

TEP Rocky Mountain LLC, Gas Analysis

GPA 2145-09 Analysis Calculation

	Sample Information
Sample Name	GV 5-33 Bradenhead
Operator:	Jeremy Bonuales
Meter Station Number:	62053660
Field Remarks:	GV 5-33 Bradenhead
Sample Pressure PSIG:	97
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):	No Flow
Ambient Air Temp:	90
Last GC Calibration / Verification:	6-10-2024
Sample Notes	Spot Sample
Injection Date	2024-06-11 11:35:38
Source Data File	GV 5-33 BradenheadA.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	139361.0	0.2820	0.2823	0.0	0.00273	0.000	
Methane	39407205.0	94.6950	94.7802	959.5	0.52499	0.000	
CO2	0.0	0.0000	0.0000	0.0	0.00000	0.000	
Ethane	2040198.0	3.0190	3.0217	53.6	0.03137	0.810	
Propane	957577.0	1.1240	1.1250	28.4	0.01713	0.311	
iso-Butane	524844.0	0.1920	0.1922	6.3	0.00386	0.063	
n-Butane	802035.0	0.2840	0.2843	9.3	0.00571	0.090	
iso-Pentane	265270.0	0.0820	0.0821	3.3	0.00205	0.030	
n-Pentane	228948.0	0.0690	0.0691	2.8	0.00172	0.025	
Hexanes	213012.0	0.0590	0.0591	2.8	0.00176	0.024	
Heptanes	184047.0	0.0460	0.0460	2.5	0.00159	0.021	
Octanes	166787.0	0.0400	0.0400	2.5	0.00158	0.021	
Nonane Plus	86418.0	0.0180	0.0180	1.3	0.00080	0.010	
Water	0.0	0.0000	0.0000	0.0	0.00000	0.000	
Total:		99.9100	100.0000	1072.2	0.59527	1.405	

Results Summary

Result	Dry	Sat. (Base)	
Total Raw Mole% (Dry)	99.9100		
Pressure Base (psia)	14.730		
Temperature Base	60.0		
Water Mole%	-	1.7404	
Gross Heating Value (BTU / Ideal cu.ft.)	1072.22	1053.56	
Gross Heating Value (BTU / Real cu.ft.)	1074.72	1056.39	
Relative Density (G), Real	0.5964	0.5971	
Compressibility (Z) Factor	0.9977	0.9973	
Wobbe Index	1391.6	1367.1	