

LS490 - Rawlins Hesston at Hesston
7/12/2017 - 10/12/2017

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%)
07/12/2017	1,035.1	1,017.1	.596	1,341.27	-82.13	2.435	.109	92.059	4.829	.487	.026	.035	.007	.005	.009
07/13/2017	1,060.6	1,042.1	.601	1,367.61	-56.61	1.293	.216	91.447	6.222	.698	.042	.050	.011	.007	.014
07/14/2017	1,040.2	1,022.1	.596	1,347.53	-72.67	2.097	.151	92.127	5.017	.517	.030	.037	.008	.005	.010
07/15/2017	1,006.1	988.6	.587	1,312.69	-159.72	3.508	.045	93.133	3.044	.228	.014	.020	.003	.002	.002
07/16/2017	1,031.6	1,013.6	.592	1,340.60	-144.45	2.206	.185	92.790	4.333	.406	.025	.033	.007	.005	.010
07/17/2017	1,041.6	1,023.5	.594	1,351.48	-66.91	1.635	.281	92.741	4.739	.502	.032	.041	.010	.006	.013
07/18/2017	1,053.1	1,034.8	.598	1,361.96	-53.31	1.254	.318	92.252	5.397	.651	.041	.050	.012	.008	.018
07/19/2017	1,037.7	1,019.7	.595	1,345.60	-61.83	1.869	.327	92.661	4.480	.552	.034	.044	.010	.007	.015
07/20/2017	1,051.4	1,033.1	.599	1,359.06	-53.09	1.394	.332	92.191	5.225	.727	.041	.054	.012	.008	.017
07/21/2017	1,054.6	1,036.3	.600	1,361.88	-55.41	1.416	.264	91.876	5.579	.739	.040	.053	.011	.007	.015
07/22/2017	1,050.4	1,032.1	.597	1,359.98	-59.58	1.433	.223	92.409	5.128	.694	.035	.047	.010	.006	.014
07/23/2017	1,055.4	1,037.1	.596	1,366.83	-58.40	1.142	.199	92.493	5.360	.692	.036	.047	.010	.007	.015
07/24/2017	1,049.9	1,031.6	.593	1,363.18	-62.42	1.224	.172	92.987	4.891	.621	.033	.041	.010	.006	.014
07/25/2017	1,044.8	1,026.6	.594	1,355.25	-71.12	1.669	.153	92.630	4.829	.631	.029	.038	.007	.005	.010
07/26/2017	1,018.1	1,000.3	.589	1,326.49	-152.33	2.890	.079	93.052	3.606	.322	.017	.024	.004	.003	.005
07/27/2017	1,039.2	1,021.1	.593	1,349.40	-73.12	1.916	.135	92.741	4.578	.536	.031	.040	.008	.006	.010
07/28/2017	1,037.7	1,019.6	.594	1,346.77	-78.84	2.054	.141	92.578	4.622	.515	.029	.038	.008	.005	.010
07/29/2017	1,022.8	1,005.0	.590	1,331.69	-149.42	2.663	.094	93.013	3.788	.380	.020	.028	.005	.004	.006
07/30/2017	1,005.9	988.3	.586	1,313.90	-160.91	3.389	.049	93.406	2.911	.207	.012	.018	.003	.002	.003
07/31/2017	1,022.9	1,005.1	.590	1,331.47	-149.19	2.695	.089	92.929	3.844	.382	.019	.028	.005	.003	.006
08/01/2017	1,014.1	996.5	.588	1,322.30	-155.04	3.065	.067	93.155	3.367	.296	.016	.024	.004	.003	.004
08/02/2017	1,004.6	987.1	.586	1,312.46	-161.59	3.458	.042	93.431	2.817	.212	.013	.019	.003	.002	.002
08/03/2017	1,004.3	986.8	.586	1,311.61	-161.32	3.525	.036	93.339	2.846	.209	.014	.022	.004	.003	.003
08/04/2017	1,004.4	986.9	.587	1,311.08	-160.86	3.572	.037	93.213	2.927	.205	.014	.022	.004	.004	.003
08/05/2017	1,003.9	986.5	.587	1,310.80	-161.38	3.572	.037	93.262	2.887	.198	.013	.021	.004	.003	.003
08/06/2017	1,004.5	987.0	.587	1,311.33	-160.92	3.556	.036	93.239	2.917	.206	.013	.022	.004	.003	.003
08/07/2017	1,005.3	987.8	.587	1,312.09	-160.33	3.531	.036	93.202	2.975	.209	.014	.023	.004	.004	.003
08/08/2017	1,007.5	990.0	.588	1,313.97	-158.48	3.486	.035	93.045	3.153	.231	.015	.024	.004	.004	.003
08/09/2017	1,006.7	989.2	.587	1,313.78	-159.39	3.464	.035	93.189	3.043	.220	.015	.024	.004	.004	.003
08/10/2017	1,003.5	986.0	.586	1,311.03	-162.14	3.537	.033	93.409	2.771	.209	.013	.020	.003	.002	.002
08/11/2017	1,001.2	983.8	.585	1,308.76	-164.69	3.610	.036	93.480	2.665	.178	.010	.016	.002	.002	.002
08/12/2017	1,001.8	984.4	.586	1,308.77	-163.27	3.633	.040	93.349	2.763	.183	.011	.016	.002	.002	.002
08/13/2017	1,001.4	983.9	.586	1,308.24	-163.53	3.650	.043	93.360	2.730	.183	.011	.017	.002	.002	.002
08/14/2017	1,000.5	983.1	.586	1,307.32	-164.71	3.692	.040	93.360	2.705	.173	.010	.015	.002	.002	.002
08/15/2017	999.9	982.5	.586	1,306.59	-165.16	3.716	.045	93.361	2.682	.167	.009	.014	.002	.002	.001
08/16/2017	1,000.1	982.7	.586	1,306.78	-164.98	3.710	.044	93.360	2.684	.172	.010	.015	.002	.002	.001
08/17/2017	1,001.0	983.6	.586	1,307.72	-164.29	3.676	.042	93.346	2.720	.184	.011	.016	.002	.002	.001
08/18/2017	1,002.3	984.9	.586	1,309.68	-163.03	3.590	.034	93.416	2.727	.197	.012	.018	.003	.002	.002

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08/19/2017	1,024.0	1,006.2	.594	1,329.17	-70.20	2.662	.271	92.680	3.766	.521	.030	.042	.009	.006	.013
08/20/2017	1,034.1	1,016.1	.597	1,338.28	-54.64	2.173	.413	92.440	4.129	.716	.039	.052	.012	.008	.018
08/21/2017	1,029.8	1,011.9	.597	1,332.60	-60.65	2.689	.250	92.230	3.927	.765	.042	.068	.010	.007	.013
08/22/2017	1,007.6	990.1	.589	1,313.31	-157.61	3.489	.074	92.996	3.095	.291	.017	.026	.004	.003	.004
08/23/2017	1,006.5	988.9	.588	1,312.60	-158.84	3.512	.060	93.105	3.002	.271	.016	.025	.004	.003	.003
08/24/2017	1,037.5	1,019.4	.600	1,339.17	-70.72	2.617	.181	91.410	4.977	.720	.030	.045	.007	.005	.008
08/25/2017	1,009.5	991.9	.588	1,315.96	-157.08	3.363	.071	93.041	3.185	.295	.015	.023	.003	.002	.003
08/26/2017	1,006.5	988.9	.587	1,313.27	-159.56	3.459	.057	93.190	3.002	.252	.013	.020	.003	.002	.002
08/27/2017	1,002.9	985.5	.586	1,310.56	-162.82	3.539	.039	93.441	2.750	.196	.011	.018	.003	.002	.002
08/28/2017	1,002.2	984.8	.585	1,309.94	-163.49	3.556	.038	93.483	2.703	.186	.011	.017	.002	.002	.002
08/29/2017	1,003.4	985.9	.586	1,310.83	-162.23	3.540	.037	93.407	2.765	.211	.013	.020	.003	.002	.002
08/30/2017	1,004.2	986.8	.586	1,311.72	-161.53	3.510	.037	93.384	2.803	.224	.014	.022	.003	.002	.002
08/31/2017	1,005.1	987.6	.586	1,312.65	-160.90	3.475	.035	93.380	2.827	.237	.015	.023	.003	.002	.002
09/01/2017	1,023.4	1,005.6	.594	1,327.65	-145.49	2.968	.135	92.410	3.793	.602	.029	.045	.007	.005	.007
09/02/2017	1,059.6	1,041.2	.609	1,357.76	-39.49	1.491	.595	90.846	5.706	1.180	.056	.079	.015	.010	.022
09/03/2017	1,056.6	1,038.2	.610	1,353.26	-40.75	2.055	.379	90.538	5.566	1.266	.062	.090	.016	.010	.019
09/04/2017	1,026.6	1,008.8	.595	1,331.06	-61.44	2.594	.296	92.650	3.664	.660	.043	.059	.012	.008	.014
09/05/2017	1,017.5	999.8	.591	1,323.24	-149.81	2.997	.169	92.929	3.322	.484	.032	.045	.008	.006	.009
09/06/2017	1,015.0	997.3	.590	1,321.16	-152.05	3.159	.095	92.950	3.306	.405	.027	.041	.007	.005	.006
09/07/2017	1,013.7	996.1	.589	1,320.38	-153.30	3.221	.057	92.986	3.302	.355	.024	.039	.006	.005	.004
09/08/2017	1,010.4	992.8	.589	1,316.96	-156.11	3.354	.051	93.032	3.205	.291	.019	.033	.006	.005	.004
09/09/2017	1,008.3	990.7	.588	1,314.86	-157.77	3.438	.043	93.080	3.123	.257	.017	.029	.005	.004	.003
09/10/2017	1,031.8	1,013.8	.598	1,334.77	-79.57	2.841	.095	91.793	4.488	.687	.030	.049	.007	.005	.006
09/11/2017	1,070.4	1,051.8	.609	1,371.96	-45.48	1.322	.260	90.521	6.590	1.143	.052	.075	.013	.008	.015
09/12/2017	1,059.4	1,041.0	.603	1,363.79	-52.96	1.452	.283	91.389	5.743	1.004	.041	.058	.011	.007	.013
09/13/2017	1,050.8	1,032.5	.604	1,352.12	-56.87	2.196	.165	91.066	5.432	.996	.043	.074	.010	.007	.010
09/14/2017	1,042.0	1,023.9	.597	1,348.49	-68.32	2.050	.185	92.219	4.651	.781	.035	.057	.008	.006	.008
09/15/2017	1,035.9	1,017.9	.600	1,336.94	-73.03	2.830	.114	91.309	4.892	.756	.030	.051	.006	.005	.006
09/16/2017	1,046.1	1,027.9	.605	1,344.51	-62.40	2.652	.140	90.598	5.513	.972	.039	.067	.008	.006	.006
09/17/2017	1,062.5	1,044.0	.603	1,368.29	-55.83	1.302	.231	91.409	5.966	.962	.041	.062	.010	.006	.011
09/18/2017	1,038.5	1,020.5	.592	1,349.43	-72.01	1.811	.181	93.075	4.202	.630	.032	.046	.008	.005	.010
09/19/2017	1,022.5	1,004.7	.590	1,330.94	-149.09	2.572	.186	93.129	3.601	.434	.025	.035	.006	.004	.007
09/20/2017	1,040.4	1,022.3	.592	1,351.72	-71.88	1.684	.197	93.095	4.284	.639	.032	.045	.008	.005	.010
09/21/2017	1,029.0	1,011.1	.592	1,337.83	-145.14	2.392	.132	92.939	3.928	.524	.026	.040	.007	.005	.007
09/22/2017	1,034.1	1,016.1	.591	1,344.63	-142.80	2.012	.171	93.140	3.997	.591	.028	.042	.007	.005	.008
09/23/2017	1,034.1	1,016.1	.591	1,344.63	-142.80	2.012	.171	93.140	3.997	.591	.028	.042	.007	.005	.008
09/24/2017	1,034.1	1,016.1	.591	1,344.63	-142.80	2.012	.171	93.140	3.997	.591	.028	.042	.007	.005	.008
09/25/2017	1,034.1	1,016.1	.591	1,344.63	-142.80	2.012	.171	93.140	3.997	.591	.028	.042	.007	.005	.008

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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%)
09/26/2017	1,034.1	1,016.1	.591	1,344.63	-142.80	2.012	.171	93.140	3.997	.591	.028	.042	.007	.005	.008
09/27/2017	1,056.1	1,037.7	.595	1,369.14	-60.74	1.004	.185	92.911	4.935	.841	.039	.058	.010	.006	.011
09/28/2017	1,055.5	1,037.1	.595	1,368.39	-60.96	1.046	.180	92.863	4.989	.801	.039	.056	.010	.006	.012
09/29/2017	1,051.3	1,033.0	.593	1,364.91	-65.47	1.120	.190	93.126	4.720	.732	.036	.050	.009	.006	.011
09/30/2017	1,052.5	1,034.2	.593	1,366.46	-64.87	1.066	.180	93.105	4.815	.721	.036	.050	.010	.006	.012
10/01/2017	1,070.9	1,052.3	.605	1,377.22	-56.19	1.055	.165	90.913	6.894	.853	.039	.055	.009	.006	.011
10/02/2017	1,077.3	1,058.6	.608	1,381.72	-55.08	.978	.167	90.187	7.751	.805	.037	.049	.009	.006	.011
10/03/2017	1,075.6	1,056.9	.607	1,380.65	-55.54	.985	.170	90.377	7.559	.796	.037	.051	.009	.006	.011
10/04/2017	1,066.7	1,048.1	.603	1,373.95	-56.31	1.096	.186	91.259	6.557	.778	.040	.055	.010	.006	.012
10/05/2017	1,056.6	1,038.2	.597	1,367.11	-57.64	1.162	.206	92.433	5.244	.825	.041	.059	.011	.007	.013
10/06/2017	1,057.7	1,039.3	.599	1,366.91	-54.65	1.143	.261	92.387	5.093	.964	.051	.069	.011	.007	.013
10/07/2017	1,058.3	1,039.9	.598	1,368.46	-56.56	1.083	.236	92.454	5.152	.928	.050	.068	.011	.007	.012
10/08/2017	1,050.4	1,032.1	.595	1,361.33	-62.58	1.438	.146	92.689	4.804	.801	.038	.057	.009	.006	.011
10/09/2017	1,064.3	1,045.7	.602	1,371.44	-48.41	1.171	.197	91.954	5.276	1.192	.062	.115	.013	.009	.012
10/10/2017	1,061.8	1,043.4	.599	1,372.10	-55.91	1.023	.187	92.281	5.398	.965	.045	.072	.011	.007	.011

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: BusinessUnitID = 70; Analysis_Key = 52782;