



Well Name: CANYON LARGO UNIT  
 API #: 30-039-23403  
 Source: BRADENHEAD  
 Sample Type: GAS  
 Analysis No: HS20250048  
 Cust No: 35825-16370

**Well/Lease Information**

Customer Name: HILCORP (BHD PROJECT)	Source: BRADENHEAD
Well Name: CANYON LARGO UNIT 341; BHD	Well Flowing: N
County/State: RIO ARRIBA NM	Pressure: PSIG
Location:	Flow Temp: DEG. F
Lease/PA/CA: NMSF079915	Ambient Temp: DEG. F
Formation:	Flow Rate: MCF/D
Cust. Stn. No.: 30-039-23403	Sample Method: Purge & Fill
25633341	Sample Date: 05/22/2025
	Sample Time: 11.17 AM
AREA 14 / RUN 1409	Sampled By: JORDAN MIKE
Heat Trace:	Sampled by (CO):
Remarks:	

**Analysis**

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.7602	0.7631	0.0840	0.00	0.0074
CO2	0.4671	0.4689	0.0800	0.00	0.0071
Methane	80.6320	80.9437	13.7140	814.38	0.4466
Ethane	10.0412	10.0800	2.6940	177.70	0.1042
Propane	4.6402	4.6581	1.2830	116.75	0.0706
Iso-Butane	0.4700	0.4718	0.1540	15.28	0.0094
N-Butane	1.7303	1.7370	0.5470	56.45	0.0347
I-Pentane	0.3170	0.3182	0.1160	12.68	0.0079
N-Pentane	0.3007	0.3019	0.1090	12.05	0.0075
Hexane Plus	0.6413	0.6438	0.2870	33.80	0.0212
<b>Total</b>	<b>100.0000</b>	<b>100.3865</b>	<b>19.0680</b>	<b>1239.11</b>	<b>0.7167</b>

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

\*\*@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0035	CYLINDER #:	6069
BTU/CU.FT IDEAL:	1242.0	CYLINDER PRESSURE:	47 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1246.3	ANALYSIS DATE:	05/29/2025
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1224.6	ANALYSIS TIME:	04:16:33 PM
DRY BTU @ 15.025:	1271.3	ANALYSIS RUN BY:	ALEXIS MITCHELL
REAL SPECIFIC GRAVITY:	0.719		

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 341; BHD BRADENHEAD 06/02/2025  
**Stn. No.:** 30-039-23403 35825-16370  
**Mtr. No.:** 25633341

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**Smpl Date:** 05/22/2025  
**Test Date:** 05/29/2025  
**Run No:** HS20250048

**Nitrogen:** 0.7602  
**CO2:** 0.4671  
**Methane:** 80.6320  
**Ethane:** 10.0412  
**Propane:** 4.6402  
**I-Butane:** 0.4700  
**N-Butane:** 1.7303  
**I-Pentane:** 0.3170  
**N-Pentane:** 0.3007  
**Hexane+:** 0.6413

**BTU:** 1246.3  
**GPM:** 19.0680  
**SPG:** 0.7190



Well Name: CANYON LARGO UNIT  
 API #: 24633341  
 Source: CASING  
 Sample Type: GAS  
 Analysis No: HS20250049  
 Cust No: 35825-12065

**Well/Lease Information**

Customer Name: HILCORP (BHD PROJECT)	Source: CASING
Well Name: CANYON LARGO UNIT 341; CSG	Well Flowing: N
County/State: RIO ARRIBA NM	Pressure: PSIG
Location:	Flow Temp: DEG. F
Lease/PA/CA: NMSF 079915	Ambient Temp: DEG. F
Formation:	Flow Rate: MCF/D
Cust. Stn. No.: 24633341	Sample Method: Purge & Fill
API # 3003923403	Sample Date: 05/22/2025
AREA 14 / RUN 1409	Sample Time: 11.12 AM
Heat Trace:	Sampled By: JORDAN MIKE
Remarks:	Sampled by (CO):

**Analysis**

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.6914	0.6935	0.0760	0.00	0.0067
CO2	0.4870	0.4885	0.0830	0.00	0.0074
Methane	79.4298	79.6705	13.5110	802.24	0.4400
Ethane	11.1436	11.1774	2.9900	197.21	0.1157
Propane	4.8725	4.8873	1.3470	122.60	0.0742
Iso-Butane	0.4663	0.4677	0.1530	15.16	0.0094
N-Butane	1.6604	1.6654	0.5250	54.17	0.0333
I-Pentane	0.2961	0.2970	0.1090	11.85	0.0074
N-Pentane	0.3138	0.3148	0.1140	12.58	0.0078
Hexane Plus	0.6391	0.6410	0.2860	33.69	0.0212
<b>Total</b>	<b>100.0000</b>	<b>100.3031</b>	<b>19.1940</b>	<b>1249.49</b>	<b>0.7229</b>

\* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

\*\*@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0036	CYLINDER #:	6020
BTU/CU.FT IDEAL:	1252.4	CYLINDER PRESSURE:	PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1256.9	ANALYSIS DATE:	05/29/2025
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1235.0	ANALYSIS TIME:	03:41:41 PM
DRY BTU @ 15.025:	1282.1	ANALYSIS RUN BY:	ALEXIS MITCHELL
REAL SPECIFIC GRAVITY:	0.7253		

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

<b>Lease:</b>	CANYON LARGO UNIT 341; CSG	CASING	06/02/2025
<b>Stn. No.:</b>	24633341		35825-12065
<b>Mtr. No.:</b>	API # 3003923403		

<b>Smpl Date:</b>	05/22/2025	10/25/2019
<b>Test Date:</b>	05/29/2025	11/04/2019
<b>Run No:</b>	HS20250049	HS190285
<b>Nitrogen:</b>	0.6914	0.8468
<b>CO2:</b>	0.4870	0.4070
<b>Methane:</b>	79.4298	81.0207
<b>Ethane:</b>	11.1436	10.0871
<b>Propane:</b>	4.8725	5.1445
<b>I-Butane:</b>	0.4663	0.4658
<b>N-Butane:</b>	1.6604	1.2982
<b>I-Pentane:</b>	0.2961	0.2385
<b>N-Pentane:</b>	0.3138	0.2317
<b>Hexane+:</b>	0.6391	0.2597
<b>BTU:</b>	1256.9	1223.1
<b>GPM:</b>	19.1940	18.9190
<b>SPG:</b>	0.7253	0.7039

Sante Fe Main Office  
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General Information  
Phone: (505) 629-6116

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 470972

**CONDITIONS**

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 470972
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

**CONDITIONS**

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