

Natural Gas Analysis Report **SAN JUAN DIVISION**

Sample Information

30-045-09218

Sample Information	
Sample Name	MCCOY GC D1 BH
TECH	Tim Doering
GC Serial	GC1008B621
Report Date	2016-11-11 09:03:15

Component Results

Component Name	Norm%	Gross HV (Dry) (BTU / Ideal cu.ft.)	Relative Gas Density (Dry)	GPM (Dry) (Gal. / 1000 cu.ft.)
Nitrogen	0.7974	0.0	0.00771	0.088
Oxygen	0.0058	0.0	0.00006	0.001
Methane	91.2388	923.6	0.50537	15.503
Carbon Dioxide	0.0000	0.0	0.00000	0.000
Ethane	4.8429	85.9	0.05028	1.298
Propane	1.8678	47.1	0.02844	0.516
I-Butane	0.3604	11.7	0.00723	0.118
N-Butane	0.4507	14.7	0.00904	0.142
I-Pentane	0.1447	5.8	0.00360	0.053
N-Pentane	0.0884	3.6	0.00220	0.032
Hexanes	0.1146	5.5	0.00341	0.047
Heptanes	0.0457	2.5	0.00158	0.021
Octanes	0.0253	1.6	0.00100	0.013
Nonanes	0.0175	1.2	0.00077	0.010
Hydrogen Sulfide	0.0000	0.0	0.00000	0.000
Water	0.0000	0.0	0.00000	0.000
Total:	100.0000	1103.3	0.62071	17.842

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)	15.0	
Gross Heating Value (BTU / Real cu.ft.)	1106.1	1087.2
Relative Density (G), Real	0.6220	0.6223
Compressibility (Z) Factor	0.9975	0.9971
Total GPM	17.842	17.638

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Natural Gas Analysis Report

SAN JUAN DIVISION

Sample Information

Sample Information	
Sample Name	MCCOY GC D1 CASING
TECH	Tim Doering
GC Serial	GC1008B621
Report Date	2016-11-11 08:50:03

Component Results

Component Name	Norm%	Gross HV (Dry) (BTU / Ideal cu.ft.)	Relative Gas Density (Dry)	GPM (Dry) (Gal. / 1000 cu.ft.)
Nitrogen	0.4688	0.0	0.00453	0.052
Oxygen	0.0088	0.0	0.00010	0.001
Methane	82.5993	836.2	0.45752	14.046
Carbon Dioxide	1.6158	0.0	0.02455	0.277
Ethane	8.8922	157.7	0.09232	2.385
Propane	3.5516	89.6	0.05407	0.981
I-Butane	0.5050	16.5	0.01013	0.166
N-Butane	0.9111	29.8	0.01828	0.288
I-Pentane	0.2877	11.5	0.00717	0.106
N-Pentane	0.2554	10.3	0.00636	0.093
Hexanes	0.4316	20.6	0.01284	0.178
Heptanes	0.2975	16.4	0.01029	0.138
Octanes	0.1135	7.1	0.00448	0.058
Nonanes	0.0617	4.3	0.00273	0.035
Hydrogen Sulfide	0.0000	0.0	0.00000	0.000
Water	0.0000	0.0	0.00000	0.000
Total:	100.0000	1199.9	0.70538	18.804

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)	15.0	
Gross Heating Value (BTU / Real cu.ft.)	1204.0	1183.5
Relative Density (G), Real	0.7074	0.7063
Compressibility (Z) Factor	0.9967	0.9963
Total GPM	18.804	18.584