

JUL 16 2014

Natural Gas Analysis Report SAN JUAN DIVISION

Sample Information

Sample Information	
Sample Name	22169-STANOLIND GAS COM B4 INTERMEDIATE CASING
TECH	Jimmy Petree
GC Serial	GC1105B610
Operator	XTO ENERGY
Report Date	2014-07-16 10:47:26

Component Results

Component Name	Norm%	Gross HV (Dry) (BTU / Ideal cu. ft.)	Relative Gas Density (Dry)	GPM (Dry) (Gal. / 1000 cu. ft.)	
Nitrogen	0.8570	0.0	0.00829	0.095	
Oxygen	0.0078	0.0	0.00009	0.001	
Methane	83.8337	848.7	0.46435	14.252	
Carbon Dioxide	0.0049	0.0	0.00007	0.001	
Ethane	8.6553	153.5	0.08986	2.321	
Propane	4.8539	122.4	0.07390	1.341	
I-Butane	0.3743	12.2	0.00751	0.123	
N-Butane	0.9020	29.5	0.01810	0.285	
I-Pentane	0.2023	8.1	0.00504	0.074	
N-Pentane	0.1857	7.5	0.00463	0.068	
Hexanes	0.0655	3.1	0.00195	0.027	
Heptanes	0.0498	2.7	0.00172	0.023	
Octanes	0.0039	0.2	0.00015	0.002	
Nonanes	0.0039	0.3	0.00017	0.002	
Hydrogen Sulfide	0.0000	0.0	0.00000	0.000	
Total:	100.0000	1188.3	0.67584	18.615	

Results Summary

Result	Dry	
Total Normalized Mole%	100.0000	
Pressure Base (psia)	14.730	
Temperature Base	60.0	
Flowing Temperature (Deg. F)	77.0	
Flowing Pressure (psia)	70.0	
Gross Heating Value (BTU / Real cu.ft.)	1191.9	
Relative Density (G), Real	0.6776	
Compressibility (Z) Factor	0.9969	
Total GPM	18.615	