



Well Name: CANYON LARGO UNIT

API #: 3003923325

Source: BRADENHEAD

Sample Type: GAS

Analysis No: HS20250050

Cust No: 35825-14635

Well/Lease Information

Customer Name: HILCORP (BHD PROJECT)
 Well Name: CANYON LARGO UNIT 331; BHD
 County/State: RIO ARRIBA NM
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.: 3003923325
 24633331

Source: BRADENHEAD
 Well Flowing: Y
 Pressure: PSIG
 Flow Temp: DEG. F
 Ambient Temp: 86 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 05/28/2025
 Sample Time: 12.40 PM
 Sampled By: JORDAN MIKE
 Sampled by (CO):

AREA 14 / RUN 1409

Heat Trace:

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.6218	0.6218	0.0690	0.00	0.0060
CO2	0.6489	0.6489	0.1110	0.00	0.0099
Methane	78.7236	78.7236	13.3930	795.11	0.4361
Ethane	10.6174	10.6174	2.8500	187.90	0.1102
Propane	5.5079	5.5079	1.5230	138.58	0.0839
Iso-Butane	0.5459	0.5459	0.1790	17.75	0.0110
N-Butane	1.7080	1.7080	0.5400	55.72	0.0343
I-Pentane	0.4004	0.4004	0.1470	16.02	0.0100
N-Pentane	0.4421	0.4421	0.1610	17.72	0.0110
Hexane Plus	0.7840	0.7840	0.3510	41.33	0.0259
Total	100.0000	100.0000	19.3240	1270.13	0.7382

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0038
 BTU/CU.FT IDEAL: 1273.1
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1277.9
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1255.7
 DRY BTU @ 15.025: 1303.5
 REAL SPECIFIC GRAVITY: 0.7407

CYLINDER #: 5015
 CYLINDER PRESSURE: 86 PSIG
 ANALYSIS DATE: 06/06/2025
 ANALYSIS TIME: 08:46:47 AM
 ANALYSIS RUN BY: SARAH BALLARD

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: 06/11/2025

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease:	CANYON LARGO UNIT 331; BHD	BRADENHEAD	06/11/2025
Stn. No.:	3003923325		35825-14635
Mtr. No.:	24633331		

Smpl Date:	05/28/2025	08/15/2022
Test Date:	06/06/2025	08/18/2022
Run No:	HS20250050	HS20220148
Nitrogen:	0.6218	0.5943
CO2:	0.6489	0.6484
Methane:	78.7236	78.7303
Ethane:	10.6174	10.6154
Propane:	5.5079	5.5117
I-Butane:	0.5459	0.5569
N-Butane:	1.7080	1.7590
I-Pentane:	0.4004	0.4081
N-Pentane:	0.4421	0.4467
Hexane+:	0.7840	0.7292
BTU:	1277.9	1277.7
GPM:	19.3240	19.3220
SPG:	0.7407	0.7402



Well Name: CANYON LARGO UNIT
 API #: 3003923325
 Source: CASING
 Sample Type: GAS
 Analysis No: HS20250052
 Cust No: 35825-14640

Well/Lease Information

Customer Name: HILCORP (BHD PROJECT)
 Well Name: CANYON LARGO UNIT 331; CSG
 County/State: RIO ARRIBA NM
 Location:
 Lease/PA/CA:
 Formation:
 Cust. Stn. No.: 3003923325
 24633331

Source: CASING
 Well Flowing: Y
 Pressure: PSIG
 Flow Temp: 85 DEG. F
 Ambient Temp: DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 05/28/2025
 Sample Time: 12.10 PM
 Sampled By: JORDAN MIKE
 Sampled by (CO): HILCORP

AREA 14 / RUN 1409

Heat Trace:

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.6414	0.6414	0.0710	0.00	0.0062
CO2	0.6456	0.6456	0.1110	0.00	0.0098
Methane	78.0145	78.0144	13.2740	787.95	0.4321
Ethane	10.5976	10.5976	2.8450	187.55	0.1100
Propane	5.6267	5.6267	1.5560	141.57	0.0857
Iso-Butane	0.5856	0.5856	0.1920	19.04	0.0118
N-Butane	1.8990	1.8990	0.6010	61.95	0.0381
I-Pentane	0.5019	0.5019	0.1840	20.08	0.0125
N-Pentane	0.5776	0.5776	0.2100	23.15	0.0144
Hexane Plus	0.9101	0.9101	0.4070	47.97	0.0301
Total	100.0000	99.9999	19.4510	1289.27	0.7507

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0039
 BTU/CU.FT IDEAL: 1292.2
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1297.3
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1274.7
 DRY BTU @ 15.025: 1323.3
 REAL SPECIFIC GRAVITY: 0.7533

CYLINDER #: 6194
 CYLINDER PRESSURE: 115 PSIG
 ANALYSIS DATE: 06/06/2025
 ANALYSIS TIME: 09:17:05 AM
 ANALYSIS RUN BY: SARAH BALLARD

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: 06/11/2025

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease:	CANYON LARGO UNIT 331; CSG	CASING	06/11/2025
Stn. No.:	3003923325		35825-14640
Mtr. No.:	24633331		

Smpl Date:	05/28/2025	08/15/2022
Test Date:	06/06/2025	08/18/2022
Run No:	HS20250052	HS20220149
Nitrogen:	0.6414	0.6169
CO2:	0.6456	0.6576
Methane:	78.0145	78.3907
Ethane:	10.5976	10.6051
Propane:	5.6267	5.5269
I-Butane:	0.5856	0.5718
N-Butane:	1.8990	1.8068
I-Pentane:	0.5019	0.4599
N-Pentane:	0.5776	0.5315
Hexane+:	0.9101	0.8328
BTU:	1297.3	1287.5
GPM:	19.4510	19.3870
SPG:	0.7533	0.7469



Well Name: CANYON LARGO UNIT

API #: 3003923325

Source: TUBING

Sample Type: GAS

Analysis No: HS20250051

Cust No: 35825-16375

Well/Lease Information

Customer Name: HILCORP (BHD PROJECT)
 Well Name: CANYON LARGO UNIT 331; TBG
 County/State: RIO ARRIBA NM
 Location:
 Lease/PA/CA: 1409
 Formation:
 Cust. Stn. No.: 3003923325

Source: TUBING
 Well Flowing: Y
 Pressure: PSIG
 Flow Temp: DEG. F
 Ambient Temp: 85 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 05/28/2025
 Sample Time: 12.02 PM
 Sampled By: JORDAN MIKE
 Sampled by (CO):

AREA 14, RUN 1409

Heat Trace:

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.6288	0.6288	0.0690	0.00	0.0061
CO2	0.6595	0.6595	0.1130	0.00	0.0100
Methane	79.3539	79.3538	13.4980	801.47	0.4395
Ethane	10.6820	10.6820	2.8660	189.04	0.1109
Propane	5.4500	5.4500	1.5060	137.13	0.0830
Iso-Butane	0.5239	0.5239	0.1720	17.04	0.0105
N-Butane	1.6012	1.6012	0.5060	52.24	0.0321
I-Pentane	0.3459	0.3459	0.1270	13.84	0.0086
N-Pentane	0.3588	0.3588	0.1300	14.38	0.0089
Hexane Plus	0.3960	0.3960	0.1770	20.87	0.0131
Total	100.0000	99.9999	19.1640	1246.01	0.7228

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0036
 BTU/CU.FT IDEAL: 1248.9
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1253.4
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1231.6
 DRY BTU @ 15.025: 1278.5
 REAL SPECIFIC GRAVITY: 0.7251

CYLINDER #: 4135
 CYLINDER PRESSURE: 98 PSIG
 ANALYSIS DATE: 06/06/2025
 ANALYSIS TIME: 09:31:05 AM
 ANALYSIS RUN BY: SARAH BALLARD

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: 06/11/2025

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease:	CANYON LARGO UNIT 331; TBG	TUBING	06/11/2025
Stn. No.:	3003923325		35825-16375
Mtr. No.:			

Smpl Date: 05/28/2025
Test Date: 06/06/2025
Run No: HS20250051

Nitrogen: 0.6288
CO2: 0.6595
Methane: 79.3539
Ethane: 10.6820
Propane: 5.4500
I-Butane: 0.5239
N-Butane: 1.6012
I-Pentane: 0.3459
N-Pentane: 0.3588
Hexane+: 0.3960

BTU: 1253.4
GPM: 19.1640
SPG: 0.7251

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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 473282

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 473282
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	same gas bradenhead and production casing	6/11/2025