

Rawlins Hesston 18"
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	1,070.9	1,052.2	.606	1,376.14	-50.62	1.084	.204	90.776	6.964	.845	.041	.053	.011	.007	.015
07/13/2017	1,063.7	1,045.2	.602	1,370.79	-51.46	1.103	.264	91.346	6.506	.656	.039	.049	.011	.007	.018
07/14/2017	1,054.8	1,036.4	.599	1,362.75	-54.20	1.184	.373	92.039	5.647	.637	.038	.046	.011	.007	.018
07/15/2017	1,051.7	1,033.4	.596	1,362.78	-58.57	1.138	.306	92.608	5.271	.566	.034	.043	.010	.006	.016
07/16/2017	1,054.8	1,036.4	.599	1,362.97	-48.27	1.173	.368	92.177	5.454	.684	.045	.055	.013	.009	.021
07/17/2017	1,053.2	1,034.9	.598	1,362.18	-50.81	1.205	.342	92.303	5.373	.650	.039	.049	.012	.008	.020
07/18/2017	1,052.0	1,033.7	.599	1,359.62	-47.10	1.231	.425	92.323	5.148	.727	.044	.058	.014	.009	.022
07/19/2017	1,055.0	1,036.7	.599	1,363.59	-48.58	1.189	.330	92.271	5.307	.757	.044	.059	.013	.008	.020
07/20/2017	1,057.0	1,038.6	.600	1,365.20	-46.80	1.097	.365	92.290	5.200	.894	.047	.065	.013	.008	.020
07/21/2017	1,057.4	1,039.0	.597	1,368.15	-52.07	1.034	.257	92.459	5.357	.767	.038	.051	.011	.007	.018
07/22/2017	1,055.7	1,037.3	.595	1,368.95	-57.69	1.018	.174	92.795	5.211	.688	.035	.046	.010	.007	.016
07/23/2017	1,058.0	1,039.6	.596	1,369.87	-57.67	1.029	.187	92.503	5.410	.758	.036	.046	.009	.006	.015
07/24/2017	1,060.6	1,042.2	.599	1,370.59	-53.50	1.061	.206	92.142	5.640	.824	.041	.054	.010	.007	.016
07/25/2017	1,062.2	1,043.7	.600	1,371.87	-51.72	1.050	.193	92.087	5.632	.903	.043	.059	.011	.007	.016
07/26/2017	1,061.0	1,042.5	.598	1,371.82	-54.44	1.009	.184	92.298	5.532	.843	.044	.057	.011	.007	.015
07/27/2017	1,058.2	1,039.8	.597	1,369.93	-56.30	1.027	.192	92.439	5.519	.701	.041	.049	.011	.007	.016
07/28/2017	1,060.7	1,042.3	.598	1,371.71	-56.11	1.000	.191	92.206	5.740	.744	.037	.050	.010	.006	.015
07/29/2017	1,066.1	1,047.5	.602	1,374.10	-53.48	1.077	.174	91.361	6.535	.733	.038	.049	.011	.007	.015
07/30/2017	1,068.1	1,049.5	.604	1,374.40	-51.02	1.118	.192	90.992	6.825	.751	.038	.050	.011	.007	.017
07/31/2017	1,067.2	1,048.6	.605	1,372.62	-49.91	1.198	.209	90.948	6.707	.810	.040	.053	.011	.007	.017
08/01/2017	1,065.2	1,046.6	.605	1,369.44	-42.68	1.280	.265	91.144	6.177	.968	.053	.069	.014	.009	.021
08/02/2017	1,060.3	1,041.8	.602	1,366.45	-44.71	1.154	.361	91.571	6.046	.721	.044	.057	.014	.009	.023
08/03/2017	1,058.6	1,040.2	.602	1,363.88	-42.66	1.344	.325	91.460	5.986	.725	.048	.062	.015	.009	.025
08/04/2017	1,058.4	1,040.0	.600	1,366.94	-47.86	1.134	.290	91.947	5.824	.669	.041	.052	.013	.008	.022
08/05/2017	1,056.7	1,038.3	.599	1,365.55	-44.87	1.194	.273	92.177	5.465	.743	.045	.058	.014	.009	.024
08/06/2017	1,055.9	1,037.5	.598	1,365.18	-52.58	1.245	.233	92.229	5.397	.761	.042	.057	.012	.007	.017
08/07/2017	1,053.7	1,035.4	.599	1,361.14	-44.00	1.340	.324	92.156	5.254	.764	.049	.065	.015	.009	.024
08/08/2017	1,057.3	1,038.9	.603	1,361.44	-39.03	1.447	.347	91.574	5.541	.913	.053	.071	.016	.010	.026
08/09/2017	1,051.1	1,032.8	.599	1,357.61	-40.23	1.356	.423	92.312	4.928	.807	.050	.069	.016	.011	.027
08/10/2017	1,054.6	1,036.2	.602	1,359.73	-40.11	1.372	.406	91.922	5.242	.888	.051	.067	.016	.010	.026
08/11/2017	1,050.2	1,031.9	.599	1,356.64	-41.03	1.410	.414	92.324	4.860	.820	.052	.068	.016	.010	.026
08/12/2017	1,057.8	1,039.4	.604	1,360.84	-37.27	1.413	.419	91.559	5.385	1.039	.055	.076	.017	.011	.027
08/13/2017	1,053.4	1,035.1	.600	1,359.43	-40.28	1.302	.433	92.156	5.062	.879	.049	.066	.015	.010	.027
08/14/2017	1,045.9	1,027.7	.599	1,351.48	-40.40	1.451	.533	92.589	4.372	.872	.053	.076	.016	.011	.027
08/15/2017	1,048.4	1,030.1	.601	1,351.76	-49.12	1.518	.554	91.951	4.970	.863	.044	.061	.012	.008	.019
08/16/2017	1,051.5	1,033.2	.604	1,352.89	-41.66	1.514	.594	91.585	5.211	.927	.051	.069	.015	.010	.024
08/17/2017	1,061.4	1,043.0	.614	1,355.02	-25.72	1.999	.472	89.941	6.113	1.226	.075	.101	.023	.015	.035
08/18/2017	1,054.7	1,036.4	.606	1,354.31	-35.76	1.505	.620	91.443	5.060	1.168	.062	.086	.018	.011	.026

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08/19/2017	1,068.9	1,050.3	.615	1,363.51	-31.60	1.230	.738	90.447	5.774	1.555	.074	.130	.018	.013	.023
08/20/2017	1,066.4	1,047.8	.612	1,363.46	-32.63	1.199	.682	90.853	5.587	1.410	.091	.119	.022	.015	.023
08/21/2017	1,077.3	1,058.5	.613	1,376.02	-38.33	1.192	.334	89.968	7.031	1.279	.061	.092	.015	.010	.019
08/22/2017	1,076.3	1,057.6	.614	1,374.03	-37.40	1.375	.294	89.782	7.045	1.321	.059	.082	.014	.009	.020
08/23/2017	1,081.4	1,062.6	.616	1,378.39	-38.33	1.311	.254	89.359	7.554	1.346	.055	.083	.013	.008	.018
08/24/2017	1,075.7	1,057.0	.611	1,376.37	-43.57	1.238	.239	90.057	7.166	1.143	.049	.071	.012	.007	.016
08/25/2017	1,073.5	1,054.8	.613	1,371.67	-38.18	1.431	.300	90.026	6.707	1.352	.057	.085	.014	.008	.020
08/26/2017	1,072.5	1,053.9	.611	1,371.57	-38.01	1.401	.295	90.326	6.358	1.431	.059	.089	.014	.009	.019
08/27/2017	1,068.5	1,049.9	.606	1,372.91	-46.81	1.129	.276	91.325	5.805	1.306	.049	.079	.010	.006	.014
08/28/2017	1,059.3	1,040.8	.602	1,365.59	-48.26	1.239	.319	92.001	5.157	1.126	.049	.074	.012	.007	.016
08/29/2017	1,072.3	1,053.6	.613	1,369.18	-34.59	1.529	.334	90.146	6.218	1.561	.065	.100	.015	.010	.021
08/30/2017	1,071.6	1,053.0	.615	1,366.94	-33.35	1.441	.496	90.051	6.264	1.530	.066	.103	.016	.010	.022
08/31/2017	1,069.5	1,050.9	.615	1,364.15	-31.80	1.563	.504	90.007	6.215	1.488	.068	.103	.017	.011	.025
09/01/2017	1,061.9	1,043.4	.611	1,358.34	-35.10	1.502	.627	90.649	5.692	1.322	.064	.093	.016	.010	.024
09/02/2017	1,059.9	1,041.4	.611	1,355.91	-34.56	1.628	.616	90.589	5.698	1.263	.063	.090	.017	.010	.026
09/03/2017	1,064.6	1,046.1	.611	1,362.13	-43.14	1.343	.609	90.464	6.230	1.192	.050	.075	.012	.007	.018
09/04/2017	1,065.1	1,046.6	.605	1,369.00	-48.91	1.190	.347	91.095	6.264	.959	.045	.066	.011	.007	.016
09/05/2017	1,070.0	1,051.3	.607	1,373.86	-50.14	1.158	.252	90.708	6.814	.939	.041	.057	.010	.006	.015
09/06/2017	1,069.4	1,050.8	.606	1,373.72	-49.33	1.176	.231	90.760	6.791	.908	.042	.057	.011	.007	.016
09/07/2017	1,075.4	1,056.7	.610	1,377.35	-43.86	1.107	.259	90.439	6.837	1.183	.054	.086	.012	.007	.015
09/08/2017	1,070.3	1,051.6	.607	1,374.12	-45.08	1.118	.273	90.849	6.594	1.010	.048	.070	.012	.008	.018
09/09/2017	1,068.9	1,050.3	.607	1,372.13	-45.49	1.234	.263	90.791	6.527	1.034	.048	.066	.012	.008	.018
09/10/2017	1,073.4	1,054.7	.611	1,373.42	-42.19	1.347	.256	90.198	6.789	1.237	.055	.082	.013	.008	.017
09/11/2017	1,066.2	1,047.6	.606	1,369.73	-42.98	1.283	.276	91.291	5.719	1.232	.060	.100	.014	.009	.017
09/12/2017	1,063.7	1,045.2	.604	1,369.20	-48.64	1.200	.286	91.557	5.698	1.108	.048	.072	.011	.007	.015
09/13/2017	1,065.3	1,046.8	.604	1,371.08	-49.18	1.118	.286	91.522	5.829	1.090	.047	.076	.011	.007	.014
09/14/2017	1,069.2	1,050.6	.606	1,373.86	-45.08	1.121	.251	91.114	6.288	1.052	.050	.084	.014	.011	.017
09/15/2017	1,070.6	1,052.0	.605	1,376.70	-50.21	1.014	.212	91.182	6.398	1.051	.045	.069	.010	.006	.013
09/16/2017	1,067.1	1,048.5	.603	1,374.64	-53.52	1.041	.198	91.419	6.328	.892	.039	.055	.010	.006	.014
09/17/2017	1,058.2	1,039.8	.597	1,369.28	-56.94	1.059	.205	92.469	5.303	.841	.039	.055	.010	.006	.014
09/18/2017	1,052.7	1,034.3	.594	1,365.47	-58.28	1.077	.229	93.079	4.666	.823	.039	.056	.010	.006	.014
09/19/2017	1,057.1	1,038.7	.596	1,368.84	-57.92	1.043	.204	92.706	5.029	.892	.040	.059	.009	.006	.013
09/20/2017	1,051.6	1,033.3	.593	1,365.12	-60.31	1.055	.232	93.176	4.659	.762	.036	.051	.010	.006	.014
09/21/2017	1,054.8	1,036.5	.596	1,366.32	-57.95	1.076	.250	92.782	4.907	.862	.038	.057	.009	.006	.013
09/22/2017	1,055.7	1,037.3	.595	1,368.88	-58.74	.997	.190	93.019	4.782	.880	.040	.063	.009	.006	.012
09/23/2017	1,055.4	1,037.1	.594	1,368.89	-59.25	1.000	.180	93.054	4.770	.869	.040	.060	.009	.006	.012
09/24/2017	1,054.8	1,036.5	.594	1,368.38	-60.38	1.006	.185	93.053	4.806	.831	.037	.054	.009	.006	.012
09/25/2017	1,055.0	1,036.6	.594	1,368.48	-60.25	.995	.192	93.045	4.815	.833	.038	.055	.009	.006	.012

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09/26/2017	1,056.3	1,037.9	.595	1,369.00	-57.90	1.001	.201	92.897	4.901	.873	.040	.060	.010	.006	.013
09/27/2017	1,055.8	1,037.4	.595	1,368.76	-58.79	1.018	.185	92.933	4.892	.845	.040	.059	.010	.006	.013
09/28/2017	1,055.7	1,037.3	.595	1,368.28	-59.57	1.043	.192	92.814	5.034	.796	.038	.055	.010	.006	.013
09/29/2017	1,053.2	1,034.9	.594	1,367.02	-60.70	1.039	.189	93.106	4.788	.759	.037	.053	.010	.006	.013
09/30/2017	1,063.9	1,045.4	.600	1,373.67	-56.86	1.009	.175	91.892	5.972	.828	.039	.057	.010	.006	.013
10/01/2017	1,078.0	1,059.2	.609	1,381.90	-51.83	.978	.178	90.147	7.717	.860	.039	.053	.009	.006	.013
10/02/2017	1,077.6	1,058.9	.608	1,381.73	-52.56	.985	.171	90.154	7.749	.824	.038	.052	.009	.006	.012
10/03/2017	1,072.4	1,053.8	.605	1,378.53	-55.06	1.005	.174	90.743	7.175	.787	.037	.052	.009	.006	.013
10/04/2017	1,062.5	1,044.0	.601	1,370.61	-54.49	1.155	.200	91.686	6.017	.810	.041	.058	.011	.007	.014
10/05/2017	1,054.6	1,036.3	.597	1,365.46	-55.84	1.155	.238	92.670	4.950	.852	.043	.061	.011	.007	.015
10/06/2017	1,062.3	1,043.8	.602	1,369.35	-49.66	1.102	.296	91.974	5.369	1.083	.063	.081	.012	.007	.014
10/07/2017	1,057.2	1,038.8	.597	1,368.78	-56.22	1.077	.189	92.676	5.024	.897	.043	.064	.010	.006	.014
10/08/2017	1,063.8	1,045.3	.601	1,371.92	-47.34	1.096	.206	92.092	5.277	1.127	.059	.106	.013	.009	.014
10/09/2017	1,062.5	1,044.0	.599	1,372.69	-55.29	1.006	.184	92.230	5.481	.955	.045	.070	.010	.007	.012
10/10/2017	1,059.2	1,040.8	.598	1,369.93	-55.42	1.078	.186	92.454	5.208	.941	.042	.061	.010	.006	.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: BusinessUnitID = 70; Analysis_Key = 52812;