

XTO ENERGY INC.

Natural Gas Analysis Report SAN JUAN DIVISION

OIL CONS. DIV DIST. 3
APR 14 2017

30.045-30281

Sample Information

Sample Information	
Sample Name	BLANCETT COM 1A BH
TECH	Tim Doering
GC Serial	GC1008B621
Operator	XTO
Report Date	2017-04-05 09:08:38

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	0.5580	0.5449	0.0	0.00527	0.060
Oxygen	0.0390	0.0381	0.0	0.00042	0.003
Methane	83.6180	81.6597	826.7	0.45231	13.888
Carbon Dioxide	0.3460	0.3379	0.0	0.00513	0.058
Ethane	9.7990	9.5695	169.7	0.09935	2.567
Propane	4.6980	4.5880	115.7	0.06985	1.268
I-Butane	0.6510	0.6358	20.7	0.01276	0.209
N-Butane	1.2950	1.2647	41.4	0.02538	0.400
I-Pentane	0.4630	0.4522	18.1	0.01126	0.166
N-Pentane	0.4500	0.4395	17.7	0.01095	0.160
Hexanes	0.4810	0.4697	22.4	0.01398	0.194
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:	102.3980	100.0000	1232.4	0.70667	18.972

Results Summary

Result	Dry	Sat.
Total Normalized Mole%	100.0000	100.0000
Pressure Base (psia)	14.730	
Flowing Temperature (Deg. F)	35.0	
Flowing Pressure (psia)	10.0	
Gross Heating Value (BTU / Real cu.ft.)	1236.6	1215.6
Relative Density (G), Real	0.7088	0.7076
Compressibility (Z) Factor	0.9966	0.9962
Total GPM	18.972	18.749

Natural Gas Analysis Report SAN JUAN DIVISION

Sample Information

Sample Information	
Sample Name	BLANCETT COM 1A CASING
TECH	Tim Doering
GC Serial	GC1008B621
Operator	XTO
Report Date	2017-04-05 09:12:25

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	0.0740	0.0718	0.0	0.00069	0.008
Oxygen	0.0020	0.0019	0.0	0.00002	0.000
Methane	96.9600	94.1069	952.7	0.52126	15.986
Carbon Dioxide	2.3710	2.3012	0.0	0.03497	0.394
Ethane	2.7020	2.6225	46.5	0.02723	0.703
Propane	0.5910	0.5736	14.5	0.00873	0.158
I-Butane	0.1530	0.1485	4.8	0.00298	0.049
N-Butane	0.0870	0.0844	2.8	0.00169	0.027
I-Pentane	0.0430	0.0417	1.7	0.00104	0.015
N-Pentane	0.0190	0.0184	0.7	0.00046	0.007
Hexanes	0.0300	0.0291	1.4	0.00087	0.012
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:	103.0320	100.0000	1025.1	0.59994	17.358

Results Summary

Result	Dry	Sat.
Total Normalized Mole%	100.0000	100.0000
Pressure Base (psia)	14.730	
Flowing Temperature (Deg. F)	35.0	
Flowing Pressure (psia)	90.0	
Gross Heating Value (BTU / Real cu.ft.)	1027.4	1009.8
Relative Density (G), Real	0.6010	0.6016
Compressibility (Z) Factor	0.9978	0.9974
Total GPM	17.358	17.161