Well Name: SAN JUAN 27-5 #13, INT
API #: 30-039-06926
Source: INTERMEDIATE CASING
Sample Type: GAS

Analysis No: HS20250077
Cust No: 35825-14355

Well/Lease Information

Customer Name:	HILCORP (BHD PROJECT)	Source:	INTERMEDIATE CASING
Well Name:	SAN JUAN 27-5 #13, INT	Well Flowing:	Y
County/State:	RIO ARRIBA NM	Pressure:	0 PSIG
Location:		Flow Temp:	DEG. F
Lease/PA/CA:	SF-079367	Ambient Temp:	DEG. F
Formation:	MV	Flow Rate:	MCF/D
Cust. Stn. No.:	30-039-06926	Sample Method:	Purge & Fill
		Sample Date:	07/07/2025
		Sample Time:	1.51 PM
	AREA 14/ RUN 1403	Sampled By:	LORENZO DICKIE
Heat Trace:		Sampled by (CO):	HILCORP
Remarks:			

Analysis

Component::	Mole%:	Unormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.4000	0.3976	0.0440	0.00	0.0039
CO2	0.0853	0.0848	0.0150	0.00	0.0013
Methane	87.3615	86.8412	14.8510	882.35	0.4839
Ethane	6.2315	6.1944	1.6710	110.28	0.0647
Propane	3.4908	3.4700	0.9640	87.83	0.0531
Iso-Butane	0.7039	0.6997	0.2310	22.89	0.0141
N-Butane	0.8835	0.8782	0.2790	28.82	0.0177
I-Pentane	0.3314	0.3294	0.1220	13.26	0.0083
N-Pentane	0.2059	0.2047	0.0750	8.25	0.0051
Hexane Plus	0.3062	0.3044	0.1370	16.14	0.0101
Total	100.0000	99.4044	18.3890	1169.83	0.6623

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY
**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBLITY FACTOR (1/Z):	1.003	CYLINDER #:	2145
BTU/CU.FT IDEAL:	1172.5	CYLINDER PRESSURE:	190 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1176.1	ANALYIS DATE:	07/14/2025
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1155.6	ANALYIS TIME:	12:16:18 AM
DRY BTU @ 15.025:	1199.7	ANALYSIS RUN BY:	ALEXIS MITCHELL
REAL SPECIFIC GRAVITY:	0.664		

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: 07/17/2025**
GC Method: C6+ Gas

HILCORP (BHD PROJECT)

WELL ANALYSIS COMPARISON

Lease:	SAN JUAN 27-5 #13, INT	INTERMEDIATE CASING	07/17/2025
Stn. No.:	30-039-06926	MV	35825-14355
Mtr. No.:			

Smpl Date:	07/07/2025	05/02/2022
Test Date:	07/14/2025	05/09/2022
Run No:	HS20250077	HS20220065
Nitrogen:	0.4000	0.4110
CO2:	0.0853	0.0959
Methane:	87.3615	87.1233
Ethane:	6.2315	6.3464
Propane:	3.4908	3.3013
I-Butane:	0.7039	0.6982
N-Butane:	0.8835	0.9024
I-Pentane:	0.3314	0.3658
N-Pentane:	0.2059	0.2466
Hexane+:	0.3062	0.5091
BTU:	1176.1	1185.1
GPM:	18.3890	18.4520
SPG:	0.6640	0.6701

Well Name: SAN JUAN 27-5 #13; CSG
API #: 3003906928
Source: CASING
Sample Type: GAS

Analysis No: HS20250076
Cust No: 35825-14360

Well/Lease Information

Customer Name:	HILCORP (BHD PROJECT)	Source:	CASING
Well Name:	SAN JUAN 27-5 #13; CSG	Well Flowing:	Y
County/State:	RIO ARRIBA NM	Pressure:	0 PSIG
Location:		Flow Temp:	DEG. F
Lease/PA/CA:	SF-079367	Ambient Temp:	DEG. F
Formation:	MV	Flow Rate:	MCF/D
Cust. Stn. No.:	3003906928	Sample Method:	Purge & Fill
		Sample Date:	07/07/2025
		Sample Time:	2.00 PM
	AREA 14/ RUN 1403	Sampled By:	LORANZO DICKIE
Heat Trace:		Sampled by (CO):	HILCORP
Remarks:			

Analysis

Component::	Mole%:	Unormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.3938	0.3912	0.0430	0.00	0.0038
CO2	0.4365	0.4336	0.0750	0.00	0.0066
Methane	87.2266	86.6483	14.8280	880.99	0.4831
Ethane	6.5853	6.5416	1.7660	116.54	0.0684
Propane	3.2211	3.1997	0.8900	81.05	0.0490
Iso-Butane	0.4681	0.4650	0.1540	15.22	0.0094
N-Butane	0.6915	0.6869	0.2190	22.56	0.0139
I-Pentane	0.2223	0.2208	0.0820	8.89	0.0055
N-Pentane	0.1591	0.1580	0.0580	6.38	0.0040
Hexane Plus	0.5957	0.5917	0.2660	31.40	0.0197
Total	100.0000	99.3368	18.3810	1163.03	0.6635

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY
**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBLITY FACTOR (1/Z):	1.003	CYLINDER #:	1837
BTU/CU.FT IDEAL:	1165.7	CYLINDER PRESSURE:	100 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1169.2	ANALYIS DATE:	07/14/2025
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1148.9	ANALYIS TIME:	12:28:41 AM
DRY BTU @ 15.025:	1192.6	ANALYSIS RUN BY:	ALEXIS MITCHELL
REAL SPECIFIC GRAVITY:	0.6652		

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: 07/17/2025**
GC Method: C6+ Gas

HILCORP (BHD PROJECT)

WELL ANALYSIS COMPARISON

Lease:	SAN JUAN 27-5 #13; CSG	CASING	07/17/2025
Stn. No.:	3003906928	MV	35825-14360
Mtr. No.:			

Smpl Date:	07/07/2025	05/02/2022
Test Date:	07/14/2025	05/09/2022
Run No:	HS20250076	HS20220064
Nitrogen:	0.3938	0.3823
CO2:	0.4365	0.4744
Methane:	87.2266	87.2173
Ethane:	6.5853	6.8277
Propane:	3.2211	3.0762
I-Butane:	0.4681	0.4520
N-Butane:	0.6915	0.7089
I-Pentane:	0.2223	0.2195
N-Pentane:	0.1591	0.1610
Hexane+:	0.5957	0.4807
BTU:	1169.2	1163.6
GPM:	18.3810	18.3550
SPG:	0.6652	0.6621

Well Name: SAN JUAN 27-5 #13; TBG
API #: 3003906926
Source: TUBING
Sample Type: GAS

Analysis No: HS20250078
Cust No: 35825-16435

Well/Lease Information

Customer Name:	HILCORP (BHD PROJECT)	Source:	TUBING
Well Name:	SAN JUAN 27-5 #13; TBG	Well Flowing:	Y
County/State:	RIO ARRIBA NM	Pressure:	0 PSIG
Location:		Flow Temp:	DEG. F
Lease/PA/CA:		Ambient Temp:	DEG. F
Formation:		Flow Rate:	MCF/D
Cust. Stn. No.:	3003906926	Sample Method:	Purge & Fill
	1371451011	Sample Date:	07/07/2025
		Sample Time:	2.06 PM
	AREA 14 / RUN 1403	Sampled By:	LORENZO DICKIE
Heat Trace:		Sampled by (CO):	HILCORP
Remarks:			

Analysis

Component::	Mole%:	Unormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.4272	0.4267	0.0470	0.00	0.0041
CO2	1.0265	1.0254	0.1760	0.00	0.0156
Methane	81.7897	81.7033	13.9090	826.08	0.4530
Ethane	8.8089	8.7996	2.3630	155.89	0.0915
Propane	4.8916	4.8864	1.3520	123.08	0.0745
Iso-Butane	0.7252	0.7244	0.2380	23.58	0.0146
N-Butane	1.1092	1.1080	0.3510	36.19	0.0223
I-Pentane	0.3545	0.3541	0.1300	14.18	0.0088
N-Pentane	0.2558	0.2555	0.0930	10.25	0.0064
Hexane Plus	0.6114	0.6108	0.2740	32.23	0.0202
Total	100.0000	99.8942	18.9330	1221.48	0.7109

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY
**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBLITY FACTOR (1/Z):	1.0034	CYLINDER #:	1878
BTU/CU.FT IDEAL:	1224.3	CYLINDER PRESSURE:	98 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1228.5	ANALYIS DATE:	07/14/2025
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1207.1	ANALYIS TIME:	12:36:26 AM
DRY BTU @ 15.025:	1253.1	ANALYSIS RUN BY:	ALEXIS MITCHELL
REAL SPECIFIC GRAVITY:	0.7131		

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: 07/17/2025**
GC Method: C6+ Gas

HILCORP (BHD PROJECT)

WELL ANALYSIS COMPARISON

Lease:	SAN JUAN 27-5 #13; TBG	TUBING	07/17/2025
Stn. No.:	3003906926		35825-16435
Mtr. No.:	1371451011		

Smpl Date:	07/07/2025
Test Date:	07/14/2025
Run No:	HS20250078
Nitrogen:	0.4272
CO2:	1.0265
Methane:	81.7897
Ethane:	8.8089
Propane:	4.8916
I-Butane:	0.7252
N-Butane:	1.1092
I-Pentane:	0.3545
N-Pentane:	0.2558
Hexane+:	0.6114
BTU:	1228.5
GPM:	18.9330
SPG:	0.7131

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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

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 485923
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

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