

CRIMSON GULF, LLC

QUALITY BANK POLICY

GENERAL APPLICATION

This tariff shall apply only to those tariffs which specifically incorporate this tariff, supplements hereto or successive reissues thereof, by reference.

The provisions published herein will, if effective, not result in an effect on the quality of the human environment.

ISSUED: September 30, 2016

EFFECTIVE: November 1, 2016

Issued By:
L.W. Alexander President
Crimson Gulf, LLC
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Long Beach, CA 90806

TABLE OF CONTENTS

	<u>PAGE NO.</u>
EXPLANATION	3
Exhibit "A" - Gravity Differentials	4
Exhibit "B" - Sulfur Differentials	6
Exhibit "C" - Ratio Factors	8
Exhibit "D" - Sample Calculation	10

EXPLANATION

Gravity and Sulfur Bank - Shippers may be required, as a condition of tendering, to participate in a Gravity and/or Sulfur Bank, as determined by Carrier.

The tables of gravity and sulfur differential values per barrel as attached hereto as Exhibits A and B are incorporated herein and made a part of these rules.

The weighted average gravity differential value per barrel (for two or more gravities of crude petroleum), as hereinafter referred to, shall be obtained in the following manner: Multiply the gravity differential values per barrel (as reflected on Exhibit "A") by the number of barrels to which such gravity differential values are applicable and then divide the total of the resultant gravity differential values in dollars and cents of the total of the applicable barrels.

Applicable barrels and gravities shall be the net barrels at 60°Fahrenheit (with no deduction for loss allowance) and the gravities recorded by the Operator at points where it customarily records gravities and quantities.

The weighted average sulfur differential value per barrel (for two or more sulfur contents of crude petroleum), as hereinafter referred to, shall be obtained in the following manner: Multiply the sulfur differential values per barrel by the number of barrels to which such sulfur differential values are applicable and then divide the total of the resultant sulfur differential values in dollars and cents by the total of the applicable barrels.

Applicable barrels and sulfur content shall be the net barrels at 60°Fahrenheit (with no deduction for loss allowance) and the sulfur content recorded by a competent laboratory for samples obtained by the Carrier at points where it customarily measures and samples receipts for custody transfer.

Sulfur content as furnished by the laboratory at the true gravity shall be adjusted to reflect its comparison to the reference crude at 35.5° gravity. The adjustment to the test sulfur content shall be made by establishing a ratio of weight per gallon for the gravity of the sample to weight per gallon for the gravity of the reference crude of 35.5°gravity. The Table of Ratio Factors for Sulfur Adjustments is attached hereto as Exhibit "C" and made a part of these rules.

The ratio thus obtained will be applied against the tested sulfur content of the sample to obtain the adjusted sulfur content (gravity ratio x tested sulfur content = adjusted sulfur content). The adjusted sulfur content will then be used to obtain the sulfur differential value per barrel from the table of sulfur differential values per barrel (Exhibit "B").

Adjustment between shippers shall be computed as follows:

- I. Compute the weighted average gravity differential value per barrel of the barrels received from each Shipper. Compute the weighted average sulfur differential value per barrel of the barrels received from each Shipper.
- II. Compute the weighted average gravity differential value per barrel of the composite common stream receipts.
 - A. If the weighted average gravity differential value per barrel of a shipper as so determined under Paragraph I above shall be greater than the weighted average gravity differential value per barrel of the aforementioned common stream crude petroleum as determined under Paragraph II, the difference in cents per barrel shall be calculated and Shipper shall be credited an amount calculated by multiplying said difference in gravity differential value per barrel by the applicable barrels.
 - B. If the weighted average gravity differential value per barrel of a shipper is less than the weighted average gravity differential value per barrel of the aforementioned common stream crude petroleum, the difference shall be calculated as above outlined and Shipper debited for such difference.
- III. Compute the weighted average sulfur differential value per barrel of the composite common stream receipts.
 - A. If the weighted average sulfur differential value per barrel of a shipper as so determined under Paragraph I above shall be greater than the weighted average sulfur differential value per barrel of the aforementioned common stream crude petroleum as determined under Paragraph II, the difference in cents per barrel shall be calculated and Shipper shall be debited an amount calculated by multiplying said difference in sulfur differential value per barrel by the applicable barrels.
 - B. If the weighted average sulfur differential value per barrel of a shipper is less than the weighted average sulfur differential value per barrel of the aforementioned common stream crude petroleum, the difference shall be calculated as above outlined and Shipper shall be credited for such difference.

A sample calculation is attached as Exhibit "D".

These calculations shall be made for each calendar month and the algebraic sum of the adjustments for the System shall be zero ± One Dollar. If a Shipper shall have a net debit balance in combining the two adjustments made above, the balance shall be remitted to the clearinghouse within fifteen (15) days from receipt of statement of such debit. If Shipper shall have a credit, the clearinghouse shall remit the amount thereof after receipt by the clearinghouse of the sums from those shippers having debits as calculated above.

EXHIBIT "A"
ADJUSTMENT AUTHORIZATION
 TABLES OF DIFFERENTIALS FOR USE IN DETERMINING ADJUSTMENTS FOR
 DIFFERENCE IN GRAVITY OF CRUDE PETROLEUM

API Gravity	DIFF. PER BBL	API Gravity	DIFF. PER BBL	API Gravity	DIFF. PER BBL	API Gravity	DIFF. PER BBL
10.000	2.750	16.200	3.680	22.400	4.610	28.600	5.060
10.100	2.765	16.300	3.695	22.500	4.625	28.700	5.060
10.200	2.780	16.400	3.710	22.600	4.640	28.800	5.060
10.300	2.795	16.500	3.725	22.700	4.655	28.900	5.060
10.400	2.810	16.600	3.740	22.800	4.670	29.000	5.080
10.500	2.825	16.700	3.755	22.900	4.685	29.100	5.080
10.600	2.840	16.800	3.770	23.000	4.700	29.200	5.080
10.700	2.855	16.900	3.785	23.100	4.715	29.300	5.080
10.800	2.870	17.000	3.800	23.200	4.730	29.400	5.080
10.900	2.885	17.100	3.815	23.300	4.745	29.500	5.080
11.000	2.900	17.200	3.830	23.400	4.760	29.600	5.080
11.100	2.915	17.300	3.845	23.500	4.775	29.700	5.080
11.200	2.930	17.400	3.860	23.600	4.790	29.800	5.080
11.300	2.945	17.500	3.875	23.700	4.805	29.900	5.080
11.400	2.960	17.600	3.890	23.800	4.820	30.000	5.100
11.500	2.975	17.700	3.905	23.900	4.835	30.100	5.100
11.600	2.990	17.800	3.920	24.000	4.850	30.200	5.100
11.700	3.005	17.900	3.935	24.100	4.865	30.300	5.100
11.800	3.020	18.000	3.950	24.200	4.880	30.400	5.100
11.900	3.035	18.100	3.965	24.300	4.895	30.500	5.100
12.000	3.050	18.200	3.980	24.400	4.910	30.600	5.100
12.100	3.065	18.300	3.995	24.500	4.925	30.700	5.100
12.200	3.080	18.400	4.010	24.600	4.940	30.800	5.100
12.300	3.095	18.500	4.025	24.700	4.955	30.900	5.100
12.400	3.110	18.600	4.040	24.800	4.970	31.000	5.100
12.500	3.125	18.700	4.055	24.900	4.985	31.100	5.100
12.600	3.140	18.800	4.070	25.000	5.000	31.200	5.100
12.700	3.155	18.900	4.085	25.100	5.000	31.300	5.100
12.800	3.170	19.000	4.100	25.200	5.000	31.400	5.100
12.900	3.185	19.100	4.115	25.300	5.000	31.500	5.100
13.000	3.200	19.200	4.130	25.400	5.000	31.600	5.100
13.100	3.215	19.300	4.145	25.500	5.000	31.700	5.100
13.200	3.230	19.400	4.160	25.600	5.000	31.800	5.100
13.300	3.245	19.500	4.175	25.700	5.000	31.900	5.100
13.400	3.260	19.600	4.190	25.800	5.000	32.000	5.100
13.500	3.275	19.700	4.205	25.900	5.000	32.100	5.100
13.600	3.290	19.800	4.220	26.000	5.020	32.200	5.100
13.700	3.305	19.900	4.235	26.100	5.020	32.300	5.100
13.800	3.320	20.000	4.250	26.200	5.020	32.400	5.100
13.900	3.335	20.100	4.265	26.300	5.020	32.500	5.100
14.000	3.350	20.200	4.280	26.400	5.020	32.600	5.100
14.100	3.365	20.300	4.295	26.500	5.020	32.700	5.100
14.200	3.380	20.400	4.310	26.600	5.020	32.800	5.100
14.300	3.395	20.500	4.325	26.700	5.020	32.900	5.100
14.400	3.410	20.600	4.340	26.800	5.020	33.000	5.100
14.500	3.425	20.700	4.355	26.900	5.020	33.100	5.100
14.600	3.440	20.800	4.370	27.000	5.040	33.200	5.100
14.700	3.455	20.900	4.385	27.100	5.040	33.300	5.100
14.800	3.470	21.000	4.400	27.200	5.040	33.400	5.100
14.900	3.485	21.100	4.415	27.300	5.040	33.500	5.100
15.000	3.500	21.200	4.430	27.400	5.040	33.600	5.100
15.100	3.515	21.300	4.445	27.500	5.040	33.700	5.100
15.200	3.530	21.400	4.460	27.600	5.040	33.800	5.100
15.300	3.545	21.500	4.475	27.700	5.040	33.900	5.100
15.400	3.560	21.600	4.490	27.800	5.040	34.000	5.100
15.500	3.575	21.700	4.505	27.900	5.040	34.100	5.100
15.600	3.590	21.800	4.520	28.000	5.060	34.200	5.100
15.700	3.605	21.900	4.535	28.100	5.060	34.300	5.100
15.800	3.620	22.000	4.550	28.200	5.060	34.400	5.100
15.900	3.635	22.100	4.565	28.300	5.060	34.500	5.100
16.000	3.650	22.200	4.580	28.400	5.060	34.600	5.100
16.100	3.665	22.300	4.595	28.500	5.060	34.700	5.100

API Gravity	DIFF. PER BBL	API Gravity	DIFF. PER BBL	API Gravity	DIFF. PER BBL	API Gravity	DIFF. PER BBL
34.800	5.100	40.100	4.335	45.400	3.540	50.700	2.745
34.900	5.100	40.200	4.320	45.500	3.525	50.800	2.730
35.000	5.100	40.300	4.305	45.600	3.510	50.900	2.715
35.100	5.085	40.400	4.290	45.700	3.495	51.000	2.700
35.200	5.070	40.500	4.275	45.800	3.480	51.100	2.685
35.300	5.055	40.600	4.260	45.900	3.465	51.200	2.670
35.400	5.040	40.700	4.245	46.000	3.450	51.300	2.655
35.500	5.025	40.800	4.230	46.100	3.435	51.400	2.640
35.600	5.010	40.900	4.215	46.200	3.420	51.500	2.625
35.700	4.995	41.000	4.200	46.300	3.405	51.600	2.610
35.800	4.980	41.100	4.185	46.400	3.390	51.700	2.595
35.900	4.965	41.200	4.170	46.500	3.375	51.800	2.580
36.000	4.950	41.300	4.155	46.600	3.360	51.900	2.565
36.100	4.935	41.400	4.140	46.700	3.345	52.000	2.550
36.200	4.920	41.500	4.125	46.800	3.330	52.100	2.535
36.300	4.905	41.600	4.110	46.900	3.315		
36.400	4.890	41.700	4.095	47.000	3.300	52.200	2.520
36.500	4.875	41.800	4.080	47.100	3.285	52.300	2.505
36.600	4.860	41.900	4.065	47.200	3.270	52.400	2.490
36.700	4.845	42.000	4.050	47.300	3.255	52.500	2.475
36.800	4.830	42.100	4.035	47.400	3.240	52.600	2.460
36.900	4.815	42.200	4.020	47.500	3.225	52.700	2.445
37.000	4.800	42.300	4.005	47.600	3.210	52.800	2.430
37.100	4.785	42.400	3.990	47.700	3.195	52.900	2.415
37.200	4.770	42.500	3.975	47.800	3.180	53.000	2.400
37.300	4.755	42.600	3.960	47.900	3.165	53.100	2.385
37.400	4.740	42.700	3.945	48.000	3.150	53.200	2.370
37.500	4.725	42.800	3.930	48.100	3.135	53.300	2.355
37.600	4.710	42.900	3.915	48.200	3.120	53.400	2.340
37.700	4.695	43.000	3.900	48.300	3.105	53.500	2.325
37.800	4.680	43.100	3.885	48.400	3.090	53.600	2.310
37.900	4.665	43.200	3.870	48.500	3.075	53.700	2.295
38.000	4.650	43.300	3.855	48.600	3.060	53.800	2.280
38.100	4.635	43.400	3.840	48.700	3.045	53.900	2.265
38.200	4.620	43.500	3.825	48.800	3.030	54.000	2.250
38.300	4.605	43.600	3.810	48.900	3.015	54.100	2.235
38.400	4.590	43.700	3.795	49.000	3.000	54.200	2.220
38.500	4.575	43.800	3.780	49.100	2.985	54.300	2.205
38.600	4.560	43.900	3.765	49.200	2.970	54.400	2.190
38.700	4.545	44.000	3.750	49.300	2.955	54.500	2.175
38.800	4.530	44.100	3.735	49.400	2.940	54.600	2.160
38.900	4.515	44.200	3.720	49.500	2.925	54.700	2.145
39.000	4.500	44.300	3.705	49.600	2.910	54.800	2.130
39.100	4.485	44.400	3.690	49.700	2.895	54.900	2.115
39.200	4.470	44.500	3.675	49.800	2.880	55.000	2.100
39.300	4.455	44.600	3.660	49.900	2.865		
39.400	4.440	44.700	3.645	50.000	2.850		
39.500	4.425	44.800	3.630	50.100	2.835		
39.600	4.410	44.900	3.615	50.200	2.820		
39.700	4.395	45.000	3.600	50.300	2.805		
39.800	4.380	45.100	3.585	50.400	2.790		
39.900	4.365	45.200	3.570	50.500	2.775		
40.000	4.350	45.300	3.555	50.600	2.760		

For API gravity values above 55.0°API the differential continues to decline 0.015/bbl. per 0.1°API gravity.

EXHIBIT "B"
ADJUSTMENT AUTHORIZATION

TABLES OF DIFFERENTIALS FOR USE IN DETERMINING ADJUSTMENTS FOR
 DIFFERENCE IN SULFUR CONTENT OF CRUDE PETROLEUM

PERCENT SULFUR	DIFF. PER BBL	PERCENT SULFUR	DIFF. PER BBL	PERCENT SULFUR	DIFF. PER BBL	PERCENT SULFUR	DIFF. PER BBL	PERCENT SULFUR	DIFF. PER BBL
0.00	1.000	0.60	1.600	1.20	2.200	1.80	2.800	2.40	3.400
0.01	1.010	0.61	1.610	1.21	2.210	1.81	2.810	2.41	3.410
0.02	1.020	0.62	1.620	1.22	2.220	1.82	2.820	2.42	3.420
0.03	1.030	0.63	1.630	1.23	2.230	1.83	2.830	2.43	3.430
0.04	1.040	0.64	1.640	1.24	2.240	1.84	2.840	2.44	3.440
0.05	1.050	0.65	1.650	1.25	2.250	1.85	2.850	2.45	3.450
0.06	1.060	0.66	1.660	1.26	2.260	1.86	2.860	2.46	3.460
0.07	1.070	0.67	1.670	1.27	2.270	1.87	2.870	2.47	3.470
0.08	1.080	0.68	1.680	1.28	2.280	1.88	2.880	2.48	3.480
0.09	1.090	0.69	1.690	1.29	2.290	1.89	2.890	2.49	3.490
0.10	1.100	0.70	1.700	1.30	2.300	1.90	2.900	2.50	3.500
0.11	1.110	0.71	1.710	1.31	2.310	1.91	2.910	2.51	3.510
0.12	1.120	0.72	1.720	1.32	2.320	1.92	2.920	2.52	3.520
0.13	1.130	0.73	1.730	1.33	2.330	1.93	2.930	2.53	3.530
0.14	1.140	0.74	1.740	1.34	2.340	1.94	2.940	2.54	3.540
0.15	1.150	0.75	1.750	1.35	2.350	1.95	2.950	2.55	3.550
0.16	1.160	0.76	1.760	1.36	2.360	1.96	2.960	2.56	3.560
0.17	1.170	0.77	1.770	1.37	2.370	1.97	2.970	2.57	3.570
0.18	1.180	0.78	1.780	1.38	2.380	1.98	2.980	2.58	3.580
0.19	1.190	0.79	1.790	1.39	2.390	1.99	2.990	2.59	3.590
0.20	1.200	0.80	1.800	1.40	2.400	2.00	3.000	2.60	3.600
0.21	1.210	0.81	1.810	1.41	2.410	2.01	3.010	2.61	3.610
0.22	1.220	0.82	1.820	1.42	2.420	2.02	3.020	2.62	3.620
0.23	1.230	0.83	1.830	1.43	2.430	2.03	3.030	2.63	3.630
0.24	1.240	0.84	1.840	1.44	2.440	2.04	3.040	2.64	3.640
0.25	1.250	0.85	1.850	1.45	2.450	2.05	3.050	2.65	3.650
0.26	1.260	0.86	1.860	1.46	2.460	2.06	3.060	2.66	3.660
0.27	1.270	0.87	1.870	1.47	2.470	2.07	3.070	2.67	3.670
0.28	1.280	0.88	1.880	1.48	2.480	2.08	3.080	2.68	3.680
0.29	1.290	0.89	1.890	1.49	2.490	2.09	3.090	2.69	3.690
0.30	1.300	0.90	1.900	1.50	2.500	2.10	3.100	2.70	3.700
0.31	1.310	0.91	1.910	1.51	2.510	2.11	3.110	2.71	3.710
0.32	1.320	0.92	1.920	1.52	2.520	2.12	3.120	2.72	3.720
0.33	1.330	0.93	1.930	1.53	2.530	2.13	3.130	2.73	3.730
0.34	1.340	0.94	1.940	1.54	2.540	2.14	3.140	2.74	3.740
0.35	1.350	0.95	1.950	1.55	2.550	2.15	3.150	2.75	3.750
0.36	1.360	0.96	1.960	1.56	2.560	2.16	3.160	2.76	3.760
0.37	1.370	0.97	1.970	1.57	2.570	2.17	3.170	2.77	3.770
0.38	1.380	0.98	1.980	1.58	2.580	2.18	3.180	2.78	3.780
0.39	1.390	0.99	1.990	1.59	2.590	2.19	3.190	2.79	3.790
0.40	1.400	1.00	2.000	1.60	2.600	2.20	3.200	2.80	3.800
0.41	1.410	1.01	2.010	1.61	2.610	2.21	3.210	2.81	3.810
0.42	1.420	1.02	2.020	1.62	2.620	2.22	3.220	2.82	3.820
0.43	1.430	1.03	2.030	1.63	2.630	2.23	3.230	2.83	3.830
0.44	1.440	1.04	2.040	1.64	2.640	2.24	3.240	2.84	3.840
0.45	1.450	1.05	2.050	1.65	2.650	2.25	3.250	2.85	3.850
0.46	1.460	1.06	2.060	1.66	2.660	2.26	3.260	2.86	3.860
0.47	1.470	1.07	2.070	1.67	2.670	2.27	3.270	2.87	3.870
0.48	1.480	1.08	2.080	1.68	2.680	2.28	3.280	2.88	3.880
0.49	1.490	1.09	2.090	1.69	2.690	2.29	3.290	2.89	3.890
0.50	1.500	1.10	2.100	1.70	2.700	2.30	3.300	2.90	3.900
0.51	1.510	1.11	2.110	1.71	2.710	2.31	3.310	2.91	3.910
0.52	1.520	1.12	2.120	1.72	2.720	2.32	3.320	2.92	3.920
0.53	1.530	1.13	2.130	1.73	2.730	2.33	3.330	2.93	3.930
0.54	1.540	1.14	2.140	1.74	2.740	2.34	3.340	2.94	3.940
0.55	1.550	1.15	2.150	1.75	2.750	2.35	3.350	2.95	3.950
0.56	1.560	1.16	2.160	1.76	2.760	2.36	3.360	2.96	3.960
0.57	1.570	1.17	2.170	1.77	2.770	2.37	3.370	2.97	3.970
0.58	1.580	1.18	2.180	1.78	2.780	2.38	3.380	2.98	3.980
0.59	1.590	1.19	2.190	1.79	2.790	2.39	3.390	2.99	3.990

**EXHIBIT "B" CONT. ADJUSTMENT
 AUTHORIZATION**

TABLES OF DIFFERENTIALS FOR USE IN DETERMINING ADJUSTMENTS FOR
 DIFFERENCE IN SULFUR CONTENT OF CRUDE PETROLEUM

PERCENT SULFUR	DIFF. PER BBL	PERCENT SULFUR	DIFF. PER BBL
3.00	4.000	3.60	4.600
3.01	4.010	3.61	4.610
3.02	4.020	3.62	4.620
3.03	4.030	3.63	4.630
3.04	4.040	3.64	4.640
3.05	4.050	3.65	4.650
3.06	4.060	3.66	4.660
3.07	4.070	3.67	4.670
3.08	4.080	3.68	4.680
3.09	4.090	3.69	4.690
3.10	4.100	3.70	4.700
3.11	4.110	3.71	4.710
3.12	4.120	3.72	4.720
3.13	4.130	3.73	4.730
3.14	4.140	3.74	4.740
3.15	4.150	3.75	4.750
3.16	4.160	3.76	4.760
3.17	4.170	3.77	4.770
3.18	4.180	3.78	4.780
3.19	4.190	3.79	4.790
3.20	4.200	3.80	4.800
3.21	4.210	3.81	4.810
3.22	4.220	3.82	4.820
3.23	4.230	3.83	4.830
3.24	4.240	3.84	4.840
3.25	4.250	3.85	4.850
3.26	4.260	3.86	4.860
3.27	4.270	3.87	4.870
3.28	4.280	3.88	4.880
3.29	4.290	3.89	4.890
3.30	4.300	3.90	4.900
3.31	4.310	3.91	4.910
3.32	4.320	3.92	4.920
3.33	4.330	3.93	4.930
3.34	4.340	3.94	4.940
3.35	4.350	3.95	4.950
3.36	4.360	3.96	4.960
3.37	4.370	3.97	4.970
3.38	4.380	3.98	4.980
3.39	4.390	3.99	4.990
3.40	4.400	4.00	5.000
3.41	4.410		
3.42	4.420	For Sulfur Values above 4.00%, the differential continues to increase 0.01/BBL per 0.01 Percent Sulfur	
3.43	4.430		
3.44	4.440		
3.45	4.450		
3.46	4.460		
3.47	4.470		
3.48	4.480		
3.49	4.490		
3.50	4.500		
3.51	4.510		
3.52	4.520		
3.53	4.530		
3.54	4.540		
3.55	4.550		
3.56	4.560		
3.57	4.570		
3.58	4.580		
3.59	4.590		

EXHIBIT "C"
ADJUSTMENT AUTHORIZATION

RATIO FACTORS FOR SULFUR ADJUSTMENT
WEIGHT OF CRUDE BY GRAVITY TO REFERENCE BASE OF 35.5°API GRAVITY

API GRAVITY	RATIO TO 35.5°WT.	API GRAVITY	RATIO TO 35.5°WT.	API GRAVITY	RATIO TO 35.5°WT.	API GRAVITY	RATIO TO 35.5°WT.	API GRAVITY	RATIO TO 35.5°WT.	API GRAVITY	RATIO TO 35.5°WT.
10.0	1.18044	16.0	1.13239	22.0	1.08802	28.0	1.04706	34.0	1.00907	40.0	0.97378
10.1	1.17959	16.1	1.13168	22.1	1.08731	28.1	1.04649	34.1	1.00850	40.1	0.97321
10.2	1.17888	16.2	1.13083	22.2	1.08661	28.2	1.04578	34.2	1.00780	40.2	0.97264
10.3	1.17803	16.3	1.13012	22.3	1.08590	28.3	1.04507	34.3	1.00723	40.3	0.97208
10.4	1.17718	16.4	1.12927	22.4	1.08519	28.4	1.04451	34.4	1.00666	40.4	0.97151
10.5	1.17633	16.5	1.12856	22.5	1.08448	28.5	1.04380	34.5	1.00609	40.5	0.97094
10.6	1.17548	16.6	1.12785	22.6	1.08377	28.6	1.04323	34.6	1.00539	40.6	0.97038
10.7	1.17463	16.7	1.12700	22.7	1.08320	28.7	1.04252	34.7	1.00482	40.7	0.96981
10.8	1.17378	16.8	1.12629	22.8	1.08249	28.8	1.04181	34.8	1.00425	40.8	0.96924
10.9	1.17307	16.9	1.12558	22.9	1.08179	28.9	1.04125	34.9	1.00369	40.9	0.96867
11.0	1.17222	17.0	1.12473	23.0	1.08108	29.0	1.04054	35.0	1.00298	41.0	0.96811
11.1	1.17137	17.1	1.12403	23.1	1.08037	29.1	1.03997	35.1	1.00241	41.1	0.96754
11.2	1.17052	17.2	1.12332	23.2	1.07966	29.2	1.03926	35.2	1.00184	41.2	0.96697
11.3	1.16967	17.3	1.12247	23.3	1.07895	29.3	1.03855	35.3	1.00128	41.3	0.96641
11.4	1.16896	17.4	1.12176	23.4	1.07824	29.4	1.03799	35.4	1.00057	41.4	0.96584
11.5	1.16811	17.5	1.12105	23.5	1.07753	29.5	1.03728	35.5	1.00000	41.5	0.96527
11.6	1.16726	17.6	1.12020	23.6	1.07682	29.6	1.03671	35.6	0.99943	41.6	0.96471
11.7	1.16641	17.7	1.11949	23.7	1.07612	29.7	1.03600	35.7	0.99887	41.7	0.96414
11.8	1.16570	17.8	1.11878	23.8	1.07541	29.8	1.03544	35.8	0.99816	41.8	0.96357
11.9	1.16485	17.9	1.11793	23.9	1.07470	29.9	1.03473	35.9	0.99759	41.9	0.96300
12.0	1.16400	18.0	1.11722	24.0	1.07413	30.0	1.03416	36.0	0.99702	42.0	0.96244
12.1	1.16315	18.1	1.11651	24.1	1.07342	30.1	1.03345	36.1	0.99646	42.1	0.96187
12.2	1.16244	18.2	1.11580	24.2	1.07271	30.2	1.03288	36.2	0.99589	42.2	0.96145
12.3	1.16159	18.3	1.11495	24.3	1.07201	30.3	1.03218	36.3	0.99518	42.3	0.96088
12.4	1.16074	18.4	1.11425	24.4	1.07130	30.4	1.03161	36.4	0.99461	42.4	0.96031
12.5	1.16003	18.5	1.11354	24.5	1.07059	30.5	1.03090	36.5	0.99405	42.5	0.95974
12.6	1.15918	18.6	1.11283	24.6	1.06988	30.6	1.03033	36.6	0.99348	42.6	0.95918
12.7	1.15833	18.7	1.11198	24.7	1.06931	30.7	1.02962	36.7	0.99291	42.7	0.95861
12.8	1.15748	18.8	1.11127	24.8	1.06860	30.8	1.02906	36.8	0.99220	42.8	0.95804
12.9	1.15677	18.9	1.11056	24.9	1.06790	30.9	1.02835	36.9	0.99164	42.9	0.95748
13.0	1.15592	19.0	1.10985	25.0	1.06719	31.0	1.02778	37.0	0.99107	43.0	0.95691
13.1	1.15521	19.1	1.10900	25.1	1.06648	31.1	1.02707	37.1	0.99050	43.1	0.95648
13.2	1.15436	19.2	1.10829	25.2	1.06577	31.2	1.02651	37.2	0.98994	43.2	0.95592
13.3	1.15351	19.3	1.10758	25.3	1.06520	31.3	1.02580	37.3	0.98937	43.3	0.95535
13.4	1.15280	19.4	1.10687	25.4	1.06449	31.4	1.02523	37.4	0.98880	43.4	0.95478
13.5	1.15195	19.5	1.10617	25.5	1.06378	31.5	1.02452	37.5	0.98809	43.5	0.95422
13.6	1.15110	19.6	1.10532	25.6	1.06308	31.6	1.02395	37.6	0.98753	43.6	0.95365
13.7	1.15039	19.7	1.10461	25.7	1.06251	31.7	1.02339	37.7	0.98696	43.7	0.95308
13.8	1.14954	19.8	1.10390	25.8	1.06180	31.8	1.02268	37.8	0.98639	43.8	0.95266
13.9	1.14883	19.9	1.10319	25.9	1.06109	31.9	1.02211	37.9	0.98583	43.9	0.95209
14.0	1.14798	20.0	1.10248	26.0	1.06038	32.0	1.02140	38.0	0.98526	44.0	0.95152
14.1	1.14713	20.1	1.10177	26.1	1.05967	32.1	1.02084	38.1	0.98469	44.1	0.95096
14.2	1.14642	20.2	1.10106	26.2	1.05911	32.2	1.02013	38.2	0.98412	44.2	0.95039
14.3	1.14557	20.3	1.10021	26.3	1.05840	32.3	1.01956	38.3	0.98356	44.3	0.94982
14.4	1.14486	20.4	1.09950	26.4	1.05769	32.4	1.01899	38.4	0.98285	44.4	0.94940
14.5	1.14401	20.5	1.09880	26.5	1.05698	32.5	1.01828	38.5	0.98228	44.5	0.94883
14.6	1.14330	20.6	1.09809	26.6	1.05641	32.6	1.01772	38.6	0.98172	44.6	0.94826
14.7	1.14245	20.7	1.09738	26.7	1.05571	32.7	1.01715	38.7	0.98115	44.7	0.94770
14.8	1.14174	20.8	1.09667	26.8	1.05500	32.8	1.01644	38.8	0.98058	44.8	0.94713
14.9	1.14089	20.9	1.09596	26.9	1.05443	32.9	1.01588	38.9	0.98001	44.9	0.94670
15.0	1.14018	21.0	1.09525	27.0	1.05372	33.0	1.01517	39.0	0.97945	45.0	0.94614
15.1	1.13933	21.1	1.09454	27.1	1.05301	33.1	1.01460	39.1	0.97888	45.1	0.94557
15.2	1.13863	21.2	1.09383	27.2	1.05245	33.2	1.01403	39.2	0.97831	45.2	0.94500
15.3	1.13777	21.3	1.09313	27.3	1.05174	33.3	1.01332	39.3	0.97775	45.3	0.94444
15.4	1.13707	21.4	1.09242	27.4	1.05103	33.4	1.01276	39.4	0.97718	45.4	0.94401
15.5	1.13622	21.5	1.09171	27.5	1.05046	33.5	1.01219	39.5	0.97661	45.5	0.94344
15.6	1.13551	21.6	1.09086	27.6	1.04975	33.6	1.01148	39.6	0.97605	45.6	0.94288
15.7	1.13466	21.7	1.09015	27.7	1.04904	33.7	1.01091	39.7	0.97548	45.7	0.94231
15.8	1.13395	21.8	1.08944	27.8	1.04848	33.8	1.01035	39.8	0.97491	45.8	0.94189
15.9	1.13324	21.9	1.08873	27.9	1.04777	33.9	1.00964	39.9	0.97434	45.9	0.94132

EXHIBIT "C" CONT.
ADJUSTMENT AUTHORIZATION

RATIO FACTORS FOR SULFUR ADJUSTMENT
WEIGHT OF CRUDE BY GRAVITY TO REFERENCE BASE OF 35.5°API GRAVITY

API GRAVITY	RATIO TO 35.5°WT.	API GRAVITY	RATIO TO 35.5°WT.	API GRAVITY	RATIO TO 35.5°WT.	API GRAVITY	RATIO TO 35.5°WT.	API GRAVITY	RATIO TO 35.5°WT.
46.0	0.94075	52.0	0.90999	58.0	0.88108	64.0	0.85400	70.0	0.82849
46.1	0.94018	52.1	0.90943	58.1	0.88085	64.1	0.85358	70.1	0.82807
46.2	0.93976	52.2	0.90900	58.2	0.88009	64.2	0.85315	70.2	0.82764
46.3	0.93919	52.3	0.90843	58.3	0.87966	64.3	0.85273	70.3	0.82721
46.4	0.93863	52.4	0.90801	58.4	0.87923	64.4	0.85230	70.4	0.82679
46.5	0.93806	52.5	0.90744	58.5	0.87867	64.5	0.85188	70.5	0.82651
46.6	0.93763	52.6	0.90702	58.6	0.87824	64.6	0.85145	70.6	0.82608
46.7	0.93707	52.7	0.90645	58.7	0.87782	64.7	0.85103	70.7	0.82566
46.8	0.93650	52.8	0.90602	58.8	0.87739	64.8	0.85046	70.8	0.82537
46.9	0.93607	52.9	0.90546	58.9	0.87697	64.9	0.85004	70.9	0.82495
47.0	0.93551	53.0	0.90503	59.0	0.87654	65.0	0.84961	71.0	0.82452
47.1	0.93494	53.1	0.90446	59.1	0.87597	65.1	0.84918	71.1	0.82410
47.2	0.93437	53.2	0.90404	59.2	0.87555	65.2	0.84876	71.2	0.82367
47.3	0.93395	53.3	0.90361	59.3	0.87512	65.3	0.84833	71.3	0.82325
47.4	0.93338	53.4	0.90305	59.4	0.87456	65.4	0.84791	71.4	0.82282
47.5	0.93281	53.5	0.90262	59.5	0.87413	65.5	0.84746	71.5	0.82240
47.6	0.93239	53.6	0.90206	59.6	0.87371	65.6	0.84706	71.6	0.82197
47.7	0.93182	53.7	0.90163	59.7	0.87328	65.7	0.84663	71.7	0.82155
47.8	0.93125	53.8	0.90106	59.8	0.87286	65.8	0.84621	71.8	0.82112
47.9	0.93083	53.9	0.90064	59.9	0.87229	65.9	0.84578	71.9	0.82084
48.0	0.93026	54.0	0.90007	60.0	0.87186	66.0	0.84536	72.0	0.82041
48.1	0.92970	54.1	0.89965	60.1	0.87144	66.1	0.84493	72.1	0.81999
48.2	0.92927	54.2	0.89922	60.2	0.87087	66.2	0.84451	72.2	0.81956
48.3	0.92870	54.3	0.89865	60.3	0.87045	66.3	0.84408	72.3	0.81914
48.4	0.92814	54.4	0.89823	60.4	0.87002	66.4	0.84366	72.4	0.81871
48.5	0.92771	54.5	0.89766	60.5	0.86960	66.5	0.84323	72.5	0.81828
48.6	0.92714	54.6	0.89724	60.6	0.86917	66.6	0.84281	72.6	0.81800
48.7	0.92672	54.7	0.89681	60.7	0.86875	66.7	0.84238	72.7	0.81758
48.8	0.92615	54.8	0.89624	60.8	0.86818	66.8	0.84196	72.8	0.81715
48.9	0.92558	54.9	0.89582	60.9	0.86775	66.9	0.84153	72.9	0.81673
49.0	0.92516	55.0	0.89525	61.0	0.86733	67.0	0.84111	73.0	0.81630
49.1	0.92459	55.1	0.89483	61.1	0.86690	67.1	0.84068	73.1	0.81602
49.2	0.92403	55.2	0.89440	61.2	0.86648	67.2	0.84026	73.2	0.81559
49.3	0.92360	55.3	0.89383	61.3	0.86591	67.3	0.83983	73.3	0.81517
49.4	0.92303	55.4	0.89341	61.4	0.86549	67.4	0.83940	73.4	0.81474
49.5	0.92261	55.5	0.89525	61.5	0.86506	67.5	0.83898	73.5	0.81432
49.6	0.92204	55.6	0.89242	61.6	0.86464	67.6	0.83855	73.6	0.81403
49.7	0.92147	55.7	0.89199	61.7	0.86421	67.7	0.83813	73.7	0.81361
49.8	0.92105	55.8	0.89157	61.8	0.86378	67.8	0.83770	73.8	0.81318
49.9	0.92048	55.9	0.89114	61.9	0.86322	67.9	0.83728	73.9	0.81276
50.0	0.92006	56.0	0.89057	62.0	0.86279	68.0	0.83685	74.0	0.81233
50.1	0.91949	56.1	0.89015	62.1	0.86237	68.1	0.83643	74.1	0.81191
50.2	0.91892	56.2	0.88958	62.2	0.86194	68.2	0.83600	74.2	0.81162
50.3	0.91850	56.3	0.88916	62.3	0.86152	68.3	0.83558	74.3	0.81120
50.4	0.91793	56.4	0.88873	62.4	0.86109	68.4	0.83515	74.4	0.81077
50.5	0.91751	56.5	0.88816	62.5	0.86067	68.5	0.83473	74.5	0.81049
50.6	0.91694	56.6	0.88774	62.6	0.86010	68.6	0.83430	74.6	0.81006
50.7	0.91651	56.7	0.88717	62.7	0.85967	68.7	0.83388	74.7	0.80964
50.8	0.91595	56.8	0.88675	62.8	0.85925	68.8	0.83345	74.8	0.80921
50.9	0.91552	56.9	0.88632	62.9	0.85882	68.9	0.83303	74.9	0.80879
51.0	0.91495	57.0	0.88575	63.0	0.85840	69.0	0.83260		
51.1	0.91439	57.1	0.88533	63.1	0.85797	69.1	0.83218		
51.2	0.91396	57.2	0.88490	63.2	0.85755	69.2	0.83175		
51.3	0.91339	57.3	0.88448	63.3	0.85712	69.3	0.83147		
51.4	0.91297	57.4	0.88391	63.4	0.85670	69.4	0.83104		
51.5	0.91240	57.5	0.88349	63.5	0.85613	69.5	0.83062		
51.6	0.91198	57.6	0.88292	63.6	0.85571	69.6	0.83019		
51.7	0.91141	57.7	0.88249	63.7	0.85528	69.7	0.82977		
51.8	0.91099	57.8	0.88207	63.8	0.85485	69.8	0.82934		
51.9	0.91042	57.9	0.88150	63.9	0.85443	69.9	0.82892		

EXHIBIT "D"

SAMPLE QUALITY BANK CALCULATION

SHIPPER	BBL'D RECEIVED	Tested % SULFUR	API GRAVITY	EXHIBIT C RATIO TO 35.5 WT.	Adjusted % SULFUR	EXHIBIT B SULFUR DIFF	EXHIBIT A GRAVITY DIFF	BBLS REC'D x SULFUR DIFF	BBLS REC'D x GRAV DIFF
A	155,000.00	0.20	45.0	0.94614	0.19	\$ 1.19	\$ 3.60	\$ 184,450.00	\$ 558,000.00
B	165,341.60	0.30	36.0	0.99702	0.30	\$ 1.30	\$ 4.95	\$ 214,944.08	\$ 818,440.92
C	82,658.40	0.40	30.0	1.03416	0.41	\$ 1.41	\$ 5.10	\$ 116,548.34	\$ 421,557.84
	403,000.00							\$ 515,942.42	\$ 1,797,998.76

COMMON STREAM WEIGHTED AVERAGE GRAVITY VALUE:
 COMMON STREAM WEIGHTED AVERAGE SULFUR VALUE:

\$1,797,998.76/403,000 = \$4.461535385
 \$515,942.42/403,000 = \$1.280254154

SHIPPER A

WEIGHTED AVERAGE GRAVITY VALUE: $\$558,000/155,000 =$ \$3.60
 CALCULATION: $(4.461535385 - 3.60) \times 155,000 =$ 133,537.98
 WEIGHTED AVERAGE SULFUR VALUE: $\$184,450.00/155,000 =$ \$1.19
 CALCULATION: $(1.19 - 1.280254154) \times 155,000 =$ (13,989.39)
 CURRENT MONTH QUALITY BANK AMOUNT (to be debited to Shipper A) 119,548.59

SHIPPER B

WEIGHTED AVERAGE GRAVITY VALUE: $\$818,440.92/165,341.60 =$ \$4.95
 CALCULATION: $(4.461535385 - 4.95) \times 165,341.60 =$ (80,763.52)
 WEIGHTED AVERAGE SULFUR VALUE: $\$213,290.66/165,341.60 =$ \$1.30
 CALCULATION: $(1.30 - 1.280254154) \times 165,341.60 =$ 3,264.81
 CURRENT MONTH QUALITY BANK AMOUNT (To be credited to Shipper B) (77,498.71)

SHIPPER C

WEIGHTED AVERAGE GRAVITY VALUE: $\$421,557.84/82,658.40 =$ \$5.10
 CALCULATION: $(4.461535385 - 5.10) \times 82,658.40 =$ (52,774.46)
 WEIGHTED AVERAGE SULFUR VALUE: $\$115,721.76/82,658.40 =$ \$1.41
 CALCULATION: $(1.41 - 1.280254154) \times 82,658.40 =$ 10,724.58
 CURRENT MONTH QUALITY BANK AMOUNT (To be credited to Shipper C) (42,049.88)

BANK SUM \$0.00