

WPX Energy Gas Analysis

GPA 2145-09 Analysis Calculation

Sample Information

	Sample Information
Sample Name	62182746 BCU 33-18-198
Operator:	Andrew Schoeppner
Meter Station Number:	62182746
Field Remarks:	BCU 33-18-198
Sample Pressure:	220
Sample Temperature:	72
Atmospheric Pressure:	11.65
Operator	System
Sample Notes	Re-sample
Injection Date	2014-10-20 10:43:51
Source Data File	62182746 Oct 14 a.dat

Component Results

Component Name	Ret. Time	Peak Area	Norm%	Gross HV (Dry) (BTU / Ideal cu.ft.)	Relative Gas Density (Dry)	GPM (Dry) (Gal. / 1000 cu.ft.)	
Nitrogen	0.165	99800.0	0.1114	0.0	0.00108	0.000	
Methane	0.172	50758055.0	76.1604	771.0	0.42185	0.000	
CO2	0.263	5749222.0	5.4339	0.0	0.08257	0.000	
Ethane	0.324	11919225.0	10.3186	183.0	0.10713	2.769	
Propane	1.188	6788162.0	4.7959	120.9	0.07302	1.326	
iso-Butane	0.325	5520283.0	0.9988	32.6	0.02004	0.328	
n-Butane	0.345	6545654.0	1.1487	37.6	0.02305	0.363	
iso-Pentane	0.410	2206189.0	0.3451	13.8	0.00860	0.127	
n-Pentane	0.437	1861206.0	0.2731	11.0	0.00680	0.099	
Hexanes	0.000	1403252.0	0.1893	9.0	0.00563	0.078	
Heptanes	0.000	981885.0	0.1272	7.0	0.00440	0.059	
Octanes	0.000	669632.0	0.0848	5.3	0.00334	0.044	
Nonane Plus	0.000	85728.0	0.0128	0.9	0.00057	0.007	
Water	0.000	0.0	0.0000	0.0	0.00000	0.000	
Total:			100.0000	1192.2	0.75808	5.200	

Results Summary

Result	Dry	Sat.
Total Raw Mole% (Dry)	101.4190	
Pressure Base (psia)	14.730	
Temperature Base	60.0	
Water Mole%	-	1.7404
Gross Heating Value (BTU / Ideal cu.ft.)	1192.16	1171.41
Gross Heating Value (BTU / Real cu.ft.)	1196.52	1176.18
Relative Density (G), Real	0.7605	0.7585
Compressibility (Z) Factor	0.9963	0.9959
Wobbe Index	1372.0	1350.5