

Natural Gas Analysis Report SAN JUAN DIVISION

Sample Information

Sample Information	
Sample Name	UTE INDIANS A55 CASEING <i>API# 30-045-20770</i>
TECH	Tim Doering
GC Serial	GC1008B621
Report Date	2015-05-27 08:38:35

Component Results

Component Name	Norm%	Gross HV (Dry) (BTU / Ideal cu.ft.)	Relative Gas Density (Dry)	GPM (Dry) (Gal. / 1000 cu.ft.)	
Nitrogen	1.5293	0.0	0.01479	0.169	
Oxygen	0.0313	0.0	0.00035	0.003	
Methane	91.5948	927.2	0.50734	15.566	
Carbon Dioxide	2.7521	0.0	0.04182	0.471	
Ethane	1.4823	26.3	0.01539	0.397	
Propane	0.4836	12.2	0.00736	0.134	
I-Butane	0.1674	5.5	0.00336	0.055	
N-Butane	0.3104	10.1	0.00623	0.098	
I-Pentane	0.1351	5.4	0.00337	0.050	
N-Pentane	0.1175	4.7	0.00293	0.043	
Hexanes	0.1919	9.1	0.00571	0.079	
Heptanes	0.1890	10.4	0.00654	0.087	
Octanes	0.6883	43.1	0.02715	0.353	
Nonanes	0.1214	8.5	0.00538	0.068	
Hydrogen Sulfide	0.2056	1.3	0.00242	0.028	
Water	0.0000	0.0	0.00000	0.000	
Total:	100.0000	1064.0	0.65012	17.600	

Results Summary

Result	Dry	Sat.	
Total Normalized Mole%	100.0000	100.0000	
Pressure Base (psia)	14.730		
Flowing Temperature (Deg. F)	70.0		
Flowing Pressure (psia)	450.0		
Gross Heating Value (BTU / Real cu.ft.)	1066.8	1048.6	
Relative Density (G), Real	0.6516	0.6513	
Compressibility (Z) Factor	0.9973	0.9970	
Total GPM	17.600	17.400	

Natural Gas Analysis Report SAN JUAN DIVISION

Sample Information

Sample Information	
Sample Name	MOUNTAIN UTE COM A1 BH
TECH	Tim Doering
GC Serial	GC1008B621
Report Date	2015-04-24 13:13:34

API # 30-045-20770

Component Results

Component Name	Norm%	Gross HV (Dry) (BTU / Ideal cu.ft.)	Relative Gas Density (Dry)	GPM (Dry) (Gal. / 1000 cu.ft.)
Nitrogen	0.9523	0.0	0.00921	0.105
Oxygen	0.0098	0.0	0.00011	0.001
Methane	81.7980	828.1	0.45308	13.909
Carbon Dioxide	0.0000	0.0	0.00000	0.000
Ethane	9.4815	168.2	0.09844	2.543
Propane	5.2272	131.8	0.07958	1.444
I-Butane	0.5227	17.0	0.01049	0.172
N-Butane	1.2073	39.5	0.02423	0.382
I-Pentane	0.2903	11.6	0.00723	0.106
N-Pentane	0.2913	11.7	0.00726	0.106
Hexanes	0.1500	7.2	0.00446	0.062
Heptanes	0.0569	3.1	0.00197	0.026
Octanes	0.0088	0.6	0.00035	0.005
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	1219.1	0.69658	18.864

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)	65.0	
Gross Heating Value (BTU / Real cu.ft.)	1223.1	1202.3
Relative Density (G), Real	0.6986	0.6975
Compressibility (Z) Factor	0.9967	0.9963
Total GPM	18.864	18.643