



Well Name: SAN JUAN 27-5 UNIT 16;
 API #: API #3003906964
 Source: INTERMEDIATE CASING
 Sample Type: GAS
 Analysis No: HS20250080
 Cust No: 35825-11765

Well/Lease Information

Customer Name:	HILCORP (BHD PROJECT)	Source:	INTERMEDIATE CASING
Well Name:	SAN JUAN 27-5 UNIT 16; INTER	Well Flowing:	Y
County/State:	RIO ARRIBA NM	Pressure:	58 PSIG
Location:		Flow Temp:	DEG. F
Lease/PA/CA:		Ambient Temp:	DEG. F
Formation:		Flow Rate:	MCF/D
Cust. Stn. No.:	API #3003906964	Sample Method:	
	AREA 14 / RUN 1407	Sample Date:	07/31/2025
Heat Trace:	N	Sample Time:	8.48 AM
Remarks:		Sampled By:	DAVE MONTOYA
		Sampled by (CO):	HILCORP

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.2613	0.2613	0.0290	0.00	0.0025
CO2	0.0046	0.0046	0.0010	0.00	0.0001
Methane	89.6581	89.6581	15.2380	905.55	0.4966
Ethane	5.9627	5.9627	1.5990	105.52	0.0619
Propane	2.5128	2.5128	0.6940	63.22	0.0383
Iso-Butane	0.2427	0.2427	0.0800	7.89	0.0049
N-Butane	0.6019	0.6019	0.1900	19.64	0.0121
I-Pentane	0.1366	0.1366	0.0500	5.47	0.0034
N-Pentane	0.1321	0.1321	0.0480	5.30	0.0033
Hexane Plus	0.4872	0.4872	0.2180	25.68	0.0161
Total	100.0000	100.0000	18.1470	1138.26	0.6391

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0028	CYLINDER #:	2082
BTU/CU.FT IDEAL:	1140.9	CYLINDER PRESSURE:	56 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1144.1	ANALYSIS DATE:	08/07/2025
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1124.2	ANALYSIS TIME:	11:55:09 AM
DRY BTU @ 15.025:	1167.0	ANALYSIS RUN BY:	SARAH BALLARD
REAL SPECIFIC GRAVITY:	0.6407		

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: 08/07/2025

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 27-5 UNIT 16; INTER INTERMEDIATE CASING 08/07/2025
 Stn. No.: API #3003906964 35825-11765
 Mtr. No.:

Smpl Date:	07/31/2025	07/25/2019
Test Date:	08/07/2025	08/06/2019
Run No:	HS20250080	HS190203
Nitrogen:	0.2613	99.1301
CO2:	0.0046	0.1111
Methane:	89.6581	0.6836
Ethane:	5.9627	0.0447
Propane:	2.5128	0.0211
I-Butane:	0.2427	0.0036
N-Butane:	0.6019	0.0058
I-Pentane:	0.1366	0.0000
N-Pentane:	0.1321	0.0000
Hexane+:	0.4872	0.0000
BTU:	1144.1	8.6
GPM:	18.1470	11.0630
SPG:	0.6407	0.9651



Well Name: SAN JUAN 27-5 UNIT 16;
 API #: API #3003906964
 Source: CASING
 Sample Type: GAS
 Analysis No: HS20250079
 Cust No: 35825-11760

Well/Lease Information

Customer Name:	HILCORP (BHD PROJECT)	Source:	CASING
Well Name:	SAN JUAN 27-5 UNIT 16; CSG	Well Flowing:	Y
County/State:	RIO ARRIBA NM	Pressure:	119 PSIG
Location:		Flow Temp:	DEG. F
Lease/PA/CA:		Ambient Temp:	DEG. F
Formation:		Flow Rate:	MCF/D
Cust. Stn. No.:	API #3003906964	Sample Method:	
	AREA 14 / RUN 1407	Sample Date:	07/31/2025
Heat Trace:	N	Sample Time:	11.37 AM
Remarks:		Sampled By:	DAVE MONTOYA
		Sampled by (CO):	HILCORP

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.0301	0.0298	0.0030	0.00	0.0003
CO2	0.6966	0.6886	0.1190	0.00	0.0106
Methane	83.1786	82.2226	14.1460	840.10	0.4607
Ethane	9.1706	9.0652	2.4600	162.29	0.0952
Propane	4.5668	4.5143	1.2620	114.91	0.0695
Iso-Butane	0.6968	0.6888	0.2290	22.66	0.0140
N-Butane	0.0026	0.0026	0.0010	0.08	0.0001
I-Pentane	0.4591	0.4538	0.1680	18.37	0.0114
N-Pentane	0.4010	0.3964	0.1460	16.07	0.0100
Hexane Plus	0.7978	0.7886	0.3570	42.05	0.0264
Total	100.0000	98.8507	18.8910	1216.54	0.6982

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0034	CYLINDER #:	2104
BTU/CU.FT IDEAL:	1219.4	CYLINDER PRESSURE:	156 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1223.5	ANALYSIS DATE:	08/07/2025
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1202.2	ANALYSIS TIME:	11:37:44 AM
DRY BTU @ 15.025:	1248.0	ANALYSIS RUN BY:	SARAH BALLARD
REAL SPECIFIC GRAVITY:	0.7003		

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: 08/07/2025

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 27-5 UNIT 16; CSG CASING 08/07/2025
 Stn. No.: API #3003906964 35825-11760
 Mtr. No.:

Smpl Date:	07/31/2025	07/25/2019
Test Date:	08/07/2025	08/06/2019
Run No:	HS20250079	HS190202
Nitrogen:	0.0301	0.5630
CO2:	0.6966	0.4759
Methane:	83.1786	82.9773
Ethane:	9.1706	8.7845
Propane:	4.5668	4.1872
I-Butane:	0.6968	0.6086
N-Butane:	0.0026	1.0605
I-Pentane:	0.4591	0.3346
N-Pentane:	0.4010	0.2860
Hexane+:	0.7978	0.7224
BTU:	1223.5	1223.1
GPM:	18.8910	18.8530
SPG:	0.7003	0.7021

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General Information
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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 493846

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 493846
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

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