
CRIMSON GULF, LLC

QUALITY BANK TARIFF

GENERAL APPLICATION

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

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

ISSUED: May 18, 2012

EFFECTIVE: June 1, 2012

Issued By:
L.W. Alexander
President
Crimson Gulf, LLC
2459 Redondo Avenue
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

5 Capitalized terms used but not defined in these rules shall have the same meaning as set forth in Crimson Gulf, LLC's Tariff No. 20.1 dated May 8, 2012, supplements thereto, or successive issues thereof.

10 Shippers will be required, as a condition of tendering, to participate in a Gravity and Sulfur Bank as set forth herein.

15 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.

20 The Weighted Average Gravity Differential Value per Barrel (for two or more API 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 by the total of the applicable Barrels.

25 Applicable Barrels and API Gravities shall be the Net Standard Volume and the API Gravities (rounded to the nearest 0.1° API) recorded by the Carrier at points where it customarily records API Gravities and quantities.

30 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.

35 Applicable Barrels and sulfur content shall be the Net Standard Barrels and the sulfur content (rounded to the nearest one-hundredth of one percent (0.01%)) recorded by a competent laboratory for samples obtained by Carrier at points where it customarily measures and samples receipts for custody transfer.

40 Sulfur content as furnished by the laboratory at the true API Gravity shall be adjusted to reflect its comparison to the reference Crude Petroleum at 35.5° API Gravity. The adjustment to the test sulfur content shall be made by establishing a ratio of weight per gallon for the API Gravity of the sample (rounded to the nearest one-hundredth of one percent (0.01%)) to weight per gallon for the API Gravity of the reference Crude Petroleum of 35.5° API Gravity. The table of ratio factors for sulfur adjustments is attached hereto as Exhibit "C" and made a part of these rules.

45 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").

55 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.
Compute the Weighted Average Sulfur Differential Value per Barrel of the composite Common Stream receipts.
- III.
 - 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 shall be debited for such difference.
- IV.
 - 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 number of Barrels received from such Shipper.
 - 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.

60 A sample calculation is attached as Exhibit "D".

65 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 Bank within fifteen (15) days from receipt of statement of such debit. If Shipper shall have a credit, the Bank 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 |
|-------------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|
| 10.0 | 1.250 | 16.0 | 2.150 | 22.0 | 3.050 | 28.0 | 3.950 |
| 10.1 | 1.265 | 16.1 | 2.165 | 22.1 | 3.065 | 28.1 | 3.965 |
| 10.2 | 1.280 | 16.2 | 2.180 | 22.2 | 3.080 | 28.2 | 3.980 |
| 10.3 | 1.295 | 16.3 | 2.195 | 22.3 | 3.095 | 28.3 | 3.995 |
| 10.4 | 1.310 | 16.4 | 2.210 | 22.4 | 3.110 | 28.4 | 4.010 |
| 10.5 | 1.325 | 16.5 | 2.225 | 22.5 | 3.125 | 28.5 | 4.025 |
| 10.6 | 1.340 | 16.6 | 2.240 | 22.6 | 3.140 | 28.6 | 4.040 |
| 10.7 | 1.355 | 16.7 | 2.255 | 22.7 | 3.155 | 28.7 | 4.055 |
| 10.8 | 1.370 | 16.8 | 2.270 | 22.8 | 3.170 | 28.8 | 4.070 |
| 10.9 | 1.385 | 16.9 | 2.285 | 22.9 | 3.185 | 28.9 | 4.085 |
| 11.0 | 1.400 | 17.0 | 2.300 | 23.0 | 3.200 | 29.0 | 4.100 |
| 11.1 | 1.415 | 17.1 | 2.315 | 23.1 | 3.215 | 29.1 | 4.115 |
| 11.2 | 1.430 | 17.2 | 2.330 | 23.2 | 3.230 | 29.2 | 4.130 |
| 11.3 | 1.445 | 17.3 | 2.345 | 23.3 | 3.245 | 29.3 | 4.145 |
| 11.4 | 1.460 | 17.4 | 2.360 | 23.4 | 3.260 | 29.4 | 4.160 |
| 11.5 | 1.475 | 17.5 | 2.375 | 23.5 | 3.275 | 29.5 | 4.175 |
| 11.6 | 1.490 | 17.6 | 2.390 | 23.6 | 3.290 | 29.6 | 4.190 |
| 11.7 | 1.505 | 17.7 | 2.405 | 23.7 | 3.305 | 29.7 | 4.205 |
| 11.8 | 1.520 | 17.8 | 2.420 | 23.8 | 3.320 | 29.8 | 4.220 |
| 11.9 | 1.535 | 17.9 | 2.435 | 23.9 | 3.335 | 29.9 | 4.235 |
| 12.0 | 1.550 | 18.0 | 2.450 | 24.0 | 3.350 | 30.0 | 4.250 |
| 12.1 | 1.565 | 18.1 | 2.465 | 24.1 | 3.365 | 30.1 | 4.265 |
| 12.2 | 1.580 | 18.2 | 2.480 | 24.2 | 3.380 | 30.2 | 4.280 |
| 12.3 | 1.595 | 18.3 | 2.495 | 24.3 | 3.395 | 30.3 | 4.295 |
| 12.4 | 1.610 | 18.4 | 2.510 | 24.4 | 3.410 | 30.4 | 4.310 |
| 12.5 | 1.625 | 18.5 | 2.525 | 24.5 | 3.425 | 30.5 | 4.325 |
| 12.6 | 1.640 | 18.6 | 2.540 | 24.6 | 3.440 | 30.6 | 4.340 |
| 12.7 | 1.655 | 18.7 | 2.555 | 24.7 | 3.455 | 30.7 | 4.355 |
| 12.8 | 1.670 | 18.8 | 2.570 | 24.8 | 3.470 | 30.8 | 4.370 |
| 12.9 | 1.685 | 18.9 | 2.585 | 24.9 | 3.485 | 30.9 | 4.385 |
| 13.0 | 1.700 | 19.0 | 2.600 | 25.0 | 3.500 | 31.0 | 4.400 |
| 13.1 | 1.715 | 19.1 | 2.615 | 25.1 | 3.515 | 31.1 | 4.415 |
| 13.2 | 1.730 | 19.2 | 2.630 | 25.2 | 3.530 | 31.2 | 4.430 |
| 13.3 | 1.745 | 19.3 | 2.645 | 25.3 | 3.545 | 31.3 | 4.445 |
| 13.4 | 1.760 | 19.4 | 2.660 | 25.4 | 3.560 | 31.4 | 4.460 |
| 13.5 | 1.775 | 19.5 | 2.675 | 25.5 | 3.575 | 31.5 | 4.475 |
| 13.6 | 1.790 | 19.6 | 2.690 | 25.6 | 3.590 | 31.6 | 4.490 |
| 13.7 | 1.805 | 19.7 | 2.705 | 25.7 | 3.605 | 31.7 | 4.505 |
| 13.8 | 1.820 | 19.8 | 2.720 | 25.8 | 3.620 | 31.8 | 4.520 |
| 13.9 | 1.835 | 19.9 | 2.735 | 25.9 | 3.635 | 31.9 | 4.535 |
| 14.0 | 1.850 | 20.0 | 2.750 | 26.0 | 3.650 | 32.0 | 4.550 |
| 14.1 | 1.865 | 20.1 | 2.765 | 26.1 | 3.665 | 32.1 | 4.565 |
| 14.2 | 1.880 | 20.2 | 2.780 | 26.2 | 3.680 | 32.2 | 4.580 |
| 14.3 | 1.895 | 20.3 | 2.795 | 26.3 | 3.695 | 32.3 | 4.595 |
| 14.4 | 1.910 | 20.4 | 2.810 | 26.4 | 3.710 | 32.4 | 4.610 |
| 14.5 | 1.925 | 20.5 | 2.825 | 26.5 | 3.725 | 32.5 | 4.625 |
| 14.6 | 1.940 | 20.6 | 2.840 | 26.6 | 3.740 | 32.6 | 4.640 |
| 14.7 | 1.955 | 20.7 | 2.855 | 26.7 | 3.755 | 32.7 | 4.655 |
| 14.8 | 1.970 | 20.8 | 2.870 | 26.8 | 3.770 | 32.8 | 4.670 |
| 14.9 | 1.985 | 20.9 | 2.885 | 26.9 | 3.785 | 32.9 | 4.685 |
| 15.0 | 2.000 | 21.0 | 2.900 | 27.0 | 3.800 | 33.0 | 4.700 |
| 15.1 | 2.015 | 21.1 | 2.915 | 27.1 | 3.815 | 33.1 | 4.715 |
| 15.2 | 2.030 | 21.2 | 2.930 | 27.2 | 3.830 | 33.2 | 4.730 |
| 15.3 | 2.045 | 21.3 | 2.945 | 27.3 | 3.845 | 33.3 | 4.745 |
| 15.4 | 2.060 | 21.4 | 2.960 | 27.4 | 3.860 | 33.4 | 4.760 |
| 15.5 | 2.075 | 21.5 | 2.975 | 27.5 | 3.875 | 33.5 | 4.775 |
| 15.6 | 2.090 | 21.6 | 2.990 | 27.6 | 3.890 | 33.6 | 4.790 |
| 15.7 | 2.105 | 21.7 | 3.005 | 27.7 | 3.905 | 33.7 | 4.805 |
| 15.8 | 2.120 | 21.8 | 3.020 | 27.8 | 3.920 | 33.8 | 4.820 |
| 15.9 | 2.135 | 21.9 | 3.035 | 27.9 | 3.935 | 33.9 | 4.835 |

EXHIBIT "A" CONT.
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 |
|-------------|---------------|-------------|---------------|-------------|---------------|-------------|---------------|
| 34.0 | 4.850 | 40.0 | 5.100 | 46.0 | 4.950 | 52.0 | 4.050 |
| 34.1 | 4.865 | 40.1 | 5.100 | 46.1 | 4.935 | 52.1 | 4.035 |
| 34.2 | 4.880 | 40.2 | 5.100 | 46.2 | 4.920 | 52.2 | 4.020 |
| 34.3 | 4.895 | 40.3 | 5.100 | 46.3 | 4.905 | 52.3 | 4.005 |
| 34.4 | 4.910 | 40.4 | 5.100 | 46.4 | 4.890 | 52.4 | 3.990 |
| 34.5 | 4.925 | 40.5 | 5.100 | 46.5 | 4.875 | 52.5 | 3.975 |
| 34.6 | 4.940 | 40.6 | 5.100 | 46.6 | 4.860 | 52.6 | 3.960 |
| 34.7 | 4.955 | 40.7 | 5.100 | 46.7 | 4.845 | 52.7 | 3.945 |
| 34.8 | 4.970 | 40.8 | 5.100 | 46.8 | 4.830 | 52.8 | 3.930 |
| 34.9 | 4.985 | 40.9 | 5.100 | 46.9 | 4.815 | 52.9 | 3.915 |
| 35.0 | 5.000 | 41.0 | 5.100 | 47.0 | 4.800 | 53.0 | 3.900 |
| 35.1 | 5.000 | 41.1 | 5.100 | 47.1 | 4.785 | 53.1 | 3.885 |
| 35.2 | 5.000 | 41.2 | 5.100 | 47.2 | 4.770 | 53.2 | 3.870 |
| 35.3 | 5.000 | 41.3 | 5.100 | 47.3 | 4.755 | 53.3 | 3.855 |
| 35.4 | 5.000 | 41.4 | 5.100 | 47.4 | 4.740 | 53.4 | 3.840 |
| 35.5 | 5.000 | 41.5 | 5.100 | 47.5 | 4.725 | 53.5 | 3.825 |
| 35.6 | 5.000 | 41.6 | 5.100 | 47.6 | 4.710 | 53.6 | 3.810 |
| 35.7 | 5.000 | 41.7 | 5.100 | 47.7 | 4.695 | 53.7 | 3.795 |
| 35.8 | 5.000 | 41.8 | 5.100 | 47.8 | 4.680 | 53.8 | 3.780 |
| 35.9 | 5.000 | 41.9 | 5.100 | 47.9 | 4.665 | 53.9 | 3.765 |
| 36.0 | 5.020 | 42.0 | 5.100 | 48.0 | 4.650 | 54.0 | 3.750 |
| 36.1 | 5.020 | 42.1 | 5.100 | 48.1 | 4.635 | 54.1 | 3.735 |
| 36.2 | 5.020 | 42.2 | 5.100 | 48.2 | 4.620 | 54.2 | 3.720 |
| 36.3 | 5.020 | 42.3 | 5.100 | 48.3 | 4.605 | 54.3 | 3.705 |
| 36.4 | 5.020 | 42.4 | 5.100 | 48.4 | 4.590 | 54.4 | 3.690 |
| 36.5 | 5.020 | 42.5 | 5.100 | 48.5 | 4.575 | 54.5 | 3.675 |
| 36.6 | 5.020 | 42.6 | 5.100 | 48.6 | 4.560 | 54.6 | 3.660 |
| 36.7 | 5.020 | 42.7 | 5.100 | 48.7 | 4.545 | 54.7 | 3.645 |
| 36.8 | 5.020 | 42.8 | 5.100 | 48.8 | 4.530 | 54.8 | 3.630 |
| 36.9 | 5.020 | 42.9 | 5.100 | 48.9 | 4.515 | 54.9 | 3.615 |
| 37.0 | 5.040 | 43.0 | 5.100 | 49.0 | 4.500 | 55.0 | 3.600 |
| 37.1 | 5.040 | 43.1 | 5.100 | 49.1 | 4.485 | | |
| 37.2 | 5.040 | 43.2 | 5.100 | 49.2 | 4.470 | | |
| 37.3 | 5.040 | 43.3 | 5.100 | 49.3 | 4.455 | | |
| 37.4 | 5.040 | 43.4 | 5.100 | 49.4 | 4.440 | | |
| 37.5 | 5.040 | 43.5 | 5.100 | 49.5 | 4.425 | | |
| 37.6 | 5.040 | 43.6 | 5.100 | 49.6 | 4.410 | | |
| 37.7 | 5.040 | 43.7 | 5.100 | 49.7 | 4.395 | | |
| 37.8 | 5.040 | 43.8 | 5.100 | 49.8 | 4.380 | | |
| 37.9 | 5.040 | 43.9 | 5.100 | 49.9 | 4.365 | | |
| 38.0 | 5.060 | 44.0 | 5.100 | 50.0 | 4.350 | | |
| 38.1 | 5.060 | 44.1 | 5.100 | 50.1 | 4.335 | | |
| 38.2 | 5.060 | 44.2 | 5.100 | 50.2 | 4.320 | | |
| 38.3 | 5.060 | 44.3 | 5.100 | 50.3 | 4.305 | | |
| 38.4 | 5.060 | 44.4 | 5.100 | 50.4 | 4.290 | | |
| 38.5 | 5.060 | 44.5 | 5.100 | 50.5 | 4.275 | | |
| 38.6 | 5.060 | 44.6 | 5.100 | 50.6 | 4.260 | | |
| 38.7 | 5.060 | 44.7 | 5.100 | 50.7 | 4.245 | | |
| 38.8 | 5.060 | 44.8 | 5.100 | 50.8 | 4.230 | | |
| 38.9 | 5.060 | 44.9 | 5.100 | 50.9 | 4.215 | | |
| 39.0 | 5.080 | 45.0 | 5.100 | 51.0 | 4.200 | | |
| 39.1 | 5.080 | 45.1 | 5.085 | 51.1 | 4.185 | | |
| 39.2 | 5.080 | 45.2 | 5.070 | 51.2 | 4.170 | | |
| 39.3 | 5.080 | 45.3 | 5.055 | 51.3 | 4.155 | | |
| 39.4 | 5.080 | 45.4 | 5.040 | 51.4 | 4.140 | | |
| 39.5 | 5.080 | 45.5 | 5.025 | 51.5 | 4.125 | | |
| 39.6 | 5.080 | 45.6 | 5.010 | 51.6 | 4.110 | | |
| 39.7 | 5.080 | 45.7 | 4.995 | 51.7 | 4.095 | | |
| 39.8 | 5.080 | 45.8 | 4.980 | 51.8 | 4.080 | | |
| 39.9 | 5.080 | 45.9 | 4.965 | 51.9 | 4.065 | | |

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 | | |
| 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 | | |

For Sulfur percentages above 4.00%, the differential continues to increase 0.01/BBL per 0.01 Percent Sulfur.

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 | 0.96131 |
| 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 | 0.89285 | 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

| LOCATION | SHIPPER | BBLs RECEIVED | Tested % SULFUR | API GRAV | 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 |
|---------------|---------|-------------------|-----------------|----------|-----------------------------|-------------------|-----------------------|------------------------|--------------------------|------------------------|
| JONES LEASE | A | 155,000.00 | 0.20 | 45.0 | 0.94614 | 0.19 | \$1.19 | \$5.10 | \$184,450.00 | \$790,500.00 |
| ABC TRUCK ACT | B | 165,341.60 | 0.30 | 36.0 | 0.95690 | 0.29 | \$1.29 | \$5.02 | \$213,290.66 | \$830,014.83 |
| SMITH LEASE | C | <u>82,658.40</u> | 0.40 | 30.0 | 0.97378 | 0.39 | \$1.39 | \$4.25 | <u>\$114,895.18</u> | <u>\$351,298.20</u> |
| | | 403,000.00 | | | | | | | \$512,635.84 | \$1,971,813.03 |

COMMON STREAM WEIGHTED AVERAGE GRAVITY VALUE: 1,689,971,813.03/403,000 = **\$4.892836308**
 COMMON STREAM WEIGHTED AVERAGE SULFUR VALUE: 512,635.84/403,000 = **\$1.272049231**

JONES LEASE SHIPPER A
 WEIGHTED AVERAGE GRAVITY VALUE: 790,500.00/155,000 = \$5.10
 CALCULATION: (\$4.892836308 - \$5.10) x 155,000 = (\$32,110.37)
 WEIGHTED AVERAGE SULFUR VALUE: 184,450.00/155,000 = \$1.19
 CALCULATION: (\$1.19 - \$1.272049231) x 155,000 = (\$12,717.63)
 Current Month Quality Bank Amount (for Bank to credit to Shipper A): **(\$44,828.00)**

ABC TRUCK ACT SHIPPER B
 WEIGHTED AVERAGE GRAVITY VALUE: 830,014.83/165,341.6 = \$5.02
 CALCULATION: (\$4.892836308 - \$5.02) x 165,341.6 = (\$21,025.45)
 WEIGHTED AVERAGE SULFUR VALUE: 114,895.18/165,341.6 = \$1.29
 CALCULATION: (\$1.29 - \$1.272049231) x 165,341.6 = \$2,968.01
 Current Month Quality Bank Amount (for Bank to credit to Shipper B): **(\$18,057.44)**

SMITH LEASE SHIPPER C
 WEIGHTED AVERAGE GRAVITY VALUE: 351,298.20/82,658.4 = \$4.25
 CALCULATION: (\$4.892836308 - \$4.25) x 82,658.4 = \$53,135.82
 WEIGHTED AVERAGE SULFUR VALUE: 114,895.18/82,658.4 = \$1.39
 CALCULATION: (\$1.39 - \$1.272049231) x 82,658.4 = \$9,749.62
 Current Month Quality Bank Amount (for Bank to debit against Shipper C): **\$62,885.44**

BANK SUM **\$0.00**