

TEP Rocky Mountain LLC, Gas Analysis

GPA 2145-09 Analysis Calculation

	Sample Information
Sample Name	62053660 GV 5-33
Operator:	Jeremy Bonuales
Meter Station Number:	62053660
Field Remarks:	GV 5-33
Sample Pressure PSIG:	114
Sample Temperature :	87
Atmospheric Pressure:	12.02
COC #	NA
Analysis Type:	Spot / Portable GC
Heat Traced Used:	Heated JT Reg / Heated hose
Flow Rate (MCF):	58
Ambient Air Temp:	79
Last GC Calibration / Verification:	6-10-2024
Sample Notes	Annual/Re-Sample
Injection Date	2024-06-11 11:09:55
Source Data File	62053660 June24A.dat

Component Results

Component Name	Peak Area	Raw Amount	Norm%	Gross HV (Dry) (BTU / Ideal cu.ft.)	Relative Gas Density (Dry)	GPM (Dry) (Gal. / 1000 cu.ft.)
Nitrogen	31842.0	0.0650	0.0641	0.0	0.00062	0.000
Methane	37718176.0	90.6360	89.3776	904.8	0.49506	0.000
CO2	2347738.0	3.6480	3.5973	0.0	0.05466	0.000
Ethane	3259091.0	4.8230	4.7560	84.4	0.04938	1.275
Propane	969814.0	1.1380	1.1222	28.3	0.01709	0.310
iso-Butane	765906.0	0.2800	0.2761	9.0	0.00554	0.091
n-Butane	626131.0	0.2210	0.2179	7.1	0.00437	0.069
iso-Pentane	359289.0	0.1110	0.1095	4.4	0.00273	0.040
n-Pentane	232165.0	0.0700	0.0690	2.8	0.00172	0.025
Hexanes	367711.0	0.1010	0.0996	4.7	0.00296	0.041
Heptanes	455930.0	0.1150	0.1134	6.3	0.00392	0.052
Octanes	558502.0	0.1330	0.1312	8.2	0.00517	0.067
Nonane Plus	323028.0	0.0670	0.0661	4.6	0.00293	0.037
Water	0.0	0.0000	0.0000	0.0	0.00000	0.000
Total:		101.4080	100.0000	1064.6	0.64615	2.008

Results Summary

Result	Dry	Sat. (Base)
Total Raw Mole% (Dry)	101.4080	
Pressure Base (psia)	14.730	
Temperature Base	60.0	
Water Mole%	-	1.7404
Gross Heating Value (BTU / Ideal cu.ft.)	1064.61	1046.08
Gross Heating Value (BTU / Real cu.ft.)	1067.41	1049.21
Relative Density (G), Real	0.6476	0.6474
Compressibility (Z) Factor	0.9974	0.9970
Wobbe Index	1326.4	1304.0