

Natural Gas Analysis Report SAN JUAN DIVISION

JUL 21 2017

Sample Information

	Sample Information
Sample Name	SULLIVAN A1F BH API# 30-045-35372
TECH	Tim Doering
GC Serial	GC1008B621
Operator	XTO
Report Date	2017-07-13 11:32:33

Component Results

Component Name	Raw Amount	Norm%	Gross HV (Dry) (BTU / Ideal cu.ft.)	Relative Gas Density (Dry)	GPM (Dry) (Gal. / 1000 cu.ft.)
Nitrogen	0.0370	0.0372	0.0	0.00036	0.004
Oxygen	0.0070	0.0070	0.0	0.00008	0.001
Methane	89.5380	89.9744	910.8	0.49837	15.290
Carbon Dioxide	0.0000	0.0000	0.0	0.00000	0.000
Ethane	6.3670	6.3980	113.5	0.06642	1.715
Propane	2.5090	2.5212	63.6	0.03839	0.696
I-Butane	0.3860	0.3879	12.6	0.00778	0.127
N-Butane	0.4570	0.4592	15.0	0.00922	0.145
I-Pentane	0.1130	0.1136	4.6	0.00283	0.042
N-Pentane	0.0640	0.0643	2.6	0.00160	0.023
Hexanes	0.0370	0.0372	1.8	0.00111	0.015
Heptanes	0.0000	0.0000	0.0	0.00000	0.000
Octanes	0.0000	0.0000	0.0	0.00000	0.000
Nonanes	0.0000	0.0000	0.0	0.00000	0.000
Hydrogen Sulfide	0.0000	0.0000	0.0	0.00000	0.000
Water	0.0000	0.0000	0.0	0.00000	0.000
Total:	99.5150	100.0000	1124.5	0.62615	18.058

Results Summary

Result	Dry	Sat.
Total Normalized Mole%	100.0000	100.0000
Pressure Base (psia)	14.730	
Flowing Temperature (Deg. F)	86.0	
Flowing Pressure (psia)	55.0	
Gross Heating Value (BTU / Real cu.ft.)	1127.4	1108.2
Relative Density (G), Real	0.6275	0.6277
Compressibility (Z) Factor	0.9974	0.9970
Total GPM	18.058	17.850