



OCD Received
5/11/2020

Well Name: CANYON LARGO UNIT
API #: API # 3003905554
Source: BRADENHEAD
Sample Type: GAS
Analysis No: HS200007
Cust No: 35825-10970

Well/Lease Information

Customer Name: HILCORP (BHD PROJECT)
Well Name: CANYON LARGO UNIT #20; BHD
County/State: RIO ARRIBA NM
Location:
Lease/PA/CA: FEE
Formation: NAC,OA,KL, FC, PC
Cust. Stn. No.: API # 3003905554
74-432-01

Source: BRADENHEAD
Well Flowing: N
Pressure: 120 PSIG
Flow Temp: DEG. F
Ambient Temp: 70 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 05/01/2020
Sample Time: 10.05 AM
Sampled By: SIMON RUDDER
Sampled by (CO): HILCORP

Heat Trace: AREA 14 / RUN 1409

Remarks: N

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.9487	0.9343	0.1050	0.00	0.0092
CO2	0.0346	0.0341	0.0060	0.00	0.0005
Methane	84.6755	83.3866	14.3960	855.22	0.4690
Ethane	7.4616	7.3480	2.0010	132.05	0.0775
Propane	4.1143	4.0517	1.1370	103.52	0.0626
Iso-Butane	0.9370	0.9227	0.3070	30.47	0.0188
N-Butane	0.9630	0.9483	0.3040	31.42	0.0193
I-Pentane	0.3536	0.3482	0.1300	14.15	0.0088
N-Pentane	0.2022	0.1991	0.0740	8.11	0.0050
Hexane Plus	0.3095	0.3048	0.1380	16.31	0.0102
Total	100.0000	98.4778	18.5980	1191.24	0.6810

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0031
BTU/CU.FT IDEAL: 1194.0
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1197.7
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1176.9
DRY BTU @ 15.025: 1221.7
REAL SPECIFIC GRAVITY: 0.6829

CYLINDER #: 4181
CYLINDER PRESSURE: 121 PSIG
ANALYSIS DATE: 05/06/2020
ANALYSIS TIME: 11:13:43 AM
ANALYSIS RUN BY: SHYANN ELLEDGE

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: 05/11/2020

GC Method: C6+ Gas



HILCORP (BHD PROJECT)
WELL ANALYSIS COMPARISON

Lease:	CANYON LARGO UNIT #20; BHD	BRADENHEAD	05/11/2020
Stn. No.:	API # 3003905554	NAC,OA,KL, FC, PC	35825-10970
Mtr. No.:	74-432-01		

Smpl Date:	05/01/2020	03/25/2019
Test Date:	05/06/2020	03/28/2019
Run No:	HS200007	HS190012
Nitrogen:	0.9487	0.9269
CO2:	0.0346	0.0727
Methane:	84.6755	84.3756
Ethane:	7.4616	7.4799
Propane:	4.1143	4.2037
I-Butane:	0.9370	0.9470
N-Butane:	0.9630	0.9969
I-Pentane:	0.3536	0.3743
N-Pentane:	0.2022	0.2228
Hexane+:	0.3095	0.4002
BTU:	1197.7	1205.3
GPM:	18.5980	18.6510
SPG:	0.6829	0.6881