



Well Name: CANYON LARGO UNIT
 API #: 3003922687
 Source: BRADENHEAD
 Sample Type: GAS
 Analysis No: HS20220119
 Cust No: 35825-14510

Well/Lease Information

Customer Name:	HILCORP (BHD PROJECT)	Source:	BRADENHEAD
Well Name:	CANYON LARGO UNIT 304; BHD	Well Flowing:	Y
County/State:	RIO ARRIBA NM	Pressure:	117 PSIG
Location:		Flow Temp:	97 DEG. F
Lease/PA/CA:	NMSF-078877	Ambient Temp:	97 DEG. F
Formation:		Flow Rate:	0 MCF/D
Cust. Stn. No.:	3003922687	Sample Method:	
	93-788-01	Sample Date:	07/15/2022
		Sample Time:	3.15 PM
	AREA 14 / RUN 1409	Sampled By:	DANNY ROBERTS
Heat Trace:	N	Sampled by (CO):	HILCORP
Remarks:			

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.7276	0.7289	0.0800	0.00	0.0070
CO2	0.2211	0.2215	0.0380	0.00	0.0034
Methane	74.3102	74.4440	12.6460	750.53	0.4116
Ethane	12.7044	12.7273	3.4110	224.83	0.1319
Propane	7.5737	7.5873	2.0950	190.56	0.1153
Iso-Butane	0.7905	0.7919	0.2600	25.71	0.0159
N-Butane	2.2101	2.2141	0.6990	72.10	0.0444
I-Pentane	0.4861	0.4870	0.1780	19.45	0.0121
N-Pentane	0.5104	0.5113	0.1860	20.46	0.0127
Hexane Plus	0.4659	0.4667	0.2090	24.56	0.0154
Total	100.0000	100.1800	19.8020	1328.20	0.7697

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0041	CYLINDER #:	1838
BTU/CU.FT IDEAL:	1331.3	CYLINDER PRESSURE:	106 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1336.8	ANALYSIS DATE:	07/20/2022
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1313.5	ANALYSIS TIME:	03:04:28 PM
DRY BTU @ 15.025:	1363.6	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: 08/15/2022

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease:	CANYON LARGO UNIT 304; BHD	BRADENHEAD	08/15/2022
Stn. No.:	3003922687		35825-14510
Mtr. No.:	93-788-01		

Smpl Date: 07/15/2022
Test Date: 07/20/2022
Run No: HS20220119

Nitrogen: 0.7276
CO2: 0.2211
Methane: 74.3102
Ethane: 12.7044
Propane: 7.5737
I-Butane: 0.7905
N-Butane: 2.2101
I-Pentane: 0.4861
N-Pentane: 0.5104
Hexane+: 0.4659

BTU: 1336.8
GPM: 19.8020
SPG: 0.7725



Well Name: CANYON LARGO UNIT
 API #: 3003922687
 Source: CASING
 Sample Type: GAS
 Analysis No: HS20220120
 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:	133 PSIG
Location:		Flow Temp:	97 DEG. F
Lease/PA/CA:	NMSF-078877	Ambient Temp:	97 DEG. F
Formation:		Flow Rate:	0 MCF/D
Cust. Stn. No.:	3003922687	Sample Method:	
	93-788-01	Sample Date:	07/15/2022
	AREA 14 / RUN 1409	Sample Time:	3.10 PM
Heat Trace:	N	Sampled By:	DANNY ROBERTS
Remarks:		Sampled by (CO):	HILCORP

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.8362	0.8277	0.0920	0.00	0.0081
CO2	0.4936	0.4886	0.0850	0.00	0.0075
Methane	72.6136	71.8723	12.3600	733.40	0.4022
Ethane	13.1327	12.9986	3.5260	232.41	0.1363
Propane	8.1698	8.0864	2.2600	205.56	0.1244
Iso-Butane	0.8299	0.8214	0.2730	26.99	0.0167
N-Butane	2.3143	2.2907	0.7330	75.50	0.0464
I-Pentane	0.5072	0.5020	0.1860	20.29	0.0126
N-Pentane	0.5433	0.5378	0.1980	21.78	0.0135
Hexane Plus	0.5594	0.5537	0.2500	29.49	0.0185
Total	100.0000	98.9792	19.9630	1345.41	0.7863

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z):	1.0043	CYLINDER #:	1828
BTU/CU.FT IDEAL:	1348.5	CYLINDER PRESSURE:	130 PSIG
BTU/CU.FT (DRY) CORRECTED FOR (1/Z):	1354.3	ANALYSIS DATE:	07/20/2022
BTU/CU.FT (WET) CORRECTED FOR (1/Z):	1330.7	ANALYSIS TIME:	03:30:00 PM
DRY BTU @ 15.025:	1381.4	ANALYSIS RUN BY:	KERRA GONZALEZ
REAL SPECIFIC GRAVITY:	0.7894		

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: 08/15/2022

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease:	CANYON LARGO UNIT 304; CSG	CASING	08/15/2022
Stn. No.:	3003922687		35825-14515
Mtr. No.:	93-788-01		

Smpl Date: 07/15/2022
Test Date: 07/20/2022
Run No: HS20220120

Nitrogen: 0.8362
CO2: 0.4936
Methane: 72.6136
Ethane: 13.1327
Propane: 8.1698
I-Butane: 0.8299
N-Butane: 2.3143
I-Pentane: 0.5072
N-Pentane: 0.5433
Hexane+: 0.5594

BTU: 1354.3
GPM: 19.9630
SPG: 0.7894

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District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 135824

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 135824
	Action Type: [UF-GA] Gas Analysis (GAS ANALYSIS)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	bradenhead psi at time of sampling 117 - same gas bradenhead and production casing	9/20/2022