

Natural Gas Analysis Report SAN JUAN DIVISION

Sample Information

30-045-24851

Sample Information	
Sample Name	FARMINGTON TOWNSITE COM 1E BH
TECH	Tim Doering
GC Serial	GC1008B621
Report Date	2016-11-11 09:56:02

Component Results

Component Name	Norm%	Gross HV (Dry) (BTU / Ideal cu.ft.)	Relative Gas Density (Dry)	GPM (Dry) (Gal. / 1000 cu.ft.)
Nitrogen	0.8305	0.0	0.00803	0.092
Oxygen	0.0990	0.0	0.00109	0.009
Methane	77.5657	785.2	0.42964	13.202
Carbon Dioxide	1.0562	0.0	0.01605	0.181
Ethane	10.0343	178.0	0.10418	2.694
Propane	4.5920	115.8	0.06991	1.270
I-Butane	0.7483	24.4	0.01502	0.246
N-Butane	1.5214	49.7	0.03053	0.482
I-Pentane	0.6820	27.3	0.01699	0.250
N-Pentane	0.6632	26.6	0.01652	0.241
Hexanes	1.4422	68.7	0.04291	0.595
Heptanes	0.7078	39.0	0.02449	0.328
Octanes	0.0495	3.1	0.00195	0.025
Nonanes	0.0079	0.6	0.00035	0.004
Hydrogen Sulfide	0.0000	0.0	0.00000	0.000
Water	0.0000	0.0	0.00000	0.000
Total:	100.0000	1318.6	0.77766	19.620

OIL CONS. DIV DIST. 3
NOV 16 2016

Results Summary

Result	Dry	Sat.
Total Normalized Mole%	100.0000	100.0000
Pressure Base (psia)	14.730	
Flowing Temperature (Deg. F)	45.0	
Flowing Pressure (psia)	50.0	
Gross Heating Value (BTU / Real cu.ft.)	1324.2	1301.7
Relative Density (G), Real	0.7806	0.7782
Compressibility (Z) Factor	0.9958	0.9954
Total GPM	19.620	19.387

Natural Gas Analysis Report

SAN JUAN DIVISION

Sample Information

Sample Information	
Sample Name	FARMINGTON TOWNSITE COM 1E CASING
TECH	Tim Doering
GC Serial	GC1008B621
Report Date	2016-11-11 09:49:05

Component Results

Component Name	Norm%	Gross HV (Dry) (BTU / Ideal cu.ft.)	Relative Gas Density (Dry)	GPM (Dry) (Gal. / 1000 cu.ft.)
Nitrogen	0.4999	0.0	0.00484	0.055
Oxygen	0.0078	0.0	0.00009	0.001
Methane	80.6406	816.4	0.44667	13.715
Carbon Dioxide	1.0838	0.0	0.01647	0.186
Ethane	10.0490	178.2	0.10433	2.696
Propane	4.4479	112.2	0.06772	1.229
I-Butane	0.6681	21.8	0.01341	0.219
N-Butane	1.2668	41.4	0.02542	0.401
I-Pentane	0.4157	16.7	0.01036	0.153
N-Pentane	0.3502	14.1	0.00872	0.127
Hexanes	0.4284	20.4	0.01275	0.177
Heptanes	0.1291	7.1	0.00447	0.060
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	1229.1	0.71575	19.025

Results Summary

Result	Dry	Sat.
Total Normalized Mole%	100.0000	100.0000
Pressure Base (psia)	14.730	
Flowing Temperature (Deg. F)	45.0	
Flowing Pressure (psia)	181.0	
Gross Heating Value (BTU / Real cu.ft.)	1233.4	1212.4
Relative Density (G), Real	0.7179	0.7166
Compressibility (Z) Factor	0.9965	0.9961
Total GPM	19.025	18.801