

Hilcorp Energy
Natural Gas Analysis Report
SAN JUAN DIVISION

Sample Information

Sample Information	
Sample Name	SANJUAN316 301 SWD
TECH	JERRY VIGIL
GC Serial	GC1008B621
Operator	HEC
Report Date	2019-09-11 10:31:13

NMOC

SEP 20 2019

DISTRICT III

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	1.3260	2.1812	0.0	0.02110	0.241
Oxygen	0.1330	0.2188	0.0	0.00242	0.019
Methane	48.7790	80.2392	812.3	0.44444	13.648
Carbon Dioxide	0.3740	0.6152	0.0	0.00935	0.105
Ethane	5.0290	8.2725	146.7	0.08589	2.220
Propane	2.5470	4.1897	105.7	0.06379	1.158
I-Butane	0.4280	0.7040	22.9	0.01413	0.231
N-Butane	0.6840	1.1251	36.8	0.02258	0.356
I-Pentane	0.2060	0.3389	13.6	0.00844	0.124
N-Pentane	0.1650	0.2714	10.9	0.00676	0.099
Hexanes	1.1210	1.8440	87.9	0.05487	0.761
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:	60.7920	100.0000	1236.8	0.73376	18.963

Results Summary

Result	Dry	Sat. (Base)
Total Normalized Mole%	100.0000	100.0000
Pressure Base (psia)	14.730	
Flowing Temperature (Deg. F)	75.0	
Flowing Pressure (psia)	5.0	
Gross Heating Value (BTU / Real cu.ft.)	1241.3	1220.2
Relative Density (G), Real	0.7361	0.7344
Compressibility (Z) Factor	0.9964	0.9960
Total GPM	18.963	18.740