

Gas Quality Reports

LS120 - Hesston to Wichita

5/13/2020 - 8/13/2020

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%)
05/13/2020	1,050.0	1,031.7	0.600	1,355.59	-133.50	1.712	0.268	91.475	5.924	0.539	0.026	0.038	0.007	0.005	0.007
05/14/2020	1,054.9	1,036.6	0.608	1,353.27	-67.97	1.901	0.429	90.230	6.618	0.725	0.031	0.050	0.007	0.005	0.005
05/15/2020	1,054.5	1,036.1	0.607	1,353.86	-71.08	1.758	0.476	90.454	6.534	0.693	0.028	0.043	0.006	0.004	0.004
05/16/2020	1,056.3	1,037.9	0.607	1,356.21	-72.10	1.691	0.447	90.420	6.669	0.695	0.026	0.039	0.005	0.004	0.004
05/17/2020	1,051.8	1,033.5	0.604	1,353.43	-131.24	1.727	0.436	90.865	6.280	0.617	0.024	0.037	0.005	0.004	0.004
05/18/2020	1,055.7	1,037.3	0.606	1,356.35	-129.27	1.658	0.443	90.489	6.720	0.625	0.023	0.032	0.004	0.003	0.003
05/19/2020	1,051.1	1,032.8	0.604	1,352.03	-131.66	1.951	0.344	90.544	6.542	0.574	0.017	0.021	0.003	0.002	0.003
05/20/2020	1,050.2	1,032.0	0.605	1,350.57	-131.88	2.030	0.346	90.448	6.573	0.560	0.016	0.020	0.003	0.002	0.003
05/21/2020	1,049.0	1,030.7	0.606	1,348.03	-131.35	2.156	0.364	90.402	6.380	0.625	0.024	0.037	0.005	0.003	0.003
05/22/2020	1,048.4	1,030.1	0.599	1,354.50	-134.85	1.804	0.218	91.529	5.850	0.543	0.019	0.025	0.004	0.003	0.005
05/23/2020	1,047.9	1,029.6	0.598	1,354.62	-135.42	1.810	0.192	91.605	5.831	0.507	0.018	0.024	0.004	0.003	0.005
05/24/2020	1,047.9	1,029.6	0.598	1,354.96	-135.86	1.655	0.275	91.737	5.805	0.475	0.018	0.023	0.004	0.003	0.005
05/25/2020	1,053.6	1,035.2	0.604	1,356.20	-72.44	1.759	0.318	90.809	6.460	0.575	0.024	0.036	0.007	0.006	0.006
05/26/2020	1,052.0	1,033.7	0.602	1,355.38	-132.14	1.794	0.291	90.892	6.437	0.533	0.017	0.024	0.004	0.003	0.004
05/27/2020	1,049.7	1,031.5	0.602	1,353.03	-133.41	1.889	0.287	90.911	6.383	0.487	0.015	0.020	0.003	0.002	0.003
05/28/2020	1,048.1	1,029.9	0.599	1,353.69	-135.13	1.831	0.238	91.368	6.042	0.475	0.016	0.020	0.004	0.002	0.004
05/29/2020	1,046.2	1,028.0	0.598	1,352.87	-136.42	1.880	0.192	91.582	5.846	0.455	0.015	0.019	0.004	0.002	0.004
05/30/2020	1,049.8	1,031.6	0.600	1,355.39	-133.96	1.815	0.209	91.314	6.082	0.522	0.019	0.026	0.004	0.003	0.005
05/31/2020	1,050.1	1,031.8	0.600	1,355.78	-133.63	1.800	0.205	91.355	6.029	0.551	0.020	0.026	0.005	0.003	0.005
06/01/2020	1,049.2	1,031.0	0.599	1,356.11	-134.25	1.769	0.181	91.641	5.789	0.541	0.024	0.036	0.007	0.006	0.007
06/02/2020	1,051.6	1,033.3	0.602	1,355.32	-131.92	1.980	0.160	90.872	6.360	0.561	0.020	0.031	0.005	0.004	0.005
06/03/2020	1,042.7	1,024.6	0.591	1,356.79	-140.51	1.510	0.111	93.182	4.658	0.455	0.026	0.036	0.008	0.005	0.009
06/04/2020	1,046.9	1,028.7	0.595	1,357.34	-70.06	1.630	0.132	92.398	5.223	0.523	0.029	0.040	0.009	0.006	0.011
06/05/2020	1,042.5	1,024.3	0.595	1,351.63	-138.62	1.778	0.207	92.362	5.126	0.440	0.027	0.036	0.009	0.006	0.010
06/06/2020	1,037.3	1,019.3	0.594	1,346.06	-141.28	1.962	0.229	92.514	4.799	0.416	0.027	0.033	0.007	0.005	0.008
06/07/2020	1,033.9	1,015.9	0.591	1,344.60	-144.42	1.919	0.228	93.021	4.377	0.381	0.024	0.031	0.007	0.005	0.008
06/08/2020	1,032.4	1,014.5	0.591	1,342.68	-145.25	2.012	0.227	92.953	4.375	0.374	0.020	0.025	0.005	0.003	0.006
06/09/2020	1,032.5	1,014.6	0.591	1,342.69	-145.27	2.013	0.229	92.911	4.424	0.366	0.019	0.024	0.005	0.003	0.006
06/10/2020	1,029.9	1,012.0	0.591	1,339.83	-146.71	2.184	0.189	92.906	4.334	0.336	0.017	0.021	0.004	0.003	0.005
06/11/2020	1,029.3	1,011.4	0.597	1,331.81	-143.26	2.789	0.217	91.557	4.977	0.419	0.015	0.022	0.002	0.001	0.001
06/12/2020	1,034.8	1,016.8	0.589	1,348.84	-145.23	1.585	0.247	93.684	3.975	0.433	0.025	0.031	0.007	0.005	0.009
06/13/2020	1,039.4	1,021.3	0.597	1,345.61	-139.59	2.059	0.255	91.924	5.252	0.457	0.018	0.024	0.004	0.002	0.004
06/14/2020	1,040.5	1,022.4	0.599	1,344.87	-138.48	1.980	0.384	91.664	5.466	0.452	0.018	0.026	0.004	0.003	0.004
06/15/2020	1,040.4	1,022.3	0.597	1,346.18	-138.82	1.912	0.351	91.969	5.224	0.478	0.021	0.031	0.005	0.004	0.005
06/16/2020	1,042.7	1,024.6	0.598	1,348.49	-137.37	1.761	0.399	91.957	5.307	0.494	0.024	0.038	0.007	0.006	0.007
06/17/2020	1,041.7	1,023.6	0.595	1,350.79	-139.23	1.575	0.363	92.605	4.878	0.497	0.025	0.037	0.007	0.005	0.007
06/18/2020	1,044.4	1,026.2	0.597	1,351.53	-70.80	1.722	0.308	92.138	5.196	0.530	0.030	0.050	0.010	0.008	0.009
06/19/2020	1,025.0	1,007.1	0.610	1,312.45	-23.77	4.371	0.121	89.726	4.663	0.812	0.066	0.139	0.030	0.032	0.040
06/20/2020	1,037.8	1,019.8	0.594	1,346.94	-60.19	1.957	0.198	92.818	4.320	0.570	0.038	0.061	0.012	0.011	0.015
06/21/2020	1,035.5	1,017.5	0.593	1,345.04	-80.23	2.038	0.175	92.838	4.336	0.513	0.028	0.047	0.009	0.008	0.009
06/22/2020	1,036.4	1,018.4	0.592	1,346.75	-82.37	1.911	0.194	93.011	4.221	0.564	0.030	0.046	0.008	0.006	0.008
06/23/2020	1,033.5	1,015.6	0.590	1,345.72	-144.85	1.871	0.188	93.339	4.077	0.443	0.025	0.036	0.007	0.005	0.008
06/24/2020	1,028.8	1,010.9	0.589	1,340.41	-147.54	2.146	0.148	93.302	3.978	0.357	0.021	0.030	0.006	0.005	0.007

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06/25/2020	1,040.0	1,021.9	0.595	1,348.18	-73.54	1.817	0.292	92.578	4.605	0.605	0.032	0.048	0.008	0.006	0.008
06/26/2020	1,038.4	1,020.3	0.591	1,350.22	-78.49	1.750	0.174	93.208	4.173	0.598	0.031	0.044	0.008	0.006	0.009
06/27/2020	1,037.4	1,019.4	0.585	1,356.27	-145.15	1.302	0.112	94.446	3.510	0.542	0.028	0.036	0.008	0.005	0.010
06/28/2020	1,031.9	1,013.9	0.589	1,344.13	-145.38	2.064	0.095	93.361	3.901	0.501	0.024	0.035	0.006	0.004	0.007
06/29/2020	1,026.8	1,008.9	0.591	1,335.58	-146.95	2.554	0.079	92.837	4.018	0.453	0.019	0.028	0.004	0.003	0.005
06/30/2020	1,025.2	1,007.4	0.591	1,333.85	-147.81	2.661	0.055	92.813	3.987	0.430	0.018	0.026	0.004	0.003	0.004
07/01/2020	1,033.1	1,015.1	0.589	1,346.17	-145.28	1.956	0.093	93.456	3.919	0.505	0.023	0.033	0.005	0.004	0.006
07/02/2020	1,041.9	1,023.8	0.599	1,346.50	-136.46	2.115	0.247	91.782	5.078	0.693	0.029	0.043	0.005	0.003	0.004
07/03/2020	1,045.7	1,027.5	0.605	1,344.38	-132.17	2.324	0.351	90.621	5.857	0.764	0.030	0.045	0.004	0.003	0.002
07/04/2020	1,034.5	1,016.5	0.593	1,343.81	-142.61	2.155	0.135	92.748	4.348	0.541	0.025	0.036	0.005	0.003	0.004
07/05/2020	1,033.2	1,015.3	0.597	1,337.43	-141.47	2.547	0.190	91.770	4.962	0.472	0.020	0.030	0.004	0.003	0.003
07/06/2020	1,033.3	1,015.3	0.595	1,339.33	-142.03	2.380	0.196	92.176	4.691	0.488	0.022	0.034	0.005	0.004	0.004
07/07/2020	1,035.9	1,017.9	0.594	1,344.21	-141.62	2.086	0.203	92.553	4.558	0.532	0.023	0.033	0.005	0.004	0.005
07/08/2020	1,028.6	1,010.7	0.591	1,338.42	-146.99	2.278	0.164	92.982	4.109	0.414	0.017	0.026	0.004	0.003	0.003
07/09/2020	1,030.1	1,012.1	0.591	1,339.78	-146.13	2.180	0.199	92.966	4.173	0.426	0.018	0.027	0.004	0.003	0.004
07/10/2020	1,035.5	1,017.5	0.594	1,344.02	-142.23	2.030	0.238	92.595	4.579	0.496	0.021	0.028	0.004	0.003	0.005
07/11/2020	1,027.9	1,010.0	0.590	1,338.37	-147.30	2.356	0.091	93.112	3.948	0.435	0.019	0.027	0.005	0.003	0.005
07/12/2020	1,028.3	1,010.4	0.591	1,337.66	-146.48	2.385	0.126	92.931	4.043	0.455	0.019	0.029	0.005	0.003	0.005
07/13/2020	1,032.1	1,014.1	0.590	1,343.19	-144.89	2.057	0.158	93.218	3.972	0.524	0.023	0.034	0.006	0.004	0.006
07/14/2020	1,028.1	1,010.2	0.592	1,336.58	-146.01	2.432	0.147	92.836	4.029	0.492	0.020	0.030	0.005	0.003	0.005
07/15/2020	1,026.4	1,008.6	0.593	1,332.97	-145.70	2.666	0.137	92.543	4.104	0.483	0.020	0.030	0.004	0.003	0.009
07/16/2020	1,041.8	1,023.7	0.597	1,348.14	-76.17	1.940	0.270	92.079	5.018	0.605	0.027	0.042	0.007	0.005	0.007
07/17/2020	1,040.5	1,022.4	0.599	1,344.36	-136.87	2.181	0.278	91.710	5.080	0.670	0.026	0.040	0.006	0.004	0.005
07/18/2020	1,035.2	1,017.2	0.599	1,337.34	-139.34	2.538	0.262	91.463	5.115	0.557	0.020	0.033	0.004	0.004	0.003
07/19/2020	1,036.2	1,018.1	0.600	1,337.15	-138.15	2.613	0.255	91.207	5.291	0.560	0.022	0.038	0.005	0.005	0.004
07/20/2020	1,035.4	1,017.3	0.594	1,343.19	-141.28	2.240	0.140	92.467	4.494	0.587	0.023	0.035	0.005	0.004	0.005
07/21/2020	1,033.1	1,015.2	0.597	1,336.88	-141.11	2.665	0.139	91.670	4.941	0.531	0.019	0.029	0.003	0.002	0.002
07/22/2020	1,038.0	1,019.9	0.594	1,347.16	-140.49	1.973	0.182	92.672	4.495	0.603	0.025	0.033	0.006	0.004	0.006
07/23/2020	1,036.8	1,018.7	0.598	1,340.89	-139.29	2.356	0.237	91.768	4.987	0.590	0.022	0.031	0.004	0.003	0.003
07/24/2020	1,037.8	1,019.7	0.598	1,341.97	-138.28	2.282	0.256	91.901	4.799	0.676	0.029	0.043	0.005	0.004	0.004
07/25/2020	1,041.2	1,023.1	0.598	1,345.93	-137.10	2.060	0.294	91.845	5.074	0.648	0.027	0.039	0.005	0.004	0.005
07/26/2020	1,039.6	1,021.5	0.598	1,343.93	-137.72	2.132	0.306	91.851	4.986	0.648	0.026	0.039	0.005	0.004	0.004
07/27/2020	1,040.3	1,022.2	0.601	1,341.87	-136.08	2.331	0.311	91.327	5.260	0.689	0.027	0.042	0.005	0.003	0.003
07/28/2020	1,041.4	1,023.3	0.600	1,344.73	-136.51	2.103	0.338	91.593	5.269	0.614	0.026	0.041	0.006	0.005	0.005
07/29/2020	1,031.5	1,013.6	0.599	1,332.90	-140.82	2.750	0.252	91.455	4.933	0.546	0.020	0.034	0.004	0.003	0.002
07/30/2020	1,028.8	1,010.9	0.600	1,327.76	-141.60	2.808	0.413	91.272	4.915	0.532	0.020	0.032	0.003	0.002	0.001
07/31/2020	1,029.5	1,011.6	0.598	1,330.94	-141.79	2.731	0.308	91.700	4.582	0.616	0.023	0.033	0.003	0.002	0.002
08/01/2020	1,027.7	1,009.8	0.594	1,333.65	-144.86	2.668	0.140	92.410	4.171	0.542	0.024	0.035	0.004	0.003	0.003
08/02/2020	1,028.7	1,010.8	0.590	1,339.44	-79.47	2.131	0.205	93.521	3.467	0.555	0.040	0.055	0.011	0.006	0.009
08/03/2020	1,044.3	1,026.2	0.605	1,342.93	-132.96	2.751	0.108	90.195	6.265	0.618	0.022	0.032	0.004	0.003	0.003
08/04/2020	1,051.0	1,032.7	0.609	1,346.76	-129.19	2.838	0.053	89.182	7.282	0.600	0.016	0.023	0.002	0.001	0.001
08/05/2020	1,051.4	1,033.1	0.609	1,346.91	-128.91	2.846	0.051	89.146	7.291	0.622	0.016	0.023	0.002	0.001	0.001
08/06/2020	1,056.8	1,038.4	0.609	1,354.74	-66.29	2.345	0.116	89.816	6.742	0.891	0.032	0.044	0.005	0.003	0.004

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08/07/2020	1,050.3	1,032.0	0.602	1,353.94	-69.04	2.116	0.105	91.033	5.969	0.692	0.029	0.038	0.007	0.005	0.008
08/08/2020	1,048.8	1,030.5	0.601	1,352.53	-132.98	2.170	0.099	91.002	6.044	0.620	0.023	0.030	0.005	0.003	0.005
08/09/2020	1,049.6	1,031.3	0.605	1,349.55	-131.31	2.514	0.063	90.137	6.626	0.606	0.019	0.027	0.004	0.002	0.003
08/10/2020	1,048.7	1,030.5	0.603	1,350.18	-131.82	2.415	0.066	90.562	6.226	0.654	0.026	0.037	0.005	0.003	0.004
08/11/2020	1,050.1	1,031.8	0.603	1,351.95	-71.66	2.324	0.072	90.658	6.151	0.711	0.029	0.041	0.006	0.004	0.005

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 = 52781