

Gas Quality Reports

LS235 - On Sedalia 20" at Peculiar

6/30/2024 - 9/30/2024

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%)
06/30/2024 12:00AM	1,057.6	1,039.2	0.606	1,358.31	-70.24	1.625	0.418	90.297	7.079	0.496	0.027	0.038	0.007	0.005	0.007
07/01/2024 12:00AM	1,055.9	1,037.5	0.605	1,357.27	-67.66	1.482	0.513	90.646	6.786	0.479	0.030	0.040	0.009	0.005	0.009
07/02/2024 12:00AM	1,057.1	1,038.7	0.608	1,355.66	-65.57	1.647	0.534	90.140	7.021	0.563	0.031	0.043	0.008	0.005	0.009
07/03/2024 12:00AM	1,030.9	1,013.0	0.593	1,338.39	-145.23	1.895	0.490	92.797	4.418	0.330	0.019	0.032	0.006	0.005	0.009
07/04/2024 12:00AM	1,049.0	1,030.7	0.604	1,350.28	-133.03	1.742	0.512	90.807	6.470	0.402	0.021	0.026	0.007	0.004	0.009
07/05/2024 12:00AM	1,034.6	1,016.6	0.594	1,342.59	-143.31	1.751	0.471	92.692	4.693	0.322	0.020	0.032	0.007	0.005	0.008
07/06/2024 12:00AM	1,047.5	1,029.3	0.601	1,351.60	-69.60	1.446	0.587	91.564	5.919	0.392	0.027	0.038	0.009	0.007	0.011
07/07/2024 12:00AM	1,046.9	1,028.7	0.603	1,347.73	-133.58	1.890	0.489	90.832	6.278	0.438	0.022	0.031	0.006	0.005	0.008
07/08/2024 12:00AM	1,027.4	1,009.6	0.593	1,334.35	-147.09	2.012	0.525	92.880	4.197	0.316	0.018	0.035	0.006	0.005	0.007
07/09/2024 12:00AM	1,032.0	1,014.0	0.597	1,335.98	-67.83	2.040	0.560	92.350	4.522	0.409	0.028	0.057	0.011	0.011	0.012
07/10/2024 12:00AM	1,044.2	1,026.0	0.603	1,344.84	-51.28	1.936	0.531	91.258	5.600	0.527	0.034	0.067	0.014	0.014	0.019
07/11/2024 12:00AM	1,042.5	1,024.4	0.601	1,344.96	-92.04	1.865	0.516	91.583	5.432	0.469	0.033	0.063	0.013	0.013	0.014
07/12/2024 12:00AM	1,050.9	1,032.6	0.608	1,348.12	-60.43	1.849	0.620	90.572	6.155	0.607	0.047	0.091	0.020	0.020	0.019
07/13/2024 12:00AM	1,058.3	1,039.9	0.611	1,354.05	-36.45	1.603	0.688	90.205	6.585	0.676	0.058	0.109	0.026	0.026	0.025
07/14/2024 12:00AM	1,049.7	1,031.5	0.605	1,349.76	-68.52	1.722	0.574	90.880	6.188	0.497	0.034	0.061	0.014	0.013	0.016
07/15/2024 12:00AM	1,035.3	1,017.3	0.597	1,339.38	-135.81	2.026	0.490	91.911	5.178	0.326	0.018	0.033	0.006	0.006	0.007
07/16/2024 12:00AM	1,030.7	1,012.8	0.595	1,335.80	-144.17	2.135	0.468	92.317	4.685	0.323	0.018	0.035	0.006	0.006	0.007
07/17/2024 12:00AM	1,034.2	1,016.2	0.597	1,338.94	-129.40	2.048	0.465	92.123	4.914	0.374	0.020	0.037	0.007	0.006	0.007
07/18/2024 12:00AM	1,038.4	1,020.4	0.598	1,343.29	-110.54	1.810	0.515	92.052	5.143	0.395	0.024	0.039	0.008	0.006	0.009
07/19/2024 12:00AM	1,054.4	1,036.1	0.607	1,353.16	-75.88	1.816	0.476	90.179	6.900	0.548	0.025	0.035	0.007	0.005	0.008
07/20/2024 12:00AM	1,050.6	1,032.3	0.605	1,350.44	-111.15	1.921	0.436	90.419	6.687	0.475	0.020	0.027	0.005	0.004	0.006
07/21/2024 12:00AM	1,048.5	1,030.3	0.604	1,348.68	-113.61	2.047	0.385	90.564	6.427	0.505	0.022	0.034	0.006	0.004	0.006
07/22/2024 12:00AM	1,033.3	1,015.4	0.596	1,338.32	-139.47	2.095	0.440	92.187	4.840	0.349	0.022	0.045	0.008	0.007	0.007
07/23/2024 12:00AM	1,034.2	1,016.2	0.596	1,339.16	-124.70	2.056	0.447	92.174	4.868	0.357	0.025	0.049	0.008	0.008	0.009
07/24/2024 12:00AM	1,030.2	1,012.2	0.593	1,337.42	-130.47	2.034	0.428	92.809	4.274	0.350	0.025	0.053	0.009	0.009	0.009
07/25/2024 12:00AM	1,032.0	1,014.1	0.595	1,337.99	-135.16	2.052	0.444	92.500	4.523	0.386	0.024	0.046	0.008	0.008	0.009
07/26/2024 12:00AM	1,038.2	1,020.2	0.598	1,342.55	-120.31	1.966	0.447	91.881	5.212	0.410	0.022	0.039	0.007	0.007	0.008
07/27/2024 12:00AM	1,045.3	1,027.1	0.602	1,347.41	-92.08	1.828	0.495	91.270	5.828	0.484	0.028	0.044	0.008	0.006	0.008
07/28/2024 12:00AM	1,051.7	1,033.4	0.607	1,349.99	-62.95	1.858	0.537	90.436	6.470	0.568	0.037	0.061	0.012	0.010	0.011
07/29/2024 12:00AM	1,037.6	1,019.6	0.599	1,341.23	-81.97	1.887	0.552	92.030	4.977	0.424	0.031	0.060	0.013	0.013	0.014
07/30/2024 12:00AM	1,039.5	1,021.4	0.601	1,341.05	-63.81	2.190	0.424	91.348	5.497	0.422	0.027	0.056	0.011	0.011	0.013
07/31/2024 12:00AM	1,039.0	1,020.9	0.600	1,341.75	-70.74	2.041	0.466	91.660	5.301	0.414	0.027	0.057	0.011	0.011	0.012
08/01/2024 12:00AM	1,032.7	1,014.7	0.594	1,339.45	-113.63	1.920	0.471	92.638	4.521	0.352	0.023	0.047	0.009	0.009	0.011
08/02/2024 12:00AM	1,030.7	1,012.8	0.593	1,338.11	-142.60	1.961	0.456	92.721	4.487	0.306	0.017	0.033	0.006	0.006	0.008
08/03/2024 12:00AM	1,031.2	1,013.2	0.594	1,337.45	-144.72	2.013	0.473	92.476	4.679	0.295	0.016	0.030	0.005	0.005	0.007
08/04/2024 12:00AM	1,033.4	1,015.4	0.594	1,340.55	-141.26	1.895	0.450	92.492	4.823	0.279	0.015	0.027	0.005	0.005	0.007
08/05/2024 12:00AM	1,036.9	1,018.8	0.597	1,342.39	-124.31	1.928	0.439	92.033	5.227	0.308	0.017	0.028	0.006	0.006	0.009
08/06/2024 12:00AM	1,048.5	1,030.3	0.604	1,349.46	-126.00	1.859	0.465	90.748	6.409	0.457	0.020	0.027	0.006	0.004	0.006
08/07/2024 12:00AM	1,042.1	1,024.0	0.598	1,347.19	-135.53	1.880	0.373	91.654	5.663	0.370	0.017	0.027	0.005	0.005	0.006
08/08/2024 12:00AM	1,056.4	1,038.1	0.609	1,353.62	-71.64	1.888	0.468	89.878	7.041	0.635	0.027	0.040	0.008	0.006	0.008
08/09/2024 12:00AM	1,054.1	1,035.7	0.606	1,354.41	-107.07	2.005	0.272	90.258	6.822	0.574	0.023	0.033	0.005	0.004	0.005
08/10/2024 12:00AM	1,038.8	1,020.7	0.599	1,342.31	-136.38	1.991	0.463	91.684	5.387	0.398	0.021	0.039	0.006	0.006	0.006
08/11/2024 12:00AM	1,049.6	1,031.4	0.606	1,348.56	-101.56	1.856	0.553	90.522	6.440	0.553	0.024	0.035	0.006	0.004	0.006

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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%)
08/12/2024 12:00AM	1,041.3	1,023.2	0.600	1,343.80	-116.04	1.743	0.623	91.550	5.609	0.409	0.020	0.030	0.006	0.005	0.007
08/13/2024 12:00AM	1,048.3	1,030.0	0.605	1,347.57	-122.83	1.748	0.635	90.646	6.440	0.468	0.020	0.028	0.005	0.004	0.006
08/14/2024 12:00AM	1,051.7	1,033.4	0.604	1,352.86	-84.74	1.213	0.803	91.092	6.367	0.439	0.028	0.035	0.009	0.006	0.010
08/15/2024 12:00AM	1,032.2	1,014.3	0.595	1,337.97	-119.20	1.851	0.585	92.524	4.629	0.333	0.020	0.036	0.007	0.006	0.008
08/16/2024 12:00AM	1,040.4	1,022.3	0.601	1,342.46	-116.60	1.865	0.589	91.533	5.491	0.438	0.023	0.041	0.007	0.006	0.007
08/17/2024 12:00AM	1,038.7	1,020.6	0.598	1,343.03	-118.59	1.826	0.527	91.947	5.214	0.405	0.022	0.037	0.007	0.006	0.008
08/18/2024 12:00AM	1,055.5	1,037.1	0.608	1,353.06	-76.37	1.707	0.586	90.199	6.794	0.582	0.035	0.060	0.013	0.012	0.011
08/19/2024 12:00AM	1,045.0	1,026.8	0.604	1,345.02	-83.92	1.798	0.636	91.058	5.928	0.488	0.025	0.042	0.008	0.007	0.010
08/20/2024 12:00AM	1,053.6	1,035.3	0.606	1,353.07	-95.58	1.649	0.565	90.409	6.795	0.514	0.022	0.029	0.006	0.004	0.007
08/21/2024 12:00AM	1,052.3	1,034.0	0.604	1,354.45	-116.73	1.859	0.309	90.587	6.743	0.447	0.018	0.022	0.005	0.004	0.006
08/22/2024 12:00AM	1,050.5	1,032.2	0.606	1,349.05	-121.75	1.729	0.637	90.379	6.742	0.459	0.018	0.023	0.006	0.004	0.005
08/23/2024 12:00AM	1,040.4	1,022.3	0.600	1,343.65	-119.67	1.951	0.465	91.574	5.521	0.416	0.020	0.035	0.006	0.005	0.007
08/24/2024 12:00AM	1,037.4	1,019.4	0.597	1,342.16	-141.24	1.907	0.482	91.922	5.284	0.344	0.017	0.029	0.005	0.005	0.006
08/25/2024 12:00AM	1,040.1	1,022.1	0.599	1,343.48	-114.03	1.642	0.671	91.804	5.444	0.363	0.022	0.035	0.007	0.006	0.008
08/26/2024 12:00AM	1,037.0	1,019.0	0.597	1,341.70	-128.32	1.752	0.598	92.070	5.177	0.337	0.018	0.031	0.005	0.005	0.007
08/27/2024 12:00AM	1,032.4	1,014.5	0.594	1,339.78	-145.15	1.860	0.487	92.560	4.789	0.256	0.014	0.022	0.005	0.004	0.005
08/28/2024 12:00AM	1,037.9	1,019.9	0.599	1,340.82	-136.86	2.030	0.493	91.552	5.515	0.345	0.018	0.032	0.005	0.004	0.005
08/29/2024 12:00AM	1,042.2	1,024.1	0.599	1,346.16	-119.97	1.631	0.597	91.774	5.524	0.392	0.024	0.038	0.008	0.006	0.008
08/30/2024 12:00AM	1,045.5	1,027.3	0.600	1,349.53	-119.66	1.287	0.741	91.832	5.647	0.408	0.026	0.036	0.008	0.006	0.008
08/31/2024 12:00AM	1,045.0	1,026.8	0.603	1,345.98	-129.84	1.691	0.657	91.166	5.962	0.449	0.023	0.034	0.006	0.005	0.006
09/01/2024 12:00AM	1,045.9	1,027.7	0.604	1,345.35	-100.76	1.968	0.538	90.750	6.170	0.484	0.026	0.041	0.008	0.007	0.007
09/02/2024 12:00AM	1,047.6	1,029.4	0.607	1,344.47	-83.06	1.846	0.721	90.469	6.312	0.555	0.029	0.046	0.008	0.007	0.008
09/03/2024 12:00AM	1,046.8	1,028.6	0.603	1,347.89	-110.49	1.344	0.834	91.339	5.979	0.417	0.027	0.037	0.009	0.006	0.009
09/04/2024 12:00AM	1,037.8	1,019.7	0.598	1,341.93	-118.43	1.734	0.620	92.030	5.165	0.374	0.021	0.036	0.007	0.006	0.008
09/05/2024 12:00AM	1,036.5	1,018.5	0.599	1,339.60	-112.03	1.954	0.565	91.824	5.199	0.379	0.021	0.037	0.007	0.007	0.008
09/06/2024 12:00AM	1,047.4	1,029.2	0.608	1,343.79	-71.48	2.070	0.606	90.204	6.531	0.482	0.027	0.047	0.012	0.011	0.010
09/07/2024 12:00AM	1,055.0	1,036.6	0.608	1,352.50	-59.21	1.881	0.488	90.011	6.965	0.541	0.030	0.050	0.012	0.011	0.012
09/08/2024 12:00AM	1,055.9	1,037.6	0.606	1,356.31	-59.70	1.829	0.341	90.315	6.899	0.499	0.031	0.051	0.012	0.011	0.012
09/09/2024 12:00AM	1,052.7	1,034.4	0.607	1,351.34	-75.86	1.787	0.541	90.417	6.595	0.534	0.034	0.056	0.013	0.012	0.011
09/10/2024 12:00AM	1,053.3	1,035.0	0.609	1,349.89	-65.25	1.698	0.701	90.153	6.793	0.538	0.031	0.051	0.012	0.011	0.011
09/11/2024 12:00AM	1,048.1	1,029.9	0.605	1,347.25	-72.40	1.730	0.660	90.821	6.178	0.490	0.031	0.054	0.013	0.012	0.012
09/12/2024 12:00AM	1,049.3	1,031.0	0.607	1,346.39	-61.91	1.913	0.625	90.281	6.597	0.476	0.027	0.046	0.012	0.011	0.012
09/13/2024 12:00AM	1,043.7	1,025.5	0.604	1,342.64	-78.01	2.054	0.559	90.810	6.015	0.455	0.027	0.049	0.011	0.010	0.010
09/14/2024 12:00AM	1,052.9	1,034.6	0.607	1,351.74	-71.68	1.865	0.474	90.385	6.589	0.563	0.033	0.058	0.012	0.011	0.011
09/15/2024 12:00AM	1,050.0	1,031.8	0.605	1,350.38	-88.33	1.879	0.450	90.645	6.462	0.461	0.027	0.044	0.011	0.010	0.012
09/16/2024 12:00AM	1,049.1	1,030.8	0.607	1,346.72	-59.78	2.112	0.468	90.389	6.331	0.545	0.037	0.072	0.016	0.016	0.014
09/17/2024 12:00AM	1,048.0	1,029.8	0.606	1,345.91	-56.72	2.252	0.387	90.326	6.376	0.524	0.032	0.061	0.015	0.014	0.013
09/18/2024 12:00AM	1,049.3	1,031.1	0.607	1,347.25	-57.43	2.213	0.379	90.349	6.297	0.630	0.033	0.060	0.013	0.012	0.012
09/19/2024 12:00AM	1,059.4	1,040.9	0.614	1,352.25	-35.40	1.914	0.616	89.817	6.492	0.863	0.067	0.140	0.031	0.031	0.029
09/20/2024 12:00AM	1,062.7	1,044.2	0.615	1,354.78	-21.71	1.943	0.564	89.755	6.364	1.006	0.081	0.174	0.036	0.038	0.040
09/21/2024 12:00AM	1,048.9	1,030.7	0.602	1,352.30	-108.07	2.056	0.191	91.067	6.001	0.596	0.028	0.043	0.007	0.005	0.007
09/22/2024 12:00AM	1,052.0	1,033.7	0.602	1,355.53	-102.88	1.878	0.228	91.068	6.079	0.641	0.033	0.051	0.009	0.007	0.007
09/23/2024 12:00AM	1,065.0	1,046.5	0.620	1,353.11	-19.95	1.996	0.697	89.210	6.561	1.133	0.090	0.195	0.040	0.042	0.035

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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%)
09/24/2024 12:00AM	1,050.5	1,032.2	0.609	1,345.95	-67.83	1.989	0.638	90.140	6.489	0.590	0.035	0.068	0.016	0.016	0.018
09/25/2024 12:00AM	1,045.0	1,026.8	0.605	1,344.07	-85.92	2.027	0.542	90.708	6.166	0.470	0.023	0.038	0.009	0.008	0.009
09/26/2024 12:00AM	1,051.8	1,033.5	0.609	1,347.69	-48.73	1.943	0.610	90.335	6.250	0.658	0.048	0.093	0.020	0.020	0.023
09/27/2024 12:00AM	1,052.9	1,034.5	0.612	1,346.10	-48.29	1.980	0.712	89.717	6.823	0.607	0.038	0.071	0.017	0.017	0.017
09/28/2024 12:00AM	1,048.4	1,030.2	0.608	1,344.61	-98.46	2.052	0.605	90.090	6.687	0.468	0.024	0.042	0.011	0.010	0.012
09/29/2024 12:00AM	1,055.0	1,036.6	0.611	1,349.24	-80.36	1.991	0.594	90.098	6.274	0.772	0.062	0.133	0.028	0.027	0.022

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 = 68421;