

Natural Gas Analysis Report **SAN JUAN DIVISION**

JUN 02 2015

Sample Information

Sample Information	
Sample Name	MORRIS CM COM A1 CASEING
TECH	Tim Doering
GC Serial	GC1008B621
Report Date	2015-05-28 08:49:49

API # 30-045-06721

Component Results

Component Name	Norm%	Gross HV (Dry) (BTU / Ideal cu.ft.)	Relative Gas Density (Dry)	GPM (Dry) (Gal. / 1000 cu.ft.)
Nitrogen	1.6741	0.0	0.01619	0.185
Oxygen	0.0088	0.0	0.00010	0.001
Methane	84.7963	858.4	0.46969	14.415
Carbon Dioxide	0.0440	0.0	0.00067	0.008
Ethane	7.2593	128.8	0.07537	1.947
Propane	3.6951	93.2	0.05626	1.021
I-Butane	0.7887	25.7	0.01583	0.259
N-Butane	0.8600	28.1	0.01726	0.272
I-Pentane	0.3714	14.9	0.00925	0.136
N-Pentane	0.3196	12.8	0.00796	0.116
Hexanes	0.1534	7.3	0.00456	0.063
Heptanes	0.0186	1.0	0.00064	0.009
Octanes	0.0068	0.4	0.00027	0.003
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	1171.0	0.67422	18.436

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.)	1174.5	1154.5
Relative Density (G), Real	0.6759	0.6753
Compressibility (Z) Factor	0.9970	0.9966
Total GPM	18.436	18.222