

Date & time	Flaring Cum Time	Approx. Gas Flared (mcf)	Well Head Temp (F)
10/20/2021 10:00	2:00:00	0	143
10/20/2021 11:00	2:00:00	0	141
10/20/2021 12:00	3:00:00	587	139
10/20/2021 13:00	4:00:00	720	140
10/20/2021 14:00	5:00:00	317	139
10/20/2021 15:00	5:00:00	0	141



District I
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Phone:(575) 393-6161 Fax:(575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
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

QUESTIONS

Action 57422

QUESTIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 57422
	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	[30-039-31384] ROSA UNIT #654H
Incident Facility	Not answered.

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 or is this venting and/or flaring caused by an emergency or malfunction	Yes
Did or will this venting and/or flaring last eight hours or more cumulatively within any 24-hour period from a single event	No
Is this considered a submission for a venting and/or flaring 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 or will there be at least 50 MCF of natural gas vented and/or flared during this event	Yes
Did this venting and/or flaring 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 venting and/or flaring 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.

Date(s) and Time(s)	
Date venting and/or flaring was discovered or commenced	10/20/2021
Time venting and/or flaring was discovered or commenced	11:00 AM
Time venting and/or flaring was terminated	03:00 PM
Cumulative hours during this event	4

Measured or Estimated Volume of Vented or Flared Natural Gas	
Natural Gas Vented (Mcf) Details	Cause: Midstream Emergency Maintenance Gas Compressor Station Natural Gas Vented Released: 1,624 Mcf Recovered: 0 Mcf Lost: 1,624 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 or is this venting and/or flaring a result of downstream activity	Yes
Was notification of downstream activity received by you or your operator	No
Downstream OGRID that should have notified you or your operator	[373888] Harvest Four Corners, LLC
Date notified of downstream activity requiring this venting and/or flaring	Not answered.
Time notified of downstream activity requiring this venting and/or flaring	Not answered.

Steps and Actions to Prevent Waste	
For this event, the operator could not have reasonably anticipated the current event and it was beyond the operator's control.	True
Please explain reason for why this event was beyond your operator's control	Harvest El Cedro went down and backed pressure into Rosa UNit 654H and 656H and caused LOGOS to flare instead to blowing down. This issue happened so fast.
Steps taken to limit the duration and magnitude of venting and/or flaring	Notified Harvest immediately regarding high line pressure activity and Harvest took action to repair. LOGOS diverted the gas downstream immediately to a different CDP.
Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring	The flaring was due to a mal-function emergency from Harvest Mid-stream. The El Cedro plant went down and LOGOS immediately took action but flared very minimal.

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CONDITIONS
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Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 57422
	Action Type: [C-129] Venting and/or Flaring (C-129)

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.	10/21/2021