

Gas Quality Reports

LS115 - Glavin to Kansas City

11/25/2019 - 2/25/2020

Gas Day	Gross Heating Value (HHV) (Btu/scf)	Net Heating Value (LHV) (Btu/scf)	Specific Gravity	Wobbe Index	Hydrocarbon Dewpoint (HCDP) (deg F)	N2 (mol%)	CO2 (mol%)	Methane (mol%)	Ethane (mol%)	Propane (mol%)	Isobutane (mol%)	N-Butane (mol%)	Isopentane (mol%)	N-Pentane (mol%)	C6 Plus (mol%)
11/25/2019	1,031.3	1,013.3	0.594	1,338.08	-146.89	1.887	0.526	92.264	5.296	0	0.006	0.010	0.003	0.002	0.007
11/26/2019	1,030.4	1,012.5	0.593	1,337.62	-147.58	1.862	0.541	92.398	5.171	0	0.006	0.009	0.003	0.002	0.007
11/27/2019	1,033.1	1,015.1	0.595	1,338.72	-144.92	1.933	0.518	92.006	5.485	0	0.015	0.026	0.005	0.004	0.007
11/28/2019	1,034.0	1,016.0	0.595	1,340.76	-145.23	1.841	0.495	92.114	5.512	0	0.010	0.015	0.003	0.003	0.007
11/29/2019	1,033.0	1,015.0	0.594	1,339.99	-145.82	1.862	0.492	92.198	5.409	0	0.010	0.016	0.003	0.003	0.007
11/30/2019	1,030.6	1,012.6	0.593	1,338.01	-147.45	1.896	0.502	92.404	5.163	0	0.009	0.014	0.003	0.003	0.007
12/01/2019	1,032.7	1,014.8	0.594	1,340.23	-146.51	1.823	0.498	92.267	5.395	0	0.005	0.004	0.002	0.002	0.006
12/02/2019	1,033.7	1,015.7	0.594	1,341.56	-146.08	1.770	0.490	92.293	5.423	0	0.007	0.008	0.002	0.002	0.006
12/03/2019	1,034.8	1,016.8	0.594	1,342.12	-145.13	1.783	0.485	92.139	5.565	0	0.006	0.011	0.002	0.002	0.006
12/04/2019	1,032.7	1,014.8	0.594	1,339.77	-146.09	1.873	0.489	92.195	5.412	0	0.007	0.013	0.002	0.002	0.006
12/05/2019	1,035.1	1,017.1	0.595	1,341.53	-142.52	1.856	0.478	92.320	4.970	0.323	0.012	0.025	0.005	0.005	0.007
12/06/2019	1,031.3	1,013.3	0.593	1,339.61	-146.20	1.815	0.488	92.790	4.607	0.264	0.005	0.016	0.003	0.003	0.007
12/07/2019	1,030.4	1,012.4	0.592	1,339.51	-147.50	1.794	0.479	92.917	4.568	0.218	0.003	0.011	0.002	0.002	0.007
12/08/2019	1,033.8	1,015.8	0.596	1,339.24	-142.83	2.031	0.449	92.124	5.032	0.322	0.009	0.020	0.004	0.003	0.007
12/09/2019	1,034.6	1,016.6	0.596	1,340.65	-142.80	1.922	0.466	92.246	4.986	0.340	0.009	0.018	0.003	0.003	0.006
12/10/2019	1,031.1	1,013.2	0.593	1,339.04	-146.10	1.873	0.477	92.719	4.620	0.277	0.007	0.015	0.003	0.003	0.007
12/11/2019	1,028.6	1,010.7	0.591	1,337.92	-147.98	1.894	0.445	93.066	4.288	0.268	0.008	0.016	0.004	0.004	0.007
12/12/2019	1,030.7	1,012.8	0.593	1,338.11	-145.83	1.900	0.496	92.703	4.563	0.295	0.009	0.019	0.004	0.003	0.008
12/13/2019	1,029.7	1,011.7	0.592	1,338.73	-147.45	1.852	0.461	92.978	4.413	0.261	0.006	0.016	0.003	0.003	0.007
12/14/2019	1,034.0	1,016.0	0.596	1,339.61	-142.44	1.939	0.493	92.308	4.820	0.379	0.016	0.028	0.005	0.004	0.008
12/15/2019	1,029.0	1,011.1	0.593	1,336.17	-146.84	1.973	0.502	92.704	4.513	0.271	0.009	0.016	0.004	0.003	0.008
12/16/2019	1,028.4	1,010.5	0.591	1,337.43	-148.35	1.886	0.469	93.012	4.374	0.227	0.005	0.013	0.003	0.003	0.008
12/17/2019	1,030.2	1,012.3	0.591	1,340.19	-147.84	1.784	0.444	93.036	4.499	0.211	0.003	0.010	0.003	0.003	0.008
12/18/2019	1,032.9	1,015.0	0.592	1,342.39	-146.13	1.724	0.449	92.806	4.783	0.215	0.002	0.008	0.003	0.002	0.008
12/19/2019	1,031.9	1,014.0	0.592	1,341.66	-146.60	1.740	0.445	92.957	4.584	0.241	0.006	0.013	0.003	0.003	0.007
12/20/2019	1,031.3	1,013.3	0.591	1,341.82	-147.53	1.689	0.451	93.102	4.525	0.208	0.003	0.007	0.003	0.003	0.008
12/21/2019	1,030.3	1,012.4	0.590	1,340.89	-148.15	1.706	0.460	93.157	4.455	0.197	0.004	0.008	0.003	0.003	0.008
12/22/2019	1,031.0	1,013.0	0.592	1,340.06	-146.61	1.781	0.477	92.939	4.514	0.249	0.008	0.015	0.004	0.004	0.009
12/23/2019	1,027.6	1,009.7	0.590	1,337.45	-149.25	1.830	0.481	93.185	4.274	0.202	0.002	0.012	0.003	0.003	0.009
12/24/2019	1,036.6	1,018.6	0.596	1,342.60	-141.33	1.896	0.440	92.143	5.115	0.355	0.010	0.023	0.004	0.004	0.008
12/25/2019	1,054.6	1,036.3	0.609	1,351.56	-66.42	2.106	0.381	89.879	6.835	0.703	0.029	0.048	0.007	0.006	0.006
12/26/2019	1,040.8	1,022.7	0.600	1,344.01	-137.61	1.989	0.435	91.516	5.546	0.453	0.017	0.028	0.005	0.004	0.007
12/27/2019	1,028.1	1,010.3	0.591	1,337.82	-148.61	1.823	0.482	93.177	4.249	0.232	0.006	0.014	0.004	0.004	0.009
12/28/2019	1,029.4	1,011.5	0.592	1,338.35	-147.39	1.880	0.455	92.968	4.404	0.258	0.004	0.016	0.004	0.003	0.009
12/29/2019	1,045.5	1,027.3	0.602	1,347.45	-73.64	1.975	0.402	91.132	5.878	0.533	0.021	0.039	0.007	0.006	0.007
12/30/2019	1,028.1	1,010.3	0.591	1,337.83	-148.64	1.823	0.481	93.183	4.239	0.237	0.006	0.015	0.004	0.004	0.009
12/31/2019	1,029.4	1,011.5	0.592	1,338.06	-147.08	1.853	0.490	92.980	4.354	0.276	0.010	0.019	0.005	0.004	0.009
01/01/2020	1,029.2	1,011.3	0.591	1,339.10	-147.80	1.776	0.477	93.197	4.247	0.256	0.008	0.019	0.005	0.005	0.010
01/02/2020	1,025.9	1,008.1	0.589	1,336.35	-150.06	1.847	0.476	93.456	3.921	0.257	0.007	0.018	0.004	0.004	0.009
01/03/2020	1,027.5	1,009.6	0.590	1,337.55	-148.86	1.833	0.468	93.338	4.036	0.278	0.010	0.020	0.005	0.004	0.009
01/04/2020	1,026.2	1,008.4	0.590	1,336.46	-149.85	1.867	0.465	93.388	3.993	0.246	0.008	0.017	0.004	0.004	0.009
01/05/2020	1,030.1	1,012.2	0.592	1,338.54	-146.09	1.906	0.449	92.945	4.309	0.333	0.014	0.024	0.005	0.005	0.010
01/06/2020	1,027.4	1,009.5	0.591	1,336.93	-148.59	1.869	0.475	93.267	4.050	0.289	0.010	0.022	0.005	0.004	0.009

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Gas Day	Gross Heating Value (HHV) (Btu/scf)	Net Heating Value (LHV) (Btu/scf)	Specific Gravity	Wobbe Index	Hydrocarbon Dewpoint (HCDP) (deg F)	N2 (mol%)	CO2 (mol%)	Methane (mol%)	Ethane (mol%)	Propane (mol%)	Isobutane (mol%)	N-Butane (mol%)	Isopentane (mol%)	N-Pentane (mol%)	C6 Plus (mol%)
01/07/2020	1,023.7	1,005.9	0.588	1,335.30	-152.10	1.851	0.458	93.761	3.651	0.235	0.008	0.018	0.004	0.004	0.009
01/08/2020	1,023.2	1,005.4	0.587	1,335.61	-152.95	1.820	0.446	93.912	3.559	0.225	0.007	0.016	0.004	0.004	0.009
02/18/2020	1,028.4	1,010.5	0.591	1,337.43	-147.65	1.967	0.416	93.029	4.256	0.285	0.010	0.020	0.004	0.004	0.009
02/19/2020	1,028.0	1,010.2	0.593	1,335.16	-146.61	2.055	0.471	92.817	4.272	0.322	0.014	0.028	0.006	0.006	0.009
02/20/2020	1,027.5	1,009.6	0.592	1,335.41	-147.53	2.003	0.474	92.960	4.217	0.288	0.013	0.024	0.005	0.005	0.010
02/21/2020	1,031.4	1,013.5	0.595	1,337.05	-77.04	2.096	0.448	92.470	4.492	0.412	0.021	0.037	0.007	0.007	0.011
02/22/2020	1,028.7	1,010.8	0.594	1,334.82	-145.18	2.110	0.475	92.675	4.291	0.371	0.017	0.035	0.007	0.007	0.011
02/23/2020	1,027.3	1,009.4	0.592	1,334.79	-147.19	2.054	0.468	92.882	4.266	0.272	0.009	0.024	0.006	0.006	0.013

NOTES:**Wobbe Index:** Interchangeability constant calculated using the Gross (or Higher) Heating Value (HHV) divided by the square root of the Specific Gravity**Hydrocarbon Dewpoint (HCDP):** Theoretically determined value using the Redlich-Kwong equation of state (EOS)

Selection: Business Unit ID = 70; Analysis_Key = 52871