

Natural Gas Analysis Report SAN JUAN DIVISION

JUN 02 2015

Sample Information

	Sample Information
Sample Name	MORRIS CM COM A1 TUBEING <i>API # 30-045-06721</i>
TECH	Tim Doering
GC Serial	GC1008B621
Report Date	2015-05-28 08:44:06

Component Results

Component Name	Norm%	Gross HV (Dry) (BTU / Ideal cu.ft.)	Relative Gas Density (Dry)	GPM (Dry) (Gal. / 1000 cu.ft.)
Nitrogen	1.6563	0.0	0.01602	0.183
Oxygen	0.0176	0.0	0.00019	0.002
Methane	84.8617	859.1	0.47005	14.426
Carbon Dioxide	0.0402	0.0	0.00061	0.007
Ethane	7.3800	130.9	0.07662	1.979
Propane	3.7155	93.7	0.05657	1.026
I-Butane	0.7331	23.9	0.01471	0.241
N-Butane	0.8262	27.0	0.01658	0.261
I-Pentane	0.3313	13.3	0.00825	0.121
N-Pentane	0.2803	11.3	0.00698	0.102
Hexanes	0.1402	6.7	0.00417	0.058
Heptanes	0.0098	0.5	0.00034	0.005
Octanes	0.0039	0.2	0.00015	0.002
Nonanes	0.0039	0.3	0.00017	0.002
Hydrogen Sulfide	0.0000	0.0	0.00000	0.000
Water	0.0000	0.0	0.00000	0.000
Total:	100.0000	1166.9	0.67143	18.414

Results Summary

Result	Dry	Sat.
Total Normalized Mole%	100.0000	100.0000
Pressure Base (psia)	14.730	
Flowing Temperature (Deg. F)	65.0	
Flowing Pressure (psia)	5.0	
Gross Heating Value (BTU / Real cu.ft.)	1170.4	1150.4
Relative Density (G), Real	0.6731	0.6725
Compressibility (Z) Factor	0.9970	0.9967
Total GPM	18.414	18.200