



Well Name: PORKCHOP FEDERAL 27
 API #: 3003925954
 Source: BRADENHEAD
 Sample Type: GAS
 Analysis No: HS20250065
 Cust No: 35825-16400

Well/Lease Information

Customer Name: HILCORP (BHD PROJECT)	Source: BRADENHEAD
Well Name: PORKCHOP FEDERAL 27 #1E; BHD	Well Flowing: N
County/State: RIO ARRIBA NM	Pressure: 196 PSIG
Location:	Flow Temp: DEG. F
Lease/PA/CA: SF078048	Ambient Temp: 90 DEG. F
Formation:	Flow Rate: MCF/D
Cust. Stn. No.: 3003925954	Sample Method: Purge & Fill
98107	Sample Date: 06/27/2025
AREA 9 / RUN 0910	Sample Time: 12.00 PM
Heat Trace:	Sampled By: SHAWN ERRETT
Remarks:	Sampled by (CO): HEC

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	2.2065	2.1999	0.2430	0.00	0.0213
CO2	0.0051	0.0051	0.0010	0.00	0.0001
Methane	84.6508	84.3960	14.3900	854.97	0.4689
Ethane	5.4467	5.4303	1.4610	96.39	0.0565
Propane	4.9930	4.9780	1.3790	125.63	0.0760
Iso-Butane	1.0033	1.0003	0.3290	32.63	0.0201
N-Butane	1.0445	1.0414	0.3300	34.07	0.0210
I-Pentane	0.2986	0.2977	0.1100	11.95	0.0074
N-Pentane	0.1765	0.1760	0.0640	7.08	0.0044
Hexane Plus	0.1750	0.1745	0.0780	9.22	0.0058
Total	100.0000	99.6992	18.3850	1171.94	0.6816

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.003	CYLINDER #:	5001
BTU/CU.FT IDEAL:	1174.7	CYLINDER PRESSURE:	196 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1178.2	ANALYSIS DATE:	07/07/2025
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1157.7	ANALYSIS TIME:	08:33:51 AM
DRY BTU @ 15.025:	1201.8	ANALYSIS RUN BY:	ALEXIS MITCHELL
REAL SPECIFIC GRAVITY:	0.6834		

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: 07/14/2025

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease: PORKCHOP FEDERAL 27 #1E; BHD BRADENHEAD 07/14/2025
Stn. No.: 3003925954 35825-16400
Mtr. No.: 98107

Smpl Date: 06/27/2025
Test Date: 07/07/2025
Run No: HS20250065
Nitrogen: 2.2065
CO2: 0.0051
Methane: 84.6508
Ethane: 5.4467
Propane: 4.9930
I-Butane: 1.0033
N-Butane: 1.0445
I-Pentane: 0.2986
N-Pentane: 0.1765
Hexane+: 0.1750
BTU: 1178.2
GPM: 18.3850
SPG: 0.6834



Well Name: PORKCHOP FEDERAL 27
 API #: 3003925954
 Source: CASING
 Sample Type: GAS
 Analysis No: HS20250066
 Cust No: 35825-16405

Well/Lease Information

Customer Name: HILCORP (BHD PROJECT)	Source: CASING
Well Name: PORKCHOP FEDERAL 27 #1E; CSG	Well Flowing: N
County/State: RIO ARRIBA NM	Pressure: 128 PSIG
Location:	Flow Temp: DEG. F
Lease/PA/CA: SF078048	Ambient Temp: 90 DEG. F
Formation:	Flow Rate: MCF/D
Cust. Stn. No.: 3003925954	Sample Method: Purge & Fill
98107	Sample Date: 06/27/2025
AREA 9 / RUN 0910	Sample Time: 11.50 AM
Heat Trace:	Sampled By: SHAWN ERRETT
Remarks:	Sampled by (CO): HEC

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.4724	0.4664	0.0520	0.00	0.0046
CO2	0.0200	0.0197	0.0030	0.00	0.0003
Methane	88.3998	87.2753	15.0290	892.84	0.4896
Ethane	5.7741	5.7007	1.5490	102.18	0.0599
Propane	2.2547	2.2260	0.6230	56.73	0.0343
Iso-Butane	0.4747	0.4687	0.1560	15.44	0.0095
N-Butane	0.7035	0.6946	0.2220	22.95	0.0141
I-Pentane	0.4282	0.4228	0.1570	17.13	0.0107
N-Pentane	0.3716	0.3669	0.1350	14.90	0.0093
Hexane Plus	1.1010	1.0870	0.4920	58.03	0.0364
Total	100.0000	98.7281	18.4180	1180.20	0.6688

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0031	CYLINDER #:	4069
BTU/CU.FT IDEAL:	1182.9	CYLINDER PRESSURE:	119 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1186.6	ANALYSIS DATE:	07/07/2025
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1166.0	ANALYSIS TIME:	08:42:01 AM
DRY BTU @ 15.025:	1210.4	ANALYSIS RUN BY:	ALEXIS MITCHELL
REAL SPECIFIC GRAVITY:	0.6706		

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: 07/14/2025

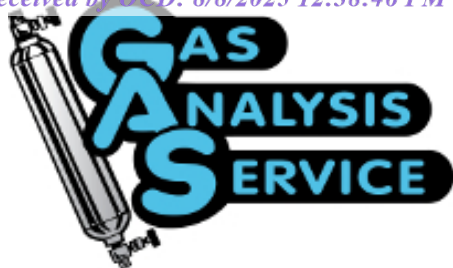
GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease: PORKCHOP FEDERAL 27 #1E; CSG CASING 07/14/2025
Stn. No.: 3003925954 35825-16405
Mtr. No.: 98107

Smpl Date: 06/27/2025
Test Date: 07/07/2025
Run No: HS20250066
Nitrogen: 0.4724
CO2: 0.0200
Methane: 88.3998
Ethane: 5.7741
Propane: 2.2547
I-Butane: 0.4747
N-Butane: 0.7035
I-Pentane: 0.4282
N-Pentane: 0.3716
Hexane+: 1.1010
BTU: 1186.6
GPM: 18.4180
SPG: 0.6706



Well Name: PORKCHOP FEDERAL 27
 API #: 3003925954
 Source: TUBING
 Sample Type: GAS
 Analysis No: HS20250067
 Cust No: 35825-16410

Well/Lease Information

Customer Name: HILCORP (BHD PROJECT)	Source: TUBING
Well Name: PORKCHOP FEDERAL 27 #1E; TBG	Well Flowing: N
County/State: RIO ARRIBA NM	Pressure: 100 PSIG
Location:	Flow Temp: DEG. F
Lease/PA/CA: SF078048	Ambient Temp: 90 DEG. F
Formation:	Flow Rate: MCF/D
Cust. Stn. No.: 3003925954	Sample Method: Purge & Fill
98107	Sample Date: 06/27/2025
AREA 9 / RUN 0910	Sample Time: 11.55 AM
Heat Trace:	Sampled By: SHAWN ERRETT
Remarks:	Sampled by (CO): HEC

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.3555	0.3525	0.0390	0.00	0.0034
CO2	1.3072	1.2961	0.2240	0.00	0.0199
Methane	87.9489	87.2003	14.9490	888.28	0.4871
Ethane	6.0483	5.9968	1.6220	107.04	0.0628
Propane	2.3611	2.3410	0.6520	59.41	0.0359
Iso-Butane	0.4552	0.4513	0.1490	14.80	0.0091
N-Butane	0.6073	0.6021	0.1920	19.81	0.0122
I-Pentane	0.2545	0.2523	0.0930	10.18	0.0063
N-Pentane	0.1741	0.1726	0.0630	6.98	0.0043
Hexane Plus	0.4879	0.4837	0.2180	25.72	0.0161
Total	100.0000	99.1487	18.2010	1132.22	0.6573

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0029	CYLINDER #:	4179A
BTU/CU.FT IDEAL:	1134.8	CYLINDER PRESSURE:	PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1138.0	ANALYSIS DATE:	07/07/2025
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1118.2	ANALYSIS TIME:	08:21:37 AM
DRY BTU @ 15.025:	1160.8	ANALYSIS RUN BY:	ALEXIS MITCHELL
REAL SPECIFIC GRAVITY:	0.6589		

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: 07/14/2025

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease: PORKCHOP FEDERAL 27 #1E; TBG TUBING 07/14/2025
Stn. No.: 3003925954 35825-16410
Mtr. No.: 98107

Smpl Date: 06/27/2025
Test Date: 07/07/2025
Run No: HS20250067

Nitrogen: 0.3555
CO2: 1.3072
Methane: 87.9489
Ethane: 6.0483
Propane: 2.3611
I-Butane: 0.4552
N-Butane: 0.6073
I-Pentane: 0.2545
N-Pentane: 0.1741
Hexane+: 0.4879

BTU: 1138.0
GPM: 18.2010
SPG: 0.6589

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General Information
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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 493855

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 493855
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

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