



Well Name: JOHNSTON A COM G 17P;
 API #: 3003431137
 Source: INTERMEDIATE CASING
 Sample Type: GAS
 Analysis No: HS20250060
 Cust No: 35825-16385

Well/Lease Information

Customer Name: HILCORP (BHD PROJECT)	Source: INTERMEDIATE CASING
Well Name: JOHNSTON A COM G 17P; INT	Well Flowing: Y
County/State: RIO ARRIBA NM	Pressure: 121 PSIG
Location:	Flow Temp: 0 DEG. F
Lease/PA/CA: NM E-291-49	Ambient Temp: 69 DEG. F
Formation: MV/DK	Flow Rate: 0 MCF/D
Cust. Stn. No.: 3003431137	Sample Method: Purge & Fill
91-087-01	Sample Date: 06/26/2025
	Sample Time: 8.45 AM
AREA 14 / RUN 1404	Sampled By: KADEN PEACE
Heat Trace: N	Sampled by (CO): HILCORP
Remarks:	

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.1064	0.1053	0.0120	0.00	0.0010
CO2	0.0236	0.0234	0.0040	0.00	0.0004
Methane	99.8162	98.7910	16.9510	1008.14	0.5529
Ethane	0.0107	0.0106	0.0030	0.19	0.0001
Propane	0.0075	0.0074	0.0020	0.19	0.0001
Iso-Butane	0.0027	0.0027	0.0010	0.09	0.0001
N-Butane	0.0072	0.0071	0.0020	0.23	0.0001
I-Pentane	0.0043	0.0043	0.0020	0.17	0.0001
N-Pentane	0.0054	0.0053	0.0020	0.22	0.0001
Hexane Plus	0.0160	0.0158	0.0070	0.84	0.0005
Total	100.0000	98.9729	16.9860	1010.08	0.5555

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.002	CYLINDER #:	2106
BTU/CU.FT IDEAL:	1012.4	CYLINDER PRESSURE:	121 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1014.4	ANALYSIS DATE:	06/27/2025
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	996.7	ANALYSIS TIME:	07:46:48 AM
DRY BTU @ 15.025:	1034.7	ANALYSIS RUN BY:	SARAH BALLARD
REAL SPECIFIC GRAVITY:	0.5564		

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: 06/27/2025

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease:	JOHNSTON A COM G 17P; INT	INTERMEDIATE CASING	06/27/2025
Stn. No.:	3003431137	MV/DK	35825-16385
Mtr. No.:	91-087-01		

Smpl Date:	06/26/2025
Test Date:	06/27/2025
Run No:	HS20250060
Nitrogen:	0.1064
CO2:	0.0236
Methane:	99.8162
Ethane:	0.0107
Propane:	0.0075
I-Butane:	0.0027
N-Butane:	0.0072
I-Pentane:	0.0043
N-Pentane:	0.0054
Hexane+:	0.0160
BTU:	1014.4
GPM:	16.9860
SPG:	0.5564



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Analysis No: HS20250055
Cust No: 35825-16380

Well/Lease Information

Customer Name:	HILCORP (BHD PROJECT)	Source:	METER RUN
Well Name:	JOHNSTON A COM G 17P; CSG	Well Flowing:	Y
County/State:	RIO ARRIBA NM	Pressure:	135 PSIG
Location:		Flow Temp:	73 DEG. F
Lease/PA/CA:	E-291-49	Ambient Temp:	70 DEG. F
Formation:	MV/DK	Flow Rate:	0.0 MCF/D
Cust. Stn. No.:	91-087-01	Sample Method:	Purge & Fill
	3003931137	Sample Date:	06/06/2025
	AREA 14, RUN 1404	Sample Time:	9.30 AM
Heat Trace:	N	Sampled By:	KADEN PEACE
Remarks:		Sampled by (CO):	HILCORP

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.4782	0.4787	0.0530	0.00	0.0046
CO2	0.4635	0.4639	0.0790	0.00	0.0070
Methane	80.5501	80.6278	13.7030	813.56	0.4462
Ethane	9.2651	9.2740	2.4860	163.96	0.0962
Propane	4.9239	4.9286	1.3610	123.89	0.0750
Iso-Butane	1.0333	1.0343	0.3390	33.60	0.0207
N-Butane	1.4709	1.4723	0.4650	47.99	0.0295
I-Pentane	0.5810	0.5816	0.2130	23.25	0.0145
N-Pentane	0.4279	0.4283	0.1560	17.15	0.0107
Hexane Plus	0.8061	0.8069	0.3610	42.49	0.0267
Total	100.0000	100.0964	19.2160	1265.89	0.7311

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0037	CYLINDER #:	2184
BTU/CU.FT IDEAL:	1268.8	CYLINDER PRESSURE:	114 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1273.5	ANALYSIS DATE:	06/12/2025
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1251.3	ANALYSIS TIME:	01:58:10 PM
DRY BTU @ 15.025:	1299.0	ANALYSIS RUN BY:	SARAH BALLARD
REAL SPECIFIC GRAVITY:	0.7335		

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: 06/16/2025

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease:	JOHNSTON A COM G 17P; CSG	METER RUN	06/16/2025
Stn. No.:	91-087-01	MV/DK	35825-16380
Mtr. No.:	3003931137		

Smpl Date:	06/06/2025
Test Date:	06/12/2025
Run No:	HS20250055
Nitrogen:	0.4782
CO2:	0.4635
Methane:	80.5501
Ethane:	9.2651
Propane:	4.9239
I-Butane:	1.0333
N-Butane:	1.4709
I-Pentane:	0.5810
N-Pentane:	0.4279
Hexane+:	0.8061
BTU:	1273.5
GPM:	19.2160
SPG:	0.7335

Sante Fe Main Office
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General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/oecd/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 480015

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 480015
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

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