



C9+ Analysis

GPA 2172/API 14.5 Report with GPA 2145 Physical Properties

Sample Information

		Sample Information
Sample Name		BARNEY COMPRESSOR
Operator		Permian Resources
Lease		BARNEY COMPRESSOR
Sample Date/Time:	Effective Date:	1-17-25 11:34 AM
Sample End Date		
Laboratory		Laboratory Services and Measurement
Technician		OR
Analyzer Type		Gas Chromatograph - TCD
Analyzer Make & Model		AGILENT MICRO GC 3000
Last Calibration/Validation Date		1-13-25
Sample Temperature		
Sample Pressure		
Sample Flow Rate		
Ambient Temperature		46 F
Heat Tracing		No
Sample Type		Spot
Sampling Method		Fill and Purge
Company Collecting Sample		LSM
Sampled By		JH
Cylinder #		246
Mole, Weight, or Percent (For Flowcal DON'T EDIT)		M
Sample Calculation Method(For Flowcal DON'T EDIT)		GPA 2172/API 14.5 Report with GPA 2145 Physical Properties
Analysis Date		2025-01-17 13:09:00

Component Results

Component Name	Un-Normalized Mole%	Norm Mole%	
Nitrogen	1.3320	1.3582	
Carbon Dioxide	0.0980	0.0999	
Methane	76.3770	77.8800	
Ethane	10.5890	10.7974	
Propane	6.2890	6.4128	
isobutane	0.1160	0.1183	

Component Name	Un-Normalized Mole%	Norm Mole%	
n-Butane	0.7160	0.7301	
isopentane	0.1450	0.1479	
n-Pentane	0.9950	1.0146	
hexanes	0.5910	0.6026	
heptanes	0.5470	0.5578	
octanes	0.2130	0.2172	
nonanes+	0.0620	0.0632	
hydrogen sulfide	0.0000	0.0000	
Total:	98.0700	100.0000	

Results Summary

Result	Dry	Wet/Sat	
Total Un-Normalized Mole%	98.0700		
Pressure Base (psia)	14.730		
Temperature Base (Deg. F)	60.00		
Gross Heating Value (BTU / Ideal cu.ft.)	1293.6	1271.1	
Gross Heating Value (BTU / Real cu.ft.)	1298.7	1276.6	
Relative Density (G), Ideal	0.7503	0.7481	
Relative Density (G), Real	0.7530	0.7511	
Compressibility (Z) Factor	0.9961	0.9957	
Total GPM	19.438	19.207	