

Laramie Energy LLC

Print Date Time: 08/04/2021 09:51

Analyzed By: Ryan Dreben

Meter ID: Kimball Creek 14-406D 08042021

2298

Analysis Time: 08/04/2021 09:45

Sample Type: Spot

Flowing Temp.: 64 Deg. F

Flowing Pressure: 106 psig

Calibration Elevation: 5080 ft

Location Elevation: 6853 ft

Comp	UnNorm %	Normal %	Liquids (USgal/MCF)	Ideal (Btu/SCF)	Rel. Density
Propane	2.37933	2.38359	0.65837	59.97356	0.03629
IsoButane	0.46526	0.46609	0.15292	15.15685	0.00935
Butane	0.56802	0.56904	0.17986	18.56367	0.01142
NeoPentane	0.00000	0.00000	0.00000	0.00000	0.00000
IsoPentane	0.20473	0.20510	0.07520	8.20581	0.00511
Pentane	0.17436	0.17468	0.06348	7.00227	0.00435
Nitrogen	0.08088	0.08103	0.00894	0.00000	0.00078
Methane	86.42307	86.57793	14.71549	874.43713	0.47956
Carbon Dioxide	2.78690	2.79190	0.47770	0.00000	0.04242
Ethylene	0.00000	0.00000	0.00000	0.00000	0.00000
Ethane	6.27199	6.28323	1.68471	111.19428	0.06523
Hexanes	0.16937	0.16968	0.06996	8.06969	0.00505
Heptanes	0.14847	0.14873	0.06880	8.18419	0.00515
Octanes	0.12753	0.12775	0.06562	7.98337	0.00504
Nonane+	0.01922	0.00000	0.00000	0.00000	0.00000
Nonanes	0.00000	0.01926	0.01086	1.34732	0.00085
Decanes	0.00000	0.00000	0.00000	0.00000	0.00000
Undecanes	0.00000	0.00000	0.00000	0.00000	0.00000
Hydrogen Sulfide	0.00200	0.00200	0.00027	0.01274	0.00002
Water	0.00000	0.00000	0.00000	0.00000	0.00000
Helium	0.00000	0.00000	0.00000	0.00000	0.00000
Hydrogen	0.00000	0.00000	0.00000	0.00000	0.00000
Pentane-	0.00000	0.00000	0.00000	0.00000	0.00000
Hexane+	0.00000	0.00000	0.00000	0.00000	0.00000
Propane+	0.00000	0.00000	0.00000	0.00000	0.00000
Ethane-	0.00000	0.00000	0.00000	0.00000	0.00000
Total	99.81913	100.00000	18.23218	1120.13086	0.67229
Elevation (-1773ft)	2.85293				
Inferior Wobbe (Btu/SCF)	1350.1501 (Btu/SCF)		Superior Wobbe	1373.1713	
Compressibility (lbm/ft3)	0.9972		Density	0.0514	

Real Rel. Density	0.6723	Ideal CV	1120.1309
(Btu/SCF)			
Wet CV	1106.3577 (Btu/SCF)	Dry CV	1125.9081
(Btu/SCF)			
Contract Temp.	60.0000 (deg F)	Contract Press.	14.7300 (psia)
Number of Cycles	3	Connected Stream	1
Atmospheric Pressure	11.47		