



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

Analysis No: LG2021365
Cust No: 46600-11810

Well/Lease Information

Customer Name: LOGOS OPERATING LLC
Well Name: ROSA UNIT 656H
County/State: RIO ARRIBA NM
Location:
Lease/PA/CA:
Formation:
Cust. Stn. No.: CC #190104
17026-01B

Source: METER RUN
Well Flowing: Y
Pressure: 518 PSIG
Flow Temp: 100 DEG. F
Ambient Temp: 70 DEG. F
Flow Rate: 17410 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	0.0597	0.0594	0.0070	0.00	0.0006
CO2	2.6714	2.6586	0.4570	0.00	0.0406
Methane	96.9929	96.5288	16.4740	979.63	0.5372
Ethane	0.2687	0.2674	0.0720	4.76	0.0028
Propane	0.0073	0.0073	0.0020	0.18	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	99.5215	17.0120	984.57	0.5813

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0021
BTU/CU.FT IDEAL: 986.8
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 988.9
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 971.7
DRY BTU @ 15.025: 1008.7
REAL SPECIFIC GRAVITY: 0.5823

CYLINDER #: 6013
CYLINDER PRESSURE: 518 PSIG
ANALYSIS DATE: 10/21/2021
ANALYSIS TIME: 01:08:11 AM
ANALYSIS RUN BY: RICHARD WILSON

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 656H	METER RUN	10/21/2021
Stn. No.:	CC #190104		46600-11810
Mtr. No.:	17026-01B		

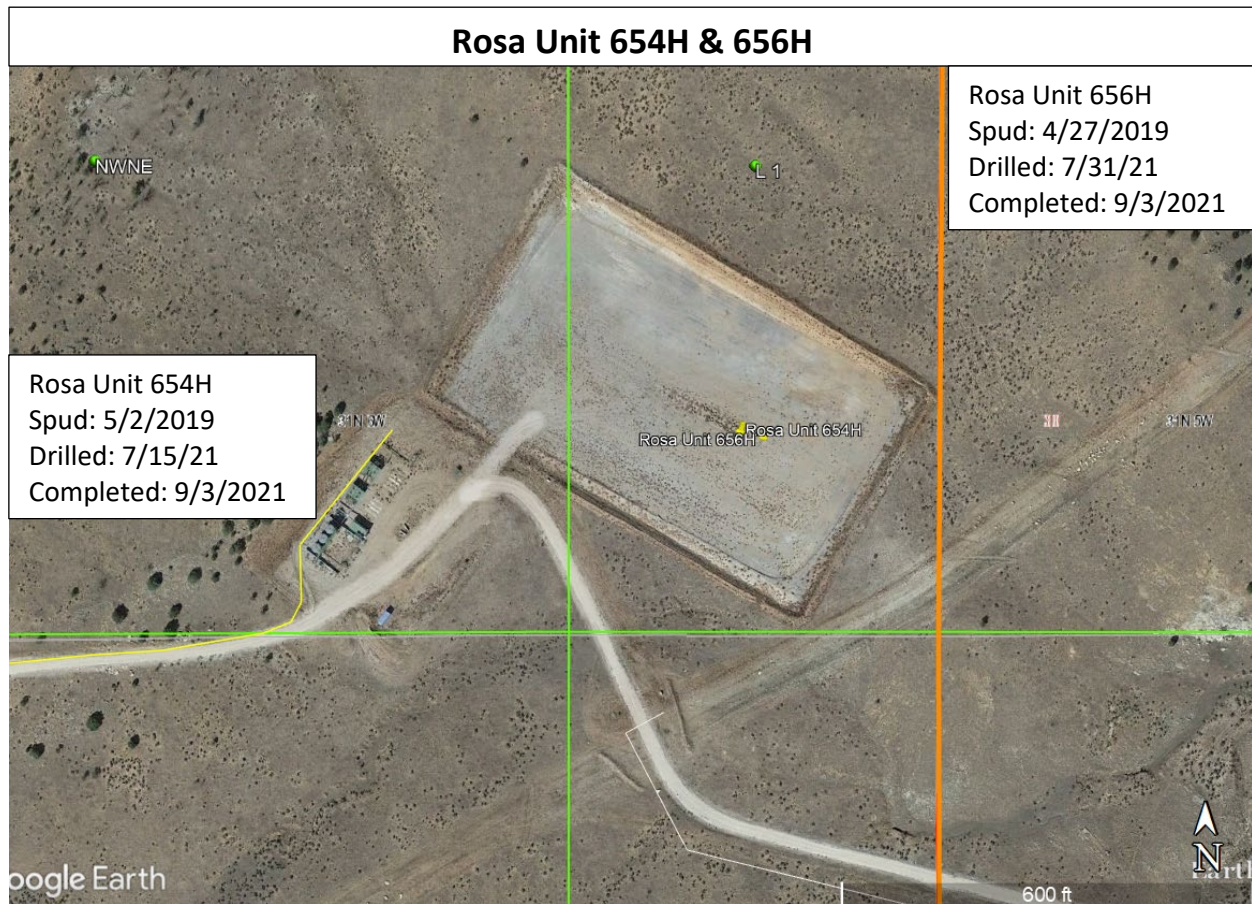
Smpl Date:	10/20/2021	08/04/2021
Test Date:	10/21/2021	09/13/2021
Run No:	LG2021365	LG2021348
Nitrogen:	0.0597	0.1569
CO2:	2.6714	1.8396
Methane:	96.9929	97.6897
Ethane:	0.2687	0.2972
Propane:	0.0073	0.0103
I-Butane:	0.0000	0.0013
N-Butane:	0.0000	0.0014
I-Pentane:	0.0000	0.0000
N-Pentane:	0.0000	0.0000
Hexane+:	0.0000	0.0036
BTU:	988.9	996.8
GPM:	17.0120	17.0060
SPG:	0.5823	0.5749

LOGOS Operating, LLC
Rosa Unit 656H
Flared during flowback – Meter 17026-01A
API: 30-039-31383
Unit A, Section 25 T31N R06W
36.874926, -107.408775 NAD83

1999 ROSA UNIT 656H SEP GAS MTR 17026-01A						
Date ▼	Gas Flowed	Comments	Differential	Static Pressure Psia	Gas Temp	
10/23/2021	8,660.65	0	55.34758377	440.3938293	101.8529052	
10/22/2021	8,706.76	0	57.05088424	440.4489440	103.2184677	
10/21/2021	8,768.48	0	57.53176879	439.1683959	102.5680923	
10/20/2021	8,692.99	0	56.28386306	444.7931213	102.3028182	
10/19/2021	8,793.87	0 Flared due to Malfunction with Harvest gathering	57.95418548	439.6976928	100.1379089	
10/18/2021	8,868.95	0	58.00713729	432.7354736	100.4708404	
10/17/2021	8,941.75	0	60.30709075	432.8239135	103.1569061	
10/16/2021	9,017.04	0	62.88335037	430.5198059	102.9350967	

Flowback report

Date & time	Flaring Cum Time	Approx. Gas Flared (mcf)	Well Head Temp (F)
10/19/2021 11:00	1:00:00	0	141
10/19/2021 12:00	1:00:00	0	139
10/19/2021 13:00	1:00:00	0	140
10/19/2021 14:00	2:00:00	71	138
10/19/2021 15:00	2:00:00	0	141
10/19/2021 16:00	2:00:00	0	141



District I1625 N. French Dr., Hobbs, NM 88240
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 60944

QUESTIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 60944
	Action Type: [C-129] Venting and/or Flaring (C-129)

QUESTIONS**Prerequisites**

Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.

Incident Well	[30-039-31383] ROSA UNIT #656H
Incident Facility	Not answered.

Determination of Reporting Requirements

Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.

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, minor venting and/or flaring of natural gas.
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.	
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

Please provide the mole percent for the percentage questions in this group.

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
If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas.	
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	10/19/2021
Time venting and/or flaring was discovered or commenced	02:00 PM
Time venting and/or flaring was terminated	03:00 PM
Cumulative hours during this event	1

Measured or Estimated Volume of Vented or Flared Natural Gas

Natural Gas Vented (Mcf) Details	Not answered.
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Natural Gas Flared (Mcf) Details	Cause: Midstream Emergency Maintenance Gas Compressor Station Natural Gas Flared Released: 71 Mcf Recovered: 0 Mcf Lost: 71 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 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

Action 60944

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Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 60944
	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.	11/9/2021