

Natural Gas Analysis Report

SAN JUAN DIVISION

Sample Information

Sample Information		
Sample Name	CALPINE SWD 1	API# 30-045-09068
TECH	Tim Doering	
GC Serial	GC1008B621	
Operator	HEC	
Report Date	2018-11-01 11:38:17	

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	1.4650	1.3346	0.0	0.01291	0.147
Oxygen	0.0810	0.0738	0.0	0.00082	0.007
Methane	106.7590	97.2534	984.5	0.53869	16.518
Carbon Dioxide	0.0000	0.0000	0.0	0.00000	0.000
Ethane	0.0240	0.0219	0.4	0.00023	0.006
Propane	0.5470	0.4983	12.6	0.00759	0.138
I-Butane	0.2820	0.2569	8.4	0.00516	0.084
N-Butane	0.2790	0.2542	8.3	0.00510	0.080
I-Pentane	0.0860	0.0783	3.1	0.00195	0.029
N-Pentane	0.0860	0.0783	3.1	0.00195	0.028
Hexanes	0.1650	0.1503	7.2	0.00447	0.062
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:	109.7740	100.0000	1027.6	0.57885	17.099

Results Summary

Result	Dry	Sat.
Total Normalized Mole%	100.0000	100.0000
Pressure Base (psia)	14.730	
Flowing Temperature (Deg. F)	55.0	
Flowing Pressure (psia)	10.0	
Gross Heating Value (BTU / Real cu.ft.)	1029.8	1012.2
Relative Density (G), Real	0.5798	0.5808
Compressibility (Z) Factor	0.9979	0.9976
Total GPM	17.099	16.906

NMOC

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DISTRICT III