

Gas Quality Reports

LS490 - Rawlins Hesston at Hesston

5/17/2019 - 8/17/2019

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%)
05/17/2019	1,063.1	1,044.6	0.598	1,374.73	-54.23	0.981	0.110	92.428	5.331	1.008	0.044	0.066	0.011	0.007	0.013
05/18/2019	1,064.6	1,046.1	0.599	1,375.74	-52.33	0.961	0.114	92.286	5.488	1.002	0.045	0.071	0.012	0.008	0.013
05/19/2019	1,063.3	1,044.8	0.598	1,374.97	-54.33	0.960	0.118	92.387	5.437	0.949	0.045	0.071	0.011	0.007	0.013
05/20/2019	1,066.3	1,047.8	0.601	1,375.62	-49.17	0.982	0.159	91.976	5.684	1.034	0.049	0.079	0.013	0.009	0.015
05/21/2019	1,067.8	1,049.2	0.601	1,376.93	-51.43	0.988	0.129	91.727	6.044	0.964	0.046	0.068	0.012	0.008	0.014
05/22/2019	1,065.8	1,047.2	0.600	1,376.17	-53.30	0.980	0.114	92.052	5.730	0.984	0.045	0.066	0.011	0.007	0.013
05/23/2019	1,071.3	1,052.7	0.603	1,379.06	-49.01	0.995	0.115	91.486	6.104	1.138	0.055	0.074	0.012	0.007	0.013
05/24/2019	1,072.9	1,054.2	0.607	1,376.64	-40.60	1.087	0.233	90.993	6.246	1.237	0.060	0.098	0.016	0.012	0.018
05/25/2019	1,072.7	1,054.0	0.607	1,376.99	-41.78	1.084	0.210	91.077	6.175	1.259	0.059	0.094	0.015	0.011	0.017
05/26/2019	1,073.7	1,055.0	0.608	1,377.23	-41.58	1.026	0.266	90.885	6.440	1.186	0.058	0.093	0.015	0.011	0.017
05/27/2019	1,075.8	1,057.1	0.609	1,378.54	-38.40	1.033	0.254	90.793	6.389	1.314	0.063	0.106	0.017	0.012	0.018
05/28/2019	1,080.2	1,061.4	0.612	1,380.62	-35.21	1.079	0.245	90.288	6.710	1.452	0.066	0.109	0.018	0.013	0.019
05/29/2019	1,074.1	1,055.4	0.607	1,378.82	-41.50	0.955	0.238	91.064	6.360	1.189	0.057	0.092	0.016	0.011	0.018
05/30/2019	1,074.6	1,055.9	0.607	1,378.94	-41.35	0.974	0.234	90.990	6.390	1.219	0.057	0.092	0.015	0.011	0.017
05/31/2019	1,070.4	1,051.8	0.604	1,377.07	-48.49	1.043	0.165	91.357	6.155	1.118	0.049	0.079	0.012	0.008	0.013
06/01/2019	1,055.5	1,037.1	0.600	1,362.99	-40.05	1.444	0.208	92.259	4.901	0.986	0.062	0.086	0.019	0.012	0.024
06/02/2019	1,077.8	1,059.1	0.618	1,370.69	-23.63	1.791	0.250	89.431	6.436	1.810	0.086	0.128	0.023	0.014	0.030
06/03/2019	1,140.3	1,120.5	0.652	1,411.83	-13.05	1.463	0.107	83.876	10.917	3.336	0.094	0.172	0.014	0.009	0.012
06/04/2019	1,090.9	1,071.9	0.618	1,387.13	-30.49	1.084	0.211	89.394	7.248	1.791	0.088	0.132	0.021	0.014	0.017
06/05/2019	1,086.2	1,067.3	0.617	1,383.03	-26.19	1.142	0.255	89.860	6.641	1.786	0.106	0.145	0.025	0.017	0.023
06/06/2019	1,080.0	1,061.2	0.613	1,379.21	-34.84	1.267	0.191	90.209	6.441	1.670	0.073	0.105	0.016	0.010	0.018
06/07/2019	1,067.5	1,049.0	0.605	1,372.50	-41.54	1.206	0.217	91.496	5.585	1.302	0.061	0.091	0.015	0.010	0.018
06/08/2019	1,070.2	1,051.6	0.607	1,373.67	-39.84	1.207	0.235	91.207	5.763	1.368	0.069	0.109	0.015	0.010	0.017
06/09/2019	1,076.0	1,057.3	0.610	1,377.16	-29.82	1.109	0.287	90.663	6.312	1.386	0.072	0.110	0.020	0.014	0.028
06/10/2019	1,080.5	1,061.7	0.616	1,376.99	-22.25	1.132	0.418	89.897	6.834	1.421	0.081	0.138	0.025	0.020	0.035
06/11/2019	1,078.4	1,059.6	0.617	1,373.30	-24.25	1.288	0.457	89.623	6.994	1.345	0.081	0.136	0.026	0.021	0.032
06/12/2019	1,086.7	1,067.8	0.622	1,377.61	-18.04	1.257	0.495	88.975	7.246	1.677	0.096	0.166	0.029	0.024	0.034
06/13/2019	1,086.9	1,067.9	0.622	1,377.74	-17.89	1.252	0.496	88.987	7.219	1.691	0.098	0.169	0.030	0.024	0.034
06/14/2019	1,088.8	1,069.8	0.624	1,378.35	-19.08	1.382	0.438	88.613	7.446	1.786	0.094	0.161	0.027	0.021	0.032
06/15/2019	1,093.5	1,074.4	0.626	1,382.55	-21.86	1.338	0.379	88.262	7.825	1.896	0.087	0.146	0.023	0.017	0.027
06/16/2019	1,095.5	1,076.4	0.627	1,383.59	-22.01	1.249	0.442	88.095	8.015	1.868	0.095	0.169	0.025	0.019	0.024
06/17/2019	1,096.9	1,077.8	0.630	1,381.86	-21.34	1.270	0.570	87.488	8.543	1.809	0.092	0.158	0.025	0.020	0.025
06/18/2019	1,090.8	1,071.8	0.625	1,379.73	-22.74	1.274	0.495	88.310	7.924	1.686	0.089	0.150	0.025	0.020	0.027
06/19/2019	1,074.8	1,056.1	0.612	1,374.35	-33.35	1.375	0.227	90.259	6.573	1.337	0.071	0.101	0.019	0.013	0.024
06/20/2019	1,099.1	1,080.0	0.628	1,387.16	-26.82	1.458	0.219	87.633	8.391	2.055	0.076	0.124	0.016	0.011	0.018
06/21/2019	1,075.7	1,057.0	0.612	1,374.70	-33.03	1.444	0.193	90.240	6.360	1.532	0.072	0.106	0.018	0.011	0.022
06/22/2019	1,087.7	1,068.7	0.618	1,383.26	-32.24	1.336	0.160	89.179	7.369	1.741	0.067	0.103	0.015	0.010	0.019
06/23/2019	1,077.7	1,058.9	0.608	1,382.11	-45.13	1.024	0.123	90.717	6.691	1.284	0.051	0.077	0.012	0.007	0.014
06/24/2019	1,077.1	1,058.3	0.608	1,381.24	-44.92	1.010	0.162	90.643	6.843	1.176	0.051	0.079	0.013	0.009	0.015
06/25/2019	1,078.6	1,059.8	0.609	1,382.02	-43.61	1.011	0.167	90.393	7.132	1.128	0.052	0.080	0.013	0.009	0.016
06/26/2019	1,081.4	1,062.6	0.612	1,382.00	-39.53	1.061	0.219	89.949	7.349	1.226	0.059	0.093	0.015	0.011	0.017
06/27/2019	1,077.4	1,058.6	0.615	1,374.09	-26.50	1.405	0.304	89.714	7.014	1.311	0.073	0.111	0.022	0.015	0.032
06/28/2019	1,088.7	1,069.7	0.622	1,380.67	-23.37	1.466	0.249	88.758	7.437	1.819	0.081	0.126	0.021	0.014	0.029

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06/29/2019	1,096.5	1,077.4	0.622	1,389.74	-29.06	1.214	0.153	88.489	8.044	1.870	0.073	0.112	0.015	0.010	0.019
06/30/2019	1,098.5	1,079.4	0.622	1,393.33	-30.05	1.043	0.130	88.685	8.046	1.850	0.082	0.119	0.017	0.011	0.017
07/01/2019	1,090.7	1,071.7	0.618	1,387.89	-34.87	1.113	0.146	89.042	8.018	1.484	0.062	0.091	0.015	0.009	0.018
07/02/2019	1,100.5	1,081.3	0.624	1,393.28	-29.39	1.119	0.144	88.190	8.474	1.835	0.078	0.116	0.016	0.011	0.017
07/03/2019	1,095.0	1,075.9	0.618	1,392.70	-36.39	0.953	0.118	88.887	8.394	1.450	0.068	0.091	0.015	0.010	0.016
07/04/2019	1,094.1	1,075.1	0.618	1,391.98	-36.00	0.963	0.124	88.948	8.340	1.416	0.071	0.094	0.016	0.011	0.016
07/05/2019	1,093.2	1,074.2	0.618	1,391.16	-36.36	0.974	0.136	88.968	8.344	1.373	0.070	0.094	0.016	0.010	0.016
07/06/2019	1,096.2	1,077.1	0.618	1,394.26	-36.75	0.895	0.107	88.892	8.457	1.443	0.071	0.095	0.015	0.010	0.014
07/07/2019	1,095.2	1,076.1	0.618	1,393.69	-37.08	0.889	0.112	89.014	8.355	1.421	0.074	0.095	0.016	0.010	0.014
07/08/2019	1,093.1	1,074.1	0.616	1,392.33	-37.83	0.897	0.120	89.158	8.280	1.340	0.071	0.093	0.016	0.010	0.015
07/09/2019	1,093.5	1,074.4	0.617	1,392.23	-36.88	0.916	0.122	89.126	8.238	1.384	0.073	0.098	0.016	0.011	0.015
07/10/2019	1,092.3	1,073.3	0.616	1,391.53	-37.42	0.913	0.128	89.226	8.170	1.352	0.072	0.096	0.016	0.011	0.015
07/11/2019	1,092.3	1,073.3	0.617	1,390.49	-34.81	0.973	0.145	89.183	8.027	1.442	0.076	0.107	0.017	0.012	0.017
07/12/2019	1,091.1	1,072.1	0.618	1,387.48	-33.64	1.149	0.157	88.997	7.938	1.526	0.076	0.111	0.017	0.012	0.017
07/13/2019	1,095.0	1,076.0	0.621	1,389.67	-33.16	1.178	0.137	88.592	8.203	1.651	0.078	0.118	0.016	0.011	0.015
07/14/2019	1,088.2	1,069.2	0.618	1,384.23	-32.49	1.270	0.167	89.052	7.772	1.514	0.073	0.104	0.017	0.011	0.020
07/15/2019	1,124.3	1,104.7	0.641	1,404.71	-5.59	1.253	0.144	86.651	8.464	2.810	0.179	0.407	0.039	0.032	0.022
07/16/2019	1,107.5	1,088.2	0.626	1,399.67	-22.66	0.952	0.111	88.232	8.332	1.947	0.117	0.250	0.025	0.019	0.016
07/17/2019	1,096.9	1,077.9	0.621	1,391.55	-27.46	1.003	0.207	88.757	8.098	1.590	0.097	0.192	0.022	0.017	0.018
07/18/2019	1,092.6	1,073.6	0.622	1,385.26	-27.99	1.176	0.309	88.510	8.145	1.613	0.074	0.117	0.019	0.014	0.023
07/19/2019	1,091.9	1,072.9	0.622	1,384.78	-28.43	1.266	0.254	88.545	8.045	1.652	0.072	0.112	0.019	0.013	0.022
07/20/2019	1,104.2	1,085.0	0.631	1,390.17	-20.37	1.404	0.242	87.350	8.466	2.243	0.090	0.147	0.020	0.014	0.023
07/21/2019	1,092.1	1,073.1	0.619	1,387.72	-35.30	1.154	0.171	88.791	8.116	1.570	0.062	0.097	0.014	0.010	0.016
07/22/2019	1,087.4	1,068.4	0.616	1,385.83	-39.97	1.149	0.135	89.206	8.010	1.330	0.054	0.082	0.012	0.008	0.015
07/23/2019	1,081.5	1,062.7	0.617	1,377.24	-29.53	1.403	0.259	89.324	7.382	1.396	0.072	0.104	0.020	0.014	0.026
07/24/2019	1,100.0	1,080.9	0.626	1,390.05	-28.40	1.277	0.205	87.801	8.583	1.898	0.072	0.119	0.016	0.011	0.018
07/25/2019	1,091.9	1,072.9	0.622	1,384.79	-36.98	1.429	0.149	88.213	8.423	1.606	0.057	0.090	0.012	0.008	0.013
07/26/2019	1,079.3	1,060.6	0.615	1,376.10	-27.70	1.482	0.203	89.570	7.097	1.416	0.071	0.100	0.020	0.012	0.030
07/27/2019	1,074.1	1,055.4	0.616	1,368.84	-37.35	1.891	0.175	89.134	7.319	1.287	0.062	0.087	0.016	0.011	0.019
07/28/2019	1,063.7	1,045.2	0.613	1,358.07	-52.44	2.363	0.138	89.039	7.337	0.982	0.045	0.069	0.011	0.008	0.009
07/29/2019	1,101.1	1,081.9	0.635	1,382.02	-15.69	1.994	0.216	86.838	8.059	2.567	0.100	0.162	0.023	0.015	0.027
07/30/2019	1,090.9	1,072.0	0.627	1,377.51	-25.04	1.896	0.216	87.731	7.848	2.040	0.082	0.134	0.019	0.013	0.021
07/31/2019	1,097.1	1,078.0	0.629	1,382.98	-22.86	1.679	0.243	87.536	8.083	2.180	0.087	0.140	0.019	0.013	0.022
08/01/2019	1,071.6	1,053.0	0.619	1,361.51	-42.58	2.256	0.267	88.369	7.630	1.291	0.057	0.095	0.013	0.011	0.012
08/02/2019	1,058.2	1,039.8	0.613	1,351.35	-55.07	2.718	0.105	88.964	7.116	0.966	0.041	0.065	0.009	0.007	0.008
08/03/2019	1,064.1	1,045.6	0.617	1,354.60	-51.10	2.748	0.092	88.359	7.507	1.155	0.042	0.073	0.009	0.008	0.008
08/04/2019	1,090.3	1,071.4	0.624	1,380.68	-29.50	1.666	0.171	88.082	8.089	1.775	0.067	0.104	0.016	0.010	0.021
08/05/2019	1,105.1	1,085.9	0.635	1,387.20	-15.84	1.742	0.215	86.868	8.310	2.540	0.100	0.161	0.023	0.015	0.026
08/06/2019	1,080.2	1,061.4	0.619	1,372.81	-25.93	1.707	0.266	89.054	7.070	1.650	0.078	0.114	0.021	0.013	0.028
08/07/2019	1,090.6	1,071.6	0.626	1,378.52	-22.39	1.716	0.266	88.063	7.677	2.011	0.083	0.123	0.021	0.013	0.027
08/08/2019	1,097.6	1,078.5	0.634	1,378.40	-13.44	2.037	0.283	87.052	7.743	2.549	0.104	0.159	0.026	0.016	0.033
08/09/2019	1,102.9	1,083.8	0.635	1,384.04	-13.65	1.860	0.249	86.895	8.053	2.607	0.104	0.163	0.024	0.015	0.030
08/10/2019	1,109.2	1,089.9	0.636	1,390.73	-15.54	1.654	0.205	86.643	8.530	2.654	0.097	0.157	0.021	0.013	0.025

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08/11/2019	1,109.6	1,090.3	0.640	1,387.39	-11.53	1.930	0.224	86.209	8.428	2.840	0.113	0.186	0.025	0.016	0.028
08/12/2019	1,118.6	1,099.1	0.645	1,393.25	-8.72	1.880	0.206	85.548	8.818	3.167	0.118	0.196	0.024	0.016	0.028
08/13/2019	1,105.0	1,085.8	0.635	1,386.22	-17.77	1.847	0.201	86.614	8.495	2.535	0.096	0.155	0.021	0.014	0.023
08/14/2019	1,092.4	1,073.4	0.630	1,376.57	-16.42	2.008	0.240	87.653	7.454	2.306	0.104	0.164	0.025	0.016	0.030
08/15/2019	1,094.0	1,074.9	0.632	1,375.91	-14.46	2.121	0.252	87.269	7.613	2.407	0.105	0.160	0.025	0.016	0.032

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 = 52782