



Well Name: ROSA UNIT 026; BHD
 API #: 30-039-60081
 Source: BRADENHEAD
 Sample Type: GAS
 Analysis No: LG20250319
 Cust No: 46600-12175

Well/Lease Information

Customer Name: LOGOS OPERATING LLC	Source: BRADENHEAD
Well Name: ROSA UNIT 026; BHD	Well Flowing: N
County/State: RIO ARRIBA NM	Pressure: 144 PSIG
Location:	Flow Temp: DEG. F
Lease/PA/CA:	Ambient Temp: 73 DEG. F
Formation:	Flow Rate: MCF/D
Cust. Stn. No.: 30-039-60081	Sample Method: Purge & Fill
	Sample Date: 07/01/2025
CC#62042984	Sample Time: 8.30 AM
AREA #1	Sampled By: SEAN MOORE
Heat Trace: N	Sampled by (CO): LOGOS
Remarks:	

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.0763	0.0763	0.0080	0.00	0.0007
CO2	1.6685	1.6675	0.2850	0.00	0.0254
Methane	96.7835	96.7265	16.4380	977.51	0.5361
Ethane	1.2825	1.2817	0.3440	22.70	0.0133
Propane	0.1333	0.1332	0.0370	3.35	0.0020
Iso-Butane	0.0258	0.0258	0.0080	0.84	0.0005
N-Butane	0.0141	0.0141	0.0040	0.46	0.0003
I-Pentane	0.0065	0.0065	0.0020	0.26	0.0002
N-Pentane	0.0032	0.0032	0.0010	0.13	0.0001
Hexane Plus	0.0063	0.0063	0.0030	0.33	0.0002
Total	100.0000	99.9411	17.1300	1005.58	0.5788

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0021	CYLINDER #:	1821
BTU/CU.FT IDEAL:	1007.9	CYLINDER PRESSURE:	144 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1010.0	ANALYSIS DATE:	07/21/2025
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	992.4	ANALYSIS TIME:	09:39:15 AM
DRY BTU @ 15.025:	1030.2	ANALYSIS RUN BY:	ALEXIS MITCHELL
REAL SPECIFIC GRAVITY:	0.5798		

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: 07/24/2025

GC Method: C6+ Gas



LOGOS OPERATING LLC
WELL ANALYSIS COMPARISON

Lease:	ROSA UNIT 026; BHD	BRADENHEAD	07/24/2025
Stn. No.:	30-039-60081		46600-12175
Mtr. No.:			

Smpl Date:	07/01/2025	04/10/2025
Test Date:	07/21/2025	04/22/2025
Run No:	LG20250319	LG20250164
Nitrogen:	0.0763	0.5434
CO2:	1.6685	2.0110
Methane:	96.7835	95.9584
Ethane:	1.2825	1.2543
Propane:	0.1333	0.1319
I-Butane:	0.0258	0.0300
N-Butane:	0.0141	0.0186
I-Pentane:	0.0065	0.0104
N-Pentane:	0.0032	0.0052
Hexane+:	0.0063	0.0368
BTU:	1010.0	1003.3
GPM:	17.1300	17.1120
SPG:	0.5798	0.5859



Well Name: ROSA UNIT 026; CSG
 API #: 30-039-60081
 Source: CASING
 Sample Type: GAS
 Analysis No: LG20250320
 Cust No: 46600-12180

Well/Lease Information

Customer Name: LOGOS OPERATING LLC	Source: CASING
Well Name: ROSA UNIT 026; CSG	Well Flowing: N
County/State: RIO ARRIBA NM	Pressure: 471 PSIG
Location:	Flow Temp: DEG. F
Lease/PA/CA:	Ambient Temp: 75 DEG. F
Formation:	Flow Rate: MCF/D
Cust. Stn. No.: 30-039-60081	Sample Method: Purge & Fill
	Sample Date: 07/11/2025
CC#62042984	Sample Time: 8.45 AM
AREA 1	Sampled By: SEAN MOORE
Heat Trace: N	Sampled by (CO): LOGOS
Remarks:	

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.0770	0.0768	0.0080	0.00	0.0007
CO2	1.6579	1.6545	0.2830	0.00	0.0252
Methane	96.7596	96.5586	16.4340	977.27	0.5360
Ethane	1.3368	1.3340	0.3580	23.66	0.0139
Propane	0.1219	0.1216	0.0340	3.07	0.0019
Iso-Butane	0.0244	0.0243	0.0080	0.79	0.0005
N-Butane	0.0101	0.0101	0.0030	0.33	0.0002
I-Pentane	0.0052	0.0052	0.0020	0.21	0.0001
N-Pentane	0.0019	0.0019	0.0010	0.08	0.0000
Hexane Plus	0.0052	0.0052	0.0020	0.27	0.0002
Total	100.0000	99.7922	17.1330	1005.68	0.5787

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0021	CYLINDER #:	1873
BTU/CU.FT IDEAL:	1008.0	CYLINDER PRESSURE:	471 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1010.1	ANALYSIS DATE:	07/21/2025
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	992.5	ANALYSIS TIME:	09:24:50 AM
DRY BTU @ 15.025:	1030.3	ANALYSIS RUN BY:	ALEXIS MITCHELL
REAL SPECIFIC GRAVITY:	0.5796		

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: 07/24/2025

GC Method: C6+ Gas



LOGOS OPERATING LLC
WELL ANALYSIS COMPARISON

Lease:	ROSA UNIT 026; CSG	CASING	07/24/2025
Stn. No.:	30-039-60081		46600-12180
Mtr. No.:			

Smpl Date:	07/11/2025	04/10/2025
Test Date:	07/21/2025	04/22/2025
Run No:	LG20250320	LG20250165
Nitrogen:	0.0770	0.0783
CO2:	1.6579	1.6712
Methane:	96.7596	96.8107
Ethane:	1.3368	1.2535
Propane:	0.1219	0.1225
I-Butane:	0.0244	0.0240
N-Butane:	0.0101	0.0136
I-Pentane:	0.0052	0.0052
N-Pentane:	0.0019	0.0000
Hexane+:	0.0052	0.0210
BTU:	1010.1	1010.0
GPM:	17.1330	17.1310
SPG:	0.5796	0.5798

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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

CONDITIONS

Action 489758

CONDITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 489758
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

Created By	Condition	Condition Date
jagarcia	Accepted for record	4/9/2026