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## Natural Gas Analysis Report Completed for 123 Production

### Sample Information

Sample Information	
Sample Name	Johnson 18-H
Operator	Sam Smith
Method Name	GPA Standard 2286 C1-C10+.met
Injection Date	11/21/2015 3:28:44 PM (GMT -06:00)
Report Date	2015-11-21 15:34:25
Meter Number	78133262-Rep1.dat
NGA Phys. Property Data Source	GPA Standard 2145-09 (FPS)

### Component Results

Component Name	UnNorm%	Norm%	Gross HV (Dry) (BTU / Ideal cu.ft.)	Gross HV (Sat.) (BTU / Ideal cu.ft.)	Relative Gas Density (Dry)	Relative Gas Density (Sat.)
Nitrogen	1.3560	1.3532	0.0	0.0	0.01309	0.01286
Oxygen	0.0000	0.0000	0.0	0.0	0.00000	0.00000
Methane	76.9800	76.8193	777.7	764.1	0.42550	0.41810
Carbon Dioxide	0.3470	0.3463	0.0	0.0	0.00526	0.00517
Ethane	13.3990	13.3711	237.2	233.0	0.13882	0.13640
Propane	4.9900	4.9796	125.6	123.4	0.07581	0.07449
i-Butane	0.6200	0.6187	20.2	19.8	0.01242	0.01220
n-Butane	1.4070	1.4041	45.9	45.1	0.02818	0.02769
i-Pentane	0.3450	0.3443	13.8	13.6	0.00858	0.00843
n-Pentane	0.3760	0.3752	15.1	14.8	0.00935	0.00918
Hexanes Plus	0.3890	0.3882	20.0	19.6	0.01249	0.01227
Water	0.0000	0.0000	0.0	0.0	0.00000	0.01083
Total:	100.2090	100.0000	1255.3	1233.5	0.72949	0.72762

### Results Summary

Result	Dry	Sat.
Pressure Base (psia)	14.730	
Temperature Base	60.0	
Gross Heating Value (BTU / Ideal cu.ft.)	1255.3	1233.5
Gross Heating Value (BTU / Real cu.ft.)	1259.9	1238.5
Net Heating Value (BTU / Real cu.ft.)	1143.0	1123.6
Relative Density (G), Real	0.7318	0.7302
Compressibility (Z) Factor	0.9964	0.9960