



Well Name: CANYON LARGO UNIT
 API #: 3003922687
 Source: BRADENHEAD
 Sample Type: GAS
 Analysis No: HS20250045
 Cust No: 35825-14510

Well/Lease Information

Customer Name: HILCORP (BHD PROJECT)
 Well Name: CANYON LARGO UNIT 304; BHD
 County/State: RIO ARRIBA NM
 Location:
 Lease/PA/CA: NMSF-078877
 Formation:
 Cust. Stn. No.: 3003922687
 93-788-01

Source: BRADENHEAD
 Well Flowing: N
 Pressure: PSIG
 Flow Temp: DEG. F
 Ambient Temp: DEG. F
 Flow Rate: MCF/D
 Sample Method:
 Sample Date: 05/22/2025
 Sample Time: 10.25 AM
 Sampled By: JORDAN MIKE
 Sampled by (CO): HILCORP

AREA 14 / RUN 1409

Heat Trace:

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.8948	0.9000	0.0990	0.00	0.0087
CO2	0.1510	0.1519	0.0260	0.00	0.0023
Methane	77.2814	77.7326	13.1490	780.54	0.4281
Ethane	11.0545	11.1190	2.9670	195.63	0.1148
Propane	6.2452	6.2817	1.7270	157.14	0.0951
Iso-Butane	0.6411	0.6448	0.2110	20.85	0.0129
N-Butane	2.3363	2.3499	0.7390	76.22	0.0469
I-Pentane	0.4058	0.4082	0.1490	16.24	0.0101
N-Pentane	0.4034	0.4058	0.1470	16.17	0.0100
Hexane Plus	0.5865	0.5899	0.2630	30.91	0.0194
Total	100.0000	100.5838	19.4770	1293.70	0.7482

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0039
 BTU/CU.FT IDEAL: 1296.7
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1301.8
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1279.1
 DRY BTU @ 15.025: 1327.9
 REAL SPECIFIC GRAVITY: 0.7508

CYLINDER #: 6005
 CYLINDER PRESSURE: PSIG
 ANALYSIS DATE: 05/29/2025
 ANALYSIS TIME: 03:59:51 PM
 ANALYSIS RUN BY: ALEXIS MITCHELL

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: 06/02/2025

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease:	CANYON LARGO UNIT 304; BHD	BRADENHEAD	06/02/2025
Stn. No.:	3003922687		35825-14510
Mtr. No.:	93-788-01		

Smpl Date:	05/22/2025	07/15/2022
Test Date:	05/29/2025	07/20/2022
Run No:	HS20250045	HS20220119
Nitrogen:	0.8948	0.7276
CO2:	0.1510	0.2211
Methane:	77.2814	74.3102
Ethane:	11.0545	12.7044
Propane:	6.2452	7.5737
I-Butane:	0.6411	0.7905
N-Butane:	2.3363	2.2101
I-Pentane:	0.4058	0.4861
N-Pentane:	0.4034	0.5104
Hexane+:	0.5865	0.4659
BTU:	1301.8	1336.8
GPM:	19.4770	19.8020
SPG:	0.7508	0.7725



Well Name: CANYON LARGO UNIT
 API #: 3003922687
 Source: CASING
 Sample Type: GAS
 Analysis No: HS20250046
 Cust No: 35825-14515

Well/Lease Information

Customer Name:	HILCORP (BHD PROJECT)	Source:	CASING
Well Name:	CANYON LARGO UNIT 304; CSG	Well Flowing:	N
County/State:	RIO ARRIBA NM	Pressure:	PSIG
Location:		Flow Temp:	DEG. F
Lease/PA/CA:	NMSF-078877	Ambient Temp:	DEG. F
Formation:		Flow Rate:	MCF/D
Cust. Stn. No.:	3003922687	Sample Method:	Purge & Fill
	93-788-01	Sample Date:	05/22/2025
		Sample Time:	10.12 AM
	AREA 14 / RUN 1409	Sampled By:	JORDAN MIKE
Heat Trace:		Sampled by (CO):	
Remarks:			

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.0141	1.0240	0.1120	0.00	0.0098
CO2	0.4549	0.4593	0.0780	0.00	0.0069
Methane	75.1921	75.9255	12.7960	759.44	0.4165
Ethane	11.7463	11.8609	3.1530	207.87	0.1220
Propane	6.7949	6.8612	1.8790	170.97	0.1035
Iso-Butane	0.6797	0.6863	0.2230	22.10	0.0136
N-Butane	2.4329	2.4566	0.7700	79.37	0.0488
I-Pentane	0.4244	0.4285	0.1560	16.98	0.0106
N-Pentane	0.4554	0.4598	0.1660	18.26	0.0113
Hexane Plus	0.8053	0.8132	0.3610	42.45	0.0267
Total	100.0000	100.9753	19.6940	1317.44	0.7696

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0041	CYLINDER #:	4125
BTU/CU.FT IDEAL:	1320.5	CYLINDER PRESSURE:	PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1325.9	ANALYSIS DATE:	05/29/2025
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1302.8	ANALYSIS TIME:	03:53:17 PM
DRY BTU @ 15.025:	1352.5	ANALYSIS RUN BY:	ALEXIS MITCHELL
REAL SPECIFIC GRAVITY:	0.7725		

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: 06/02/2025

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease:	CANYON LARGO UNIT 304; CSG	CASING	06/02/2025
Stn. No.:	3003922687		35825-14515
Mtr. No.:	93-788-01		

Smpl Date:	05/22/2025	07/15/2022
Test Date:	05/29/2025	07/20/2022
Run No:	HS20250046	HS20220120
Nitrogen:	1.0141	0.8362
CO2:	0.4549	0.4936
Methane:	75.1921	72.6136
Ethane:	11.7463	13.1327
Propane:	6.7949	8.1698
I-Butane:	0.6797	0.8299
N-Butane:	2.4329	2.3143
I-Pentane:	0.4244	0.5072
N-Pentane:	0.4554	0.5433
Hexane+:	0.8053	0.5594
BTU:	1325.9	1354.3
GPM:	19.6940	19.9630
SPG:	0.7725	0.7894



Well Name: CANYON LARGO UNIT

API #: 30-039-22687

Source: TUBING

Sample Type: GAS

Analysis No: HS20250047

Cust No: 35825-16365

Well/Lease Information

Customer Name: HILCORP (BHD PROJECT)
 Well Name: CANYON LARGO UNIT 304; TBG
 County/State: RIO ARRIBA NM
 Location:
 Lease/PA/CA: NMSF-078877
 Formation:
 Cust. Stn. No.: 30-039-22687
 93-788

Source: TUBING
 Well Flowing: N
 Pressure: PSIG
 Flow Temp: DEG. F
 Ambient Temp: DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 05/22/2025
 Sample Time: 10.20 AM
 Sampled By: JORDAN MIKE
 Sampled by (CO):

AREA 14 / RUN 1409

Heat Trace:

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.9086	0.9165	0.1000	0.00	0.0088
CO2	0.4363	0.4401	0.0750	0.00	0.0066
Methane	76.9313	77.5995	13.0910	777.01	0.4261
Ethane	10.8981	10.9928	2.9250	192.86	0.1131
Propane	6.2067	6.2606	1.7160	156.17	0.0945
Iso-Butane	0.6495	0.6551	0.2130	21.12	0.0130
N-Butane	2.3957	2.4165	0.7580	78.15	0.0481
I-Pentane	0.4035	0.4070	0.1480	16.14	0.0101
N-Pentane	0.4177	0.4213	0.1520	16.74	0.0104
Hexane Plus	0.7526	0.7591	0.3370	39.67	0.0249
Total	100.0000	100.8685	19.5150	1297.87	0.7557

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.004
 BTU/CU.FT IDEAL: 1300.9
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1306.0
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1283.3
 DRY BTU @ 15.025: 1332.2
 REAL SPECIFIC GRAVITY: 0.7583

CYLINDER #: 7032
 CYLINDER PRESSURE: PSIG
 ANALYSIS DATE: 05/29/2025
 ANALYSIS TIME: 04:07:56 PM
 ANALYSIS RUN BY: ALEXIS MITCHELL

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: 06/02/2025

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease:	CANYON LARGO UNIT 304; TBG	TUBING	06/02/2025
Stn. No.:	30-039-22687		35825-16365
Mtr. No.:	93-788		

Smpl Date: 05/22/2025
Test Date: 05/29/2025
Run No: HS20250047

Nitrogen: 0.9086
CO2: 0.4363
Methane: 76.9313
Ethane: 10.8981
Propane: 6.2067
I-Butane: 0.6495
N-Butane: 2.3957
I-Pentane: 0.4035
N-Pentane: 0.4177
Hexane+: 0.7526

BTU: 1306.0
GPM: 19.5150
SPG: 0.7583

Sante Fe Main Office
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General Information
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Online Phone Directory
<https://www.emnrd.nm.gov/oed/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 470724

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 470724
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	Gas is similar on all strings	6/4/2025