

Gas Quality Reports

LS130 - Kansas Hugoton at Montezuma
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	1,037.6	1,019.5	0.604	1,334.67	-136.90	3.216	0.047	89.789	6.545	0.398	0.002	0.003	0	0	0
05/14/2020	1,038.0	1,020.0	0.605	1,335.01	-136.60	3.208	0.047	89.767	6.556	0.416	0.003	0.003	0	0	0
05/15/2020	1,038.2	1,020.1	0.604	1,335.44	-136.70	3.179	0.046	89.816	6.544	0.410	0.002	0.003	0	0	0
05/16/2020	1,038.3	1,020.2	0.604	1,335.74	-136.70	3.161	0.046	89.831	6.550	0.406	0.002	0.003	0	0	0
05/17/2020	1,038.1	1,020.0	0.604	1,335.46	-136.81	3.173	0.046	89.834	6.538	0.403	0.002	0.003	0	0	0
05/18/2020	1,035.9	1,017.9	0.605	1,331.89	-137.16	3.374	0.045	89.642	6.535	0.397	0.003	0.004	0	0	0
05/19/2020	1,037.7	1,019.6	0.604	1,334.66	-136.79	3.219	0.049	89.776	6.545	0.406	0.002	0.004	0	0	0
05/20/2020	1,037.8	1,019.8	0.605	1,334.82	-136.71	3.213	0.048	89.772	6.551	0.410	0.002	0.003	0	0	0
05/21/2020	1,035.6	1,017.6	0.603	1,333.26	-138.20	3.229	0.052	89.978	6.363	0.372	0.002	0.003	0	0	0
05/22/2020	1,033.8	1,015.8	0.602	1,332.38	-139.62	3.215	0.052	90.204	6.194	0.331	0.002	0.003	0	0	0
05/23/2020	1,036.8	1,018.7	0.604	1,334.02	-137.36	3.224	0.051	89.866	6.453	0.400	0.002	0.003	0	0	0
05/24/2020	1,038.1	1,020.1	0.605	1,335.19	-136.62	3.193	0.050	89.776	6.566	0.409	0.002	0.003	0	0	0
05/25/2020	1,037.3	1,019.3	0.604	1,334.63	-137.17	3.202	0.050	89.837	6.519	0.387	0.002	0.003	0	0	0
05/26/2020	1,036.2	1,018.2	0.604	1,333.07	-137.62	3.273	0.053	89.790	6.515	0.363	0.002	0.003	0	0	0
05/27/2020	1,036.6	1,018.5	0.604	1,333.72	-137.54	3.236	0.053	89.840	6.492	0.374	0.002	0.003	0	0	0
05/28/2020	1,037.7	1,019.6	0.604	1,334.72	-136.84	3.206	0.054	89.784	6.550	0.401	0.002	0.003	0	0	0
05/29/2020	1,038.4	1,020.3	0.605	1,334.95	-136.26	3.219	0.054	89.692	6.604	0.425	0.002	0.003	0	0	0
05/30/2020	1,038.3	1,020.2	0.605	1,334.45	-136.01	3.259	0.054	89.626	6.609	0.446	0.003	0.004	0	0	0
05/31/2020	1,037.9	1,019.8	0.605	1,333.80	-136.15	3.293	0.053	89.601	6.606	0.440	0.003	0.004	0	0	0
06/01/2020	1,010.6	993.0	0.590	1,315.70	-156.78	3.480	0.046	92.476	3.812	0.180	0.002	0.003	0	0	0
06/02/2020	1,000.1	982.7	0.585	1,307.89	-166.66	3.618	0.043	93.447	2.789	0.097	0.002	0.003	0	0	0
06/03/2020	996.1	978.8	0.585	1,302.57	-168.78	3.867	0.043	93.390	2.597	0.097	0.002	0.004	0	0	0
06/04/2020	998.6	981.2	0.585	1,305.50	-167.16	3.745	0.043	93.349	2.759	0.098	0.002	0.003	0	0	0
06/05/2020	999.3	981.9	0.585	1,306.71	-167.00	3.678	0.043	93.408	2.771	0.095	0.002	0.003	0	0	0
06/06/2020	998.3	980.9	0.585	1,305.54	-167.81	3.722	0.043	93.440	2.701	0.089	0.002	0.003	0	0	0
06/07/2020	999.0	981.6	0.585	1,306.19	-167.20	3.702	0.044	93.398	2.759	0.092	0.002	0.003	0	0	0
06/08/2020	999.3	981.9	0.585	1,306.47	-166.92	3.695	0.044	93.374	2.789	0.094	0.002	0.003	0	0	0
06/09/2020	996.9	979.6	0.584	1,305.09	-169.52	3.694	0.043	93.674	2.502	0.082	0.002	0.003	0	0	0
06/10/2020	997.9	980.5	0.584	1,305.56	-168.40	3.704	0.041	93.536	2.627	0.087	0.002	0.003	0	0	0
06/11/2020	999.5	982.1	0.585	1,306.81	-166.77	3.681	0.042	93.375	2.803	0.093	0.002	0.003	0	0	0
06/12/2020	999.5	982.1	0.585	1,307.14	-167.12	3.650	0.042	93.458	2.754	0.092	0.002	0.003	0	0	0
06/13/2020	999.1	981.7	0.585	1,306.35	-167.07	3.699	0.042	93.392	2.768	0.093	0.002	0.003	0	0	0
06/14/2020	998.8	981.5	0.585	1,306.12	-167.30	3.705	0.042	93.412	2.744	0.092	0.002	0.003	0	0	0
06/15/2020	998.6	981.2	0.585	1,306.02	-167.65	3.700	0.042	93.458	2.705	0.090	0.002	0.003	0	0	0
06/16/2020	999.5	982.1	0.585	1,307.18	-167.03	3.654	0.040	93.442	2.769	0.091	0.002	0.003	0	0	0
06/17/2020	983.9	966.8	0.625	1,244.61	-9.90	8.383	0.037	86.447	3.743	0.918	0.092	0.224	0.048	0.054	0.054
06/18/2020	987.9	970.7	0.590	1,285.73	-69.29	4.890	0.038	92.389	2.415	0.186	0.014	0.034	0.007	0.009	0.018
06/19/2020	992.3	975.0	0.581	1,301.76	-175.57	3.743	0.040	94.164	1.976	0.070	0.002	0.003	0	0	0.001
06/20/2020	993.0	975.7	0.582	1,301.89	-173.51	3.768	0.041	94.007	2.106	0.072	0.002	0.004	0	0	0
06/21/2020	993.3	976.0	0.582	1,302.02	-173.15	3.767	0.044	93.970	2.141	0.072	0.002	0.004	0	0	0
06/22/2020	993.6	976.3	0.582	1,302.04	-172.66	3.782	0.043	93.895	2.202	0.072	0.002	0.004	0	0	0
06/23/2020	993.1	975.9	0.582	1,301.90	-173.29	3.772	0.043	93.976	2.132	0.072	0.002	0.004	0	0	0
06/24/2020	993.3	976.0	0.582	1,301.48	-172.64	3.818	0.042	93.852	2.210	0.073	0.002	0.004	0	0	0

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06/25/2020	993.3	976.0	0.583	1,301.17	-172.40	3.844	0.041	93.793	2.243	0.073	0.002	0.004	0	0	0
06/26/2020	993.1	975.8	0.583	1,301.11	-172.70	3.839	0.041	93.830	2.212	0.072	0.002	0.004	0	0	0
06/27/2020	993.5	976.2	0.583	1,301.50	-172.36	3.827	0.040	93.812	2.243	0.073	0.002	0.004	0	0	0
06/28/2020	994.0	976.7	0.583	1,302.05	-171.95	3.805	0.041	93.794	2.281	0.073	0.002	0.004	0	0	0
06/29/2020	996.1	978.7	0.583	1,304.39	-170.39	3.712	0.041	93.743	2.421	0.076	0.002	0.004	0	0	0
06/30/2020	996.1	978.8	0.583	1,304.69	-170.49	3.691	0.041	93.784	2.402	0.076	0.002	0.004	0	0	0
07/01/2020	995.0	977.6	0.582	1,304.20	-172.02	3.674	0.040	93.976	2.229	0.074	0.002	0.004	0	0	0
07/02/2020	993.7	976.4	0.582	1,302.27	-172.56	3.774	0.040	93.902	2.205	0.073	0.002	0.004	0	0	0
07/03/2020	994.1	976.9	0.582	1,302.65	-172.17	3.763	0.040	93.872	2.246	0.073	0.002	0.004	0	0	0
07/04/2020	994.3	977.0	0.582	1,303.09	-172.20	3.736	0.040	93.908	2.236	0.073	0.002	0.004	0	0	0
07/05/2020	995.1	977.8	0.582	1,304.67	-172.21	3.641	0.041	94.031	2.210	0.072	0.002	0.004	0	0	0
07/06/2020	995.3	978.0	0.582	1,304.68	-171.83	3.652	0.041	93.976	2.252	0.074	0.002	0.004	0	0	0
07/07/2020	995.1	977.7	0.582	1,304.06	-171.78	3.690	0.041	93.922	2.268	0.074	0.002	0.004	0	0	0
07/08/2020	995.5	978.2	0.583	1,304.18	-171.17	3.700	0.042	93.843	2.335	0.075	0.002	0.004	0	0	0
07/09/2020	994.9	977.6	0.582	1,303.97	-171.92	3.691	0.041	93.936	2.253	0.074	0.002	0.004	0	0	0
07/10/2020	994.9	977.6	0.582	1,303.95	-172.00	3.690	0.041	93.946	2.245	0.073	0.002	0.004	0	0	0
07/11/2020	995.4	978.1	0.582	1,304.24	-171.37	3.691	0.041	93.877	2.310	0.075	0.002	0.004	0	0	0
07/12/2020	994.9	977.6	0.582	1,303.91	-171.87	3.696	0.041	93.925	2.259	0.073	0.002	0.004	0	0	0
07/13/2020	995.7	978.3	0.583	1,304.55	-171.18	3.677	0.042	93.872	2.328	0.075	0.002	0.004	0	0	0
07/14/2020	995.7	978.4	0.583	1,304.57	-171.09	3.675	0.045	93.863	2.335	0.077	0.002	0.004	0	0	0
07/15/2020	994.2	976.9	0.582	1,303.02	-172.37	3.731	0.043	93.929	2.217	0.074	0.002	0.004	0	0	0
07/16/2020	995.6	978.3	0.582	1,305.01	-171.68	3.635	0.042	93.981	2.263	0.075	0.002	0.004	0	0	0
07/17/2020	996.8	979.5	0.582	1,306.33	-170.70	3.586	0.042	93.939	2.351	0.077	0.002	0.004	0	0	0
07/18/2020	995.9	978.6	0.582	1,304.88	-171.07	3.660	0.042	93.885	2.331	0.076	0.002	0.004	0	0	0
07/19/2020	995.5	978.2	0.582	1,305.05	-171.90	3.626	0.042	94.017	2.236	0.074	0.002	0.004	0	0	0
07/20/2020	995.9	978.6	0.582	1,305.18	-171.23	3.637	0.043	93.930	2.309	0.076	0.002	0.004	0	0	0
07/21/2020	995.3	978.0	0.582	1,304.35	-171.63	3.676	0.041	93.926	2.276	0.076	0.002	0.004	0	0	0
07/22/2020	995.2	977.9	0.583	1,303.55	-171.06	3.740	0.042	93.785	2.348	0.079	0.002	0.004	0	0	0
07/23/2020	996.1	978.7	0.583	1,304.99	-170.84	3.661	0.042	93.859	2.355	0.078	0.002	0.004	0	0	0
07/24/2020	997.2	979.8	0.582	1,306.70	-170.43	3.572	0.042	93.923	2.382	0.076	0.002	0.004	0	0	0
07/25/2020	996.3	979.0	0.582	1,305.63	-170.97	3.619	0.042	93.920	2.339	0.074	0.002	0.004	0	0	0
07/26/2020	994.1	976.8	0.583	1,301.59	-171.39	3.847	0.042	93.687	2.338	0.079	0.002	0.004	0	0	0
07/27/2020	995.8	978.5	0.582	1,304.97	-171.24	3.652	0.042	93.905	2.324	0.073	0.002	0.003	0	0	0
07/28/2020	997.0	979.6	0.583	1,305.97	-170.15	3.623	0.043	93.821	2.432	0.076	0.002	0.003	0	0	0
07/29/2020	996.9	979.6	0.583	1,305.61	-169.97	3.651	0.043	93.764	2.463	0.075	0.002	0.003	0	0	0
07/30/2020	996.2	978.9	0.582	1,305.35	-170.88	3.640	0.042	93.880	2.361	0.074	0.002	0.003	0	0	0
07/31/2020	995.8	978.5	0.582	1,304.85	-171.26	3.658	0.042	93.896	2.327	0.072	0.002	0.003	0	0	0
08/01/2020	1,028.2	1,010.3	0.601	1,326.30	-142.38	3.451	0.052	90.347	5.859	0.286	0.002	0.003	0	0	0
08/02/2020	1,035.6	1,017.6	0.605	1,331.70	-137.74	3.358	0.054	89.625	6.639	0.319	0.002	0.003	0	0	0
08/03/2020	1,035.6	1,017.6	0.605	1,331.79	-137.73	3.355	0.054	89.624	6.645	0.317	0.002	0.003	0	0	0
08/04/2020	1,036.5	1,018.4	0.605	1,332.69	-137.30	3.314	0.057	89.627	6.657	0.340	0.002	0.003	0	0	0
08/05/2020	1,037.2	1,019.1	0.605	1,333.69	-137.07	3.269	0.054	89.644	6.688	0.340	0.002	0.003	0	0	0
08/06/2020	1,037.8	1,019.7	0.605	1,333.96	-136.60	3.276	0.054	89.561	6.750	0.353	0.002	0.003	0	0	0

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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%)
08/07/2020	1,037.4	1,019.4	0.605	1,333.56	-136.73	3.294	0.053	89.568	6.726	0.354	0.002	0.003	0	0	0
08/08/2020	1,037.0	1,018.9	0.605	1,333.13	-136.96	3.306	0.054	89.597	6.682	0.355	0.002	0.003	0	0	0
08/09/2020	1,038.6	1,020.6	0.606	1,334.01	-135.74	3.314	0.054	89.400	6.837	0.389	0.002	0.003	0	0	0
08/10/2020	1,038.3	1,020.2	0.606	1,334.16	-136.21	3.284	0.054	89.492	6.800	0.365	0.002	0.003	0	0	0
08/11/2020	1,036.9	1,018.9	0.605	1,332.71	-136.85	3.339	0.054	89.526	6.725	0.351	0.002	0.003	0	0	0

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 = 63121