PECTEN MIDSTREAM LLC

IN CONNECTION WITH

SHELL PIPELINE COMPANY LP and EMPIRE AUGER 12, LLC

THE RATES AND CHARGES NAMED IN THIS JOINT TRANSPORTATION SHEET ARE FOR THE TRANSPORTATION AND DELIVERY OF

PETROLEUM

SUBJECT TO THE RULES AND REGULATIONS NAMED HEREIN AND THE RULES AND REGULATIONS PUBLISHED IN PECTEN MIDSTREAM LLC'S TRANSPORTATION SHEET NO. 15.1.0 OR SUCCESSIVE ISSUES THEREOF.

LIST OF POINTS FROM AND TO WHICH RATES APPLY AND
RATES ON PETROLEUM IN CENTS PER BARREL OF 42 UNITED STATES GALLONS

ROUTE NO.	ORIGIN OFFSHORE LOUISIANA	DESTINATION OFFSHORE LOUISIANA	NON-CONTRACT RATE (Note 2)	CONTRACT RATE (Note 1, 2)
01	Garden Banks Block 426 (Auger)	Eugene Island Block 314 (subsea)	**[I]** 180.71	**[U]** 85.00
02	Garden Banks Block 783 (Magnolia)		**[I]** 180.71	**[U]** 85.00
03	Garden Banks Block 128 (Enchilada)		**[I]** 150.41	**[U]** 85.00

In addition to the rules and regulations stated in Transportation Sheet No. 15.1.0, the applicable option associated with this rule will apply:
Rule 70. Gauging, Testing, and Volume Corrections**:** Option 4 – Loss allowance of 0.1%

For clarity, half of the loss allowance will be charged directly by Pecten Midstream LLC and half will be charged by Empire Auger 12, LLC

Note 1 - Contract rates are only applied to barrels received from production connected to the origin point whose producers have executed transportation agreements with the carrier.

Note 2 - Pump Over Fee: Pecten Midstream LLC will assess a pump over fee of **[I]** 10.44 cents per Barrel for movements delivering to Eugene Island Block 314, in addition to the transportation rate.

ROUTES: 01 - Pecten's Garden Banks Block 426 (Auger) to connection with Empire's Garden Banks Block 128 and Empire's Garden Banks Block 128 to Eugene Island Block 314 (subsea connection to Eugene Island Pipeline System). 02 - Shell Pipeline's Garden Banks 783 (Magnolia) to connection with Empire's Garden Banks Block 128 and Empire's Garden Banks Block 128 to Eugene Island Block 314 (subsea connection to Eugene Island Pipeline System). 03 - Pecten's Garden Banks Block 128 to connection with Empire's Garden Banks Block 128 and Empire's Garden Banks Block 128 to Eugene Island Block 314 (subsea connection to Eugene Island Pipeline System).

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

EFFECTIVE: NOVEMBER 1, 2024

Issued By:
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EXPLANATION OF REFERENCE MARKS:

[C] Cancelled
[I] Increase
[N] New
[U] Unchanged Rate
[W] Change in wording only

RULES AND REGULATIONS

This Carrier will receive Petroleum for trunk line interstate transportation through its own lines only when destined for further transportation via water or other pipelines, subject to the rules and regulations published herein and in Transportation Sheet No. 15.1.0 or successive issues thereof.

Item No.	SUBJECT	RULES AND REGULATIONS
1	**Gravity and Sulfur Bank**	To assure that no Shipper will be materially damaged or allowed to benefit by changes in gravity and sulfur due to the intermixing of Petroleum in the system, Shippers will be required, as a condition of Nominating, to participate in a Gravity and Sulfur Bank. Sulfur differential values from 0 to 0.75 will be considered 0.75. A fee of **[U]** 0.5 cent per Barrel will be assessed to cover costs for administration of the quality bank for the Shippers. The tables of gravity and sulfur differential values per Barrel as attached hereto as Exhibits A, B, and C are incorporated herein and made a part of these Rules. Carrier shall administer the quality bank providing adjustments for the value of crudes with different qualities in the manner specified below for both receipt and delivery volumes: Applicable Barrels and gravities shall be the net Barrels at 60 degrees 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 gravity differential value per Barrel (for two or more gravities of Petroleum), as hereinafter referred to, shall be obtained in the following manner: Multiply the gravity differential values per Barrel (from the attached tables as same are from time to time revised) 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. Applicable Barrels and sulfur content shall be the net Barrels at 60 degrees Fahrenheit (with no deduction for loss allowance) and the sulfur content recorded by a competent laboratory for samples obtained by the Operator at the points where it customarily measures and samples receipts for custody transfer. The weighted average sulfur differential value per Barrel (for two or more sulfur contents of 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. 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 degree 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 degree gravity. The Table of Ratio Factors for Sulfur Adjustments is attached hereto as Exhibit "C" and as 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"). I. Adjustment between Shippers, for both receipt volumes and delivery volumes, shall be computed as follows: A. Compute the weighted average gravity differential value per Barrel of the Barrels received from/ delivered to each Shipper. B. Compute the weighted average sulfur differential value per Barrel of the Barrels received from/ delivered to each Shipper. II. Compute the weighted average gravity differential value per Barrel of the composite common stream Petroleum for receipts and deliveries. *Receipt Calculation:* 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 Petroleum as determined under Paragraph II, the difference in cents per Barrel shall be calculated and Shipper shall be credited (receives) 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 Petroleum, the difference shall be calculated as above outlined and a Shipper debited or pays to the bank for such difference.

RULES AND REGULATIONS - Continued

Item No.	SUBJECT	RULES AND REGULATIONS
1	**Gravity and Sulfur Bank (Continued)**	*Delivery Calculation:* 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 Petroleum as determined under Paragraph II, the difference in cents per Barrel shall be calculated and Shipper shall be debited (pays) 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 Petroleum, the difference shall be calculated as above outlined and a Shipper credited (receives from the bank) for such difference. III. Compute the weighted average sulfur differential value per Barrel of the composite common stream Petroleum for receipts and deliveries. *Receipt Calculation:* 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 Petroleum as determined under Paragraph III, the difference in cents per Barrel shall be calculated and Shipper shall be debited (pay) 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 Petroleum, the difference shall be calculated as above outlined and Shipper shall be credited (receive from the bank) for such difference. *Delivery Calculation:* 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 Petroleum as determined under Paragraph III, the difference in cents per Barrel shall be calculated and Shipper shall be credited (receives) 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 Petroleum, the difference shall be calculated as above outlined and Shipper shall be debited (pay the bank) 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 when netting the two adjustments made on receipts and deliveries 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 PETROLEUM IN
AUGER PIPELINE SYSTEM COMMON STREAM

API GRAVITY	DIFF PER BBL	API GRAVITY	DIFF PER BBL	API GRAVITY	DIFF PER BBL	API GRAVITY	DIFF PER BBL
20.0	2.750	26.0	3.650	32.0	4.550	38.0	5.060
20.1	2.765	26.1	3.665	32.1	4.565	38.1	5.060
20.2	2.780	26.2	3.680	32.2	4.580	38.2	5.060
20.3	2.795	26.3	3.695	32.3	4.595	38.3	5.060
20.4	2.810	26.4	3.710	32.4	4.610	38.4	5.060
20.5	2.825	26.5	3.725	32.5	4.625	38.5	5.060
20.6	2.840	26.6	3.740	32.6	4.640	38.6	5.060
20.7	2.855	26.7	3.755	32.7	4.655	38.7	5.060
20.8	2.870	26.8	3.770	32.8	4.670	38.8	5.060
20.9	2.885	26.9	3.785	32.9	4.685	38.9	5.060
21.0	2.900	27.0	3.800	33.0	4.700	39.0	5.080
21.1	2.915	27.1	3.815	33.1	4.715	39.1	5.080
21.2	2.930	27.2	3.830	33.2	4.730	39.2	5.080
21.3	2.945	27.3	3.845	33.3	4.745	39.3	5.080
21.4	2.960	27.4	3.860	33.4	4.760	39.4	5.080
21.5	2.975	27.5	3.875	33.5	4.775	39.5	5.080
21.6	2.990	27.6	3.890	33.6	4.790	39.6	5.080
21.7	3.005	27.7	3.905	33.7	4.805	39.7	5.080
21.8	3.020	27.8	3.920	33.8	4.820	39.8	5.080
21.9	3.035	27.9	3.935	33.9	4.835	39.9	5.080
22.0	3.050	28.0	3.950	34.0	4.850	40.0	5.100
22.1	3.065	28.1	3.965	34.1	4.865	40.1	5.100
22.2	3.080	28.2	3.980	34.2	4.880	40.2	5.100
22.3	3.095	28.3	3.995	34.3	4.895	40.3	5.100
22.4	3.110	28.4	4.010	34.4	4.910	40.4	5.100
22.5	3.125	28.5	4.025	34.5	4.925	40.5	5.100
22.6	3.140	28.6	4.040	34.6	4.940	40.6	5.100
22.7	3.155	28.7	4.055	34.7	4.955	40.7	5.100
22.8	3.170	28.8	4.070	34.8	4.970	40.8	5.100
22.9	3.185	28.9	4.085	34.9	4.985	40.9	5.100
23.0	3.200	29.0	4.100	35.0	5.000	41.0	5.100
23.1	3.215	29.1	4.115	35.1	5.000	41.1	5.100
23.2	3.230	29.2	4.130	35.2	5.000	41.2	5.100
23.3	3.245	29.3	4.145	35.3	5.000	41.3	5.100
23.4	3.260	29.4	4.160	35.4	5.000	41.4	5.100
23.5	3.275	29.5	4.175	35.5	5.000	41.5	5.100
23.6	3.290	29.6	4.190	35.6	5.000	41.6	5.100
23.7	3.305	29.7	4.205	35.7	5.000	41.7	5.100
23.8	3.320	29.8	4.220	35.8	5.000	41.8	5.100
23.9	3.335	29.9	4.235	35.9	5.000	41.9	5.100
24.0	3.350	30.0	4.250	36.0	5.020	42.0	5.100
24.1	3.365	30.1	4.265	36.1	5.020	42.1	5.100
24.2	3.380	30.2	4.280	36.2	5.020	42.2	5.100
24.3	3.395	30.3	4.295	36.3	5.020	42.3	5.100
24.4	3.410	30.4	4.310	36.4	5.020	42.4	5.100
24.5	3.425	30.5	4.325	36.5	5.020	42.5	5.100
24.6	3.440	30.6	4.340	36.6	5.020	42.6	5.100
24.7	3.455	30.7	4.355	36.7	5.020	42.7	5.100
24.8	3.470	30.8	4.370	36.8	5.020	42.8	5.100
24.9	3.485	30.9	4.385	36.9	5.020	42.9	5.100
25.0	3.500	31.0	4.400	37.0	5.040	43.0	5.100
25.1	3.515	31.1	4.415	37.1	5.040	43.1	5.100
25.2	3.530	31.2	4.430	37.2	5.040	43.2	5.100
25.3	3.545	31.3	4.445	37.3	5.040	43.3	5.100
25.4	3.560	31.4	4.460	37.4	5.040	43.4	5.100
25.5	3.575	31.5	4.475	37.5	5.040	43.5	5.100
25.6	3.590	31.6	4.490	37.6	5.040	43.6	5.100
25.7	3.605	31.7	4.505	37.7	5.040	43.7	5.100
25.8	3.620	31.8	4.520	37.8	5.040	43.8	5.100
25.9	3.635	31.9	4.535	37.9	5.040	43.9	5.100

EXHIBIT "A" CONTINUED
ADJUSTMENT AUTHORIZATION

TABLES OF DIFFERENTIALS FOR USE IN DETERMINING ADJUSTMENTS FOR
DIFFERENCE IN GRAVITY OF PETROLEUM IN
AUGER PIPELINE SYSTEM COMMON STREAM

API GRAVITY	DIFF PER BBL	API GRAVITY	DIFF PER BBL
44.0	5.100	49.9	4.365
44.1	5.100	50.0	4.350
44.2	5.100	50.1	4.335
44.3	5.100	50.2	4.320
44.4	5.100	50.3	4.305
44.5	5.100	50.4	4.290
44.6	5.100	50.5	4.275
44.7	5.100	50.6	4.260
44.8	5.100	50.7	4.245
44.9	5.100	50.8	4.230
45.0	5.100	50.9	4.215
45.1	5.085	51.0	4.200
45.2	5.070	51.1	4.185
45.3	5.055	51.2	4.170
45.4	5.040	51.3	4.155
45.5	5.025	51.4	4.140
45.6	5.010	51.5	4.125
45.7	4.995	51.6	4.110
45.8	4.980	51.7	4.095
45.9	4.965	51.8	4.080
46.0	4.950	51.9	4.065
46.1	4.935	52.0	4.050
46.2	4.920	52.1	4.035
46.3	4.905	52.2	4.020
46.4	4.890	52.3	4.005
46.5	4.875	52.4	3.990
46.6	4.860	52.5	3.975
46.7	4.845	52.6	3.960
46.8	4.830	52.7	3.945
46.9	4.815	52.8	3.930
47.0	4.800	52.9	3.915
47.1	4.785	53.0	3.900
47.2	4.770	53.1	3.885
47.3	4.755	53.2	3.870
47.4	4.740	53.3	3.855
47.5	4.725	53.4	3.840
47.6	4.710	53.5	3.825
47.7	4.695	53.6	3.810
47.8	4.680	53.7	3.795
47.9	4.665	53.8	3.780
48.0	4.650	53.9	3.765
48.1	4.635	54.0	3.750
48.2	4.620	54.1	3.735
48.3	4.605	54.2	3.720
48.4	4.590	54.3	3.705
48.5	4.575	54.4	3.690
48.6	4.560	54.5	3.675
48.7	4.545	54.6	3.660
48.8	4.530	54.7	3.645
48.9	4.515	54.8	3.630
49.0	4.500	54.9	3.615
49.1	4.485	55.0	3.600
49.2	4.470		
49.3	4.455	For API GRAVITY values	
49.4	4.440	above 55.0º API, the	
49.5	4.425	differential continues to	
49.6	4.410	decline .015/bbl per 0.1º	
49.7	4.395	API GRAVITY	
49.8	4.380		

EXHIBIT "B"
ADJUSTMENT AUTHORIZATION

TABLES OF DIFFERENTIALS FOR USE IN DETERMINING ADJUSTMENTS FOR
DIFFERENCE IN SULFUR CONTENT OF PETROLEUM IN
AUGER PIPELINE SYSTEM COMMON STREAM

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
0.75	1.750	1.35	2.350	1.95	2.950	2.55	3.550	3.15	4.150
0.76	1.760	1.36	2.360	1.96	2.960	2.56	3.560	3.16	4.160
0.77	1.770	1.37	2.370	1.97	2.970	2.57	3.570	3.17	4.170
0.78	1.780	1.38	2.380	1.98	2.980	2.58	3.580	3.18	4.180
0.79	1.790	1.39	2.390	1.99	2.990	2.59	3.590	3.19	4.190
0.80	1.800	1.40	2.400	2.00	3.000	2.60	3.600	3.20	4.200
0.81	1.810	1.41	2.410	2.01	3.010	2.61	3.610	3.21	4.210
0.82	1.820	1.42	2.420	2.02	3.020	2.62	3.620	3.22	4.220
0.83	1.830	1.43	2.430	2.03	3.030	2.63	3.630	3.23	4.230
0.84	1.840	1.44	2.440	2.04	3.040	2.64	3.640	3.24	4.240
0.85	1.850	1.45	2.450	2.05	3.050	2.65	3.650	3.25	4.250
0.86	1.860	1.46	2.460	2.06	3.060	2.66	3.660	3.26	4.260
0.87	1.870	1.47	2.470	2.07	3.070	2.67	3.670	3.27	4.270
0.88	1.880	1.48	2.480	2.08	3.080	2.68	3.680	3.28	4.280
0.89	1.890	1.49	2.490	2.09	3.090	2.69	3.690	3.29	4.290
0.90	1.900	1.50	2.500	2.10	3.100	2.70	3.700	3.30	4.300
0.91	1.910	1.51	2.510	2.11	3.110	2.71	3.710	3.31	4.310
0.92	1.920	1.52	2.520	2.12	3.120	2.72	3.720	3.32	4.320
0.93	1.930	1.53	2.530	2.13	3.130	2.73	3.730	3.33	4.330
0.94	1.940	1.54	2.540	2.14	3.140	2.74	3.740	3.34	4.340
0.95	1.950	1.55	2.550	2.15	3.150	2.75	3.750	3.35	4.350
0.96	1.960	1.56	2.560	2.16	3.160	2.76	3.760	3.36	4.360
0.97	1.970	1.57	2.570	2.17	3.170	2.77	3.770	3.37	4.370
0.98	1.980	1.58	2.580	2.18	3.180	2.78	3.780	3.38	4.380
0.99	1.990	1.59	2.590	2.19	3.190	2.79	3.790	3.39	4.390
1.00	2.000	1.60	2.600	2.20	3.200	2.80	3.800	3.40	4.400
1.01	2.010	1.61	2.610	2.21	3.210	2.81	3.810	3.41	4.410
1.02	2.020	1.62	2.620	2.22	3.220	2.82	3.820	3.42	4.420
1.03	2.030	1.63	2.630	2.23	3.230	2.83	3.830	3.43	4.430
1.04	2.040	1.64	2.640	2.24	3.240	2.84	3.840	3.44	4.440
1.05	2.050	1.65	2.650	2.25	3.250	2.85	3.850	3.45	4.450
1.06	2.060	1.66	2.660	2.26	3.260	2.86	3.860	3.46	4.460
1.07	2.070	1.67	2.670	2.27	3.270	2.87	3.870	3.47	4.470
1.08	2.080	1.68	2.680	2.28	3.280	2.88	3.880	3.48	4.480
1.09	2.090	1.69	2.690	2.29	3.290	2.89	3.890	3.49	4.490
1.10	2.100	1.70	2.700	2.30	3.300	2.90	3.900	3.50	4.500
1.11	2.110	1.71	2.710	2.31	3.310	2.91	3.910	3.51	4.510
1.12	2.120	1.72	2.720	2.32	3.320	2.92	3.920	3.52	4.520
1.13	2.130	1.73	2.730	2.33	3.330	2.93	3.930	3.53	4.530
1.14	2.140	1.74	2.740	2.34	3.340	2.94	3.940	3.54	4.540
1.15	2.150	1.75	2.750	2.35	3.350	2.95	3.950	3.55	4.550
1.16	2.160	1.76	2.760	2.36	3.360	2.96	3.960	3.56	4.560
1.17	2.170	1.77	2.770	2.37	3.370	2.97	3.970	3.57	4.570
1.18	2.180	1.78	2.780	2.38	3.380	2.98	3.980	3.58	4.580
1.19	2.190	1.79	2.790	2.39	3.390	2.99	3.990	3.59	4.590
1.20	2.200	1.80	2.800	2.40	3.400	3.00	4.000	3.60	4.600
1.21	2.210	1.81	2.810	2.41	3.410	3.01	4.010	3.61	4.610
1.22	2.220	1.82	2.820	2.42	3.420	3.02	4.020	3.62	4.620
1.23	2.230	1.83	2.830	2.43	3.430	3.03	4.030	3.63	4.630
1.24	2.240	1.84	2.840	2.44	3.440	3.04	4.040	3.64	4.640
1.25	2.250	1.85	2.850	2.45	3.450	3.05	4.050	3.65	4.650
1.26	2.260	1.86	2.860	2.46	3.460	3.06	4.060	3.66	4.660
1.27	2.270	1.87	2.870	2.47	3.470	3.07	4.070	3.67	4.670
1.28	2.280	1.88	2.880	2.48	3.480	3.08	4.080	3.68	4.680
1.29	2.290	1.89	2.890	2.49	3.490	3.09	4.090	3.69	4.690
1.30	2.300	1.90	2.900	2.50	3.500	3.10	4.100	3.70	4.700
1.31	2.310	1.91	2.910	2.51	3.510	3.11	4.110	3.71	4.710
1.32	2.320	1.92	2.920	2.52	3.520	3.12	4.120	3.72	4.720
1.33	2.330	1.93	2.930	2.53	3.530	3.13	4.130	3.73	4.730
1.34	2.340	1.94	2.940	2.54	3.540	3.14	4.140	3.74	4.740

See NOTE at bottom of page.

EXHIBIT "B" CONTINUED
ADJUSTMENT AUTHORIZATION

TABLES OF DIFFERENTIALS FOR USE IN DETERMINING ADJUSTMENTS FOR DIFFERENCE IN SULFUR CONTENT OF PETROLEUM IN AUGER PIPELINE SYSTEM COMMON STREAM

PERCENT SULFUR	DIFF PER BBL
3.75	4.750
3.76	4.760
3.77	4.770
3.78	4.780
3.79	4.790
3.80	4.800
3.81	4.810
3.82	4.820
3.83	4.830
3.84	4.840
3.85	4.850
3.86	4.860
3.87	4.870
3.88	4.880
3.89	4.890
3.90	4.900
3.91	4.910
3.92	4.920
3.93	4.930
3.94	4.940
3.95	4.950
3.96	4.960
3.97	4.970
3.98	4.980
3.99	4.990
4.00	5.000

For Sulfur Values 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 PETROLUEM BY GRAVITY TO REFERENCE BASE OF 35.5º API GRAVITY
AUGER PIPELINE SYSTEM COMMON STREAM

API GRAVITY	RATIO TO 35.5º WT.	API GRAVITY	RATIO TO 35.5º WT.	API GRAVITY	RATIO TO 35.5º WT.	API GRAVITY	RATIO TO 35.5º WT.
20.0	1.10248	26.0	1.06038	32.0	1.02140	38.0	0.98526
20.1	1.10177	26.1	1.05967	32.1	1.02084	38.1	0.98469
20.2	1.10106	26.2	1.05911	32.2	1.02013	38.2	0.98412
20.3	1.10021	26.3	1.05840	32.3	1.01956	38.3	0.98356
20.4	1.09950	26.4	1.05769	32.4	1.01899	38.4	0.98285
20.5	1.09880	26.5	1.05698	32.5	1.01828	38.5	0.98228
20.6	1.09809	26.6	1.05641	32.6	1.01772	38.6	0.98172
20.7	1.09738	26.7	1.05571	32.7	1.01715	38.7	0.98115
20.8	1.09667	26.8	1.05500	32.8	1.01644	38.8	0.98058
20.9	1.09596	26.9	1.05443	32.9	1.01588	38.9	0.98001
21.0	1.09525	27.0	1.05372	33.0	1.01517	39.0	0.97945
21.1	1.09454	27.1	1.05301	33.1	1.01460	39.1	0.97888
21.2	1.09383	27.2	1.05245	33.2	1.01403	39.2	0.97831
21.3	1.09313	27.3	1.05174	33.3	1.01332	39.3	0.97775
21.4	1.09242	27.4	1.05103	33.4	1.01276	39.4	0.97718
21.5	1.09171	27.5	1.05046	33.5	1.01219	39.5	0.97661
21.6	1.09086	27.6	1.04975	33.6	1.01148	39.6	0.97605
21.7	1.09015	27.7	1.04904	33.7	1.01091	39.7	0.97548
21.8	1.08944	27.8	1.04848	33.8	1.01035	39.8	0.97491
21.9	1.08873	27.9	1.04777	33.9	1.00964	39.9	0.97434
22.0	1.08802	28.0	1.04706	34.0	1.00907	40.0	0.97378
22.1	1.08731	28.1	1.04649	34.1	1.00850	40.1	0.97321
22.2	1.08661	28.2	1.04578	34.2	1.00780	40.2	0.97264
22.3	1.08590	28.3	1.04507	34.3	1.00723	40.3	0.97208
22.4	1.08519	28.4	1.04451	34.4	1.00666	40.4	0.97151
22.5	1.08448	28.5	1.04380	34.5	1.00609	40.5	0.97094
22.6	1.08377	28.6	1.04323	34.6	1.00539	40.6	0.97038
22.7	1.08320	28.7	1.04252	34.7	1.00482	40.7	0.96981
22.8	1.08249	28.8	1.04181	34.8	1.00425	40.8	0.96924
22.9	1.08179	28.9	1.04125	34.9	1.00369	40.9	0.96867
23.0	1.08108	29.0	1.04054	35.0	1.00298	41.0	0.96811
23.1	1.08037	29.1	1.03997	35.1	1.00241	41.1	0.96754
23.2	1.07966	29.2	1.03926	35.2	1.00184	41.2	0.96697
23.3	1.07895	29.3	1.03855	35.3	1.00128	41.3	0.96641
23.4	1.07824	29.4	1.03799	35.4	1.00057	41.4	0.96584
23.5	1.07753	29.5	1.03728	35.5	1.00000	41.5	0.96527
23.6	1.07682	29.6	1.03671	35.6	0.99943	41.6	0.96471
23.7	1.07612	29.7	1.03600	35.7	0.99887	41.7	0.96414
23.8	1.07541	29.8	1.03544	35.8	0.99816	41.8	0.96357
23.9	1.07470	29.9	1.03473	35.9	0.99759	41.9	0.96300
24.0	1.07413	30.0	1.03416	36.0	0.99702	42.0	0.96244
24.1	1.07342	30.1	1.03345	36.1	0.99646	42.1	0.96187
24.2	1.07271	30.2	1.03288	36.2	0.99589	42.2	0.96145
24.3	1.07201	30.3	1.03218	36.3	0.99518	42.3	0.96088
24.4	1.07130	30.4	1.03161	36.4	0.99461	42.4	0.96031
24.5	1.07059	30.5	1.03090	36.5	0.99405	42.5	0.95974
24.6	1.06988	30.6	1.03033	36.6	0.99348	42.6	0.95918
24.7	1.06931	30.7	1.02962	36.7	0.99291	42.7	0.95861
24.8	1.06860	30.8	1.02906	36.8	0.99220	42.8	0.95804
24.9	1.06790	30.9	1.02835	36.9	0.99164	42.9	0.95748
25.0	1.06719	31.0	1.02778	37.0	0.99107	43.0	0.95691
25.1	1.06648	31.1	1.02707	37.1	0.99050	43.1	0.95648
25.2	1.06577	31.2	1.02651	37.2	0.98994	43.2	0.95592
25.3	1.06520	31.3	1.02580	37.3	0.98937	43.3	0.95535
25.4	1.06449	31.4	1.02523	37.4	0.98880	43.4	0.95478
25.5	1.06378	31.5	1.02452	37.5	0.98809	43.5	0.95422
25.6	1.06308	31.6	1.02395	37.6	0.98753	43.6	0.95365
25.7	1.06237	31.7	1.02339	37.7	0.98696	43.7	0.95308
25.8	1.06180	31.8	1.02268	37.8	0.98639	43.8	0.95266
25.9	1.06109	31.9	1.02211	37.9	0.98583	43.9	0.95209

EXHIBIT "C" CONTINUED
ADJUSTMENT AUTHORIZATION

RATIO FACTORS FOR SULFUR ADJUSTMENT
WEIGHT OF PETROLEUM BY GRAVITY TO REFERENCE BASE OF 35.5º API GRAVITY
AUGER PIPELINE SYSTEM COMMON STREAM

API GRAVITY	RATIO TO 35.5º WT.	API GRAVITY	RATIO TO 35.5º WT.
44.0	0.95152	50.0	0.92006
44.1	0.95096	50.1	0.91949
44.2	0.95039	50.2	0.91892
44.3	0.94982	50.3	0.91850
44.4	0.94940	50.4	0.91793
44.5	0.94883	50.5	0.91751
44.6	0.94826	50.6	0.91694
44.7	0.94770	50.7	0.91651
44.8	0.94713	50.8	0.91595
44.9	0.94670	50.9	0.91552
45.0	0.94614	51.0	0.91495
45.1	0.94557	51.1	0.91439
45.2	0.94500	51.2	0.91396
45.3	0.94444	51.3	0.91339
45.4	0.94401	51.4	0.91297
45.5	0.94344	51.5	0.91240
45.6	0.94288	51.6	0.91198
45.7	0.94231	51.7	0.91141
45.8	0.94189	51.8	0.91099
45.9	0.94132	51.9	0.91042
46.0	0.94075	52.0	0.90999
46.1	0.94018	52.1	0.90943
46.2	0.93976	52.2	0.90900
46.3	0.93919	52.3	0.90843
46.4	0.93863	52.4	0.90801
46.5	0.93806	52.5	0.90744
46.6	0.93763	52.6	0.90702
46.7	0.93707	52.7	0.90645
46.8	0.93650	52.8	0.90602
46.9	0.93607	52.9	0.90546
47.0	0.93551	53.0	0.90503
47.1	0.93494	53.1	0.90446
47.2	0.93437	53.2	0.90404
47.3	0.93395	53.3	0.90361
47.4	0.93338	53.4	0.90305
47.5	0.93281	53.5	0.90262
47.6	0.93239	53.6	0.90206
47.7	0.93182	53.7	0.90163
47.8	0.93125	53.8	0.90106
47.9	0.93083	53.9	0.90064
48.0	0.93026	54.0	0.90007
48.1	0.92970	54.1	0.89965
48.2	0.92927	54.2	0.89922
48.3	0.92870	54.3	0.89865
48.4	0.92814	54.4	0.89823
48.5	0.92771	54.5	0.89766
48.6	0.92714	54.6	0.89724
48.7	0.92672	54.7	0.89681
48.8	0.92615	54.8	0.89624
48.9	0.92558	54.9	0.89582
49.0	0.92516	55.0	0.89525
49.1	0.92459		
49.2	0.92403		
49.3	0.92360		
49.4	0.92303		
49.5	0.92261		
49.6	0.92204		
49.7	0.92147		
49.8	0.92105		
49.9	0.92048		

EXHIBIT "D"
SAMPLE QUALITY BANK CALCULATION
AUGER PIPELINE SYSTEM COMMON STREAM

RECEIPT BANK

SHIPPER	BBLS REC'D	% SULFUR	API GRAV	FROM EXH. "C" RATIO TO 35.5º WT.	% SULFUR × RATIO	FROM EXH. "B" SULFUR DIFF	FROM EXH. "A" GRAVITY DIFF	BBLS REC'D. × SULFUR DIFF	BBLS REC'D. × GRAV DIFF
A	100.00	0.92	29.8	1.03544	0.95	1.950	4.220	195.00	422.00
B	150.00	0.36	38.6	0.98172	0.35	1.750	5.060	262.50	759.00
C	100.00	0.42	36.4	0.99461	0.42	1.750	5.020	175.00	502.00
C	200.00	0.78	46.2	0.93976	0.73	1.750	4.920	350.00	984.00
TOTAL	550.00							982.50	2667.00

Common stream weighted average GRAVITY value: 2667.00/550.0 = 4.84909
Common stream weighted average SULFUR value: 982.50/550.00 = 1.78636

Shipper A:
Weighted average GRAVITY value: 422.00/100 = 4.22000
Calculation: (4.84909 - 4.22000) × 100 = $62.91
Weighted average SULFUR value: 195.00/100 = 1.95000
Calculation: (1.95000 - 1.78636) × 100 = $16.36
TOTAL Shipper A pays the bank: $79.27

Shipper B:
Weighted average GRAVITY value: 759.00/150 = 5.06000
Calculation: (4.84909 - 5.06000) × 150 = ($31.64)
Weighted average SULFUR value: 262.50/150 = 1.75000
Calculation: (1.75000 - 1.78636) × 150 = ($5.45)
TOTAL Shipper B receives from the bank: ($37.09)

Shipper C:
Weighted average GRAVITY value: 1486.00/300 = 4.95333
Calculation: (4.84909 - 4.95333) × 300 = ($31.27)
Weighted average SULFUR value: 525.00/300 = 1.75000
Calculation: (1.75000 - 1.78636) × 300 = ($10.91)
TOTAL Shipper C receives from the bank: ($42.18)

NET $0.00

DELIVERY BANK

SHIPPER	BBLS REC'D	% SULFUR	API GRAV	FROM EXH. "C" RATIO TO 35.5º WT.	% SULFUR × RATIO	FROM EXH. "B" SULFUR DIFF	FROM EXH. "A" GRAVITY DIFF	BBLS REC'D. × SULFUR DIFF	BBLS REC'D. × GRAV DIFF
A	90.00	0.64	39.0	0.97945	0.63	1.750	5.080	157.50	457.20
B	140.00	0.62	39.6	0.97605	0.61	1.750	5.080	245.00	711.20
C	90.00	0.63	38.4	0.98285	0.62	1.750	5.060	157.50	455.40
C	210.00	0.78	40.1	0.97321	0.76	1.760	5.100	369.60	1071.00
TOTAL	530.00							929.60	2694.80

Common stream weighted average GRAVITY value: 2694.80/530.0 = 5.08453
Common stream weighted average SULFUR value: 929.60/530.00 = 1.75396

Shipper A:
Weighted average GRAVITY value: 457.20/90 = 5.08000
Calculation: (5.08000 - 5.08453) × 90 = ($0.41)
Weighted average SULFUR value: 157.50/90 = 1.75000
Calculation: (1.75396 - 1.75000) × 90 = $0.36
TOTAL Shipper A receives from the bank: ($0.05)

Shipper B:
Weighted average GRAVITY value: 711.20/140 = 5.08000
Calculation: (5.08000 - 5.08453) × 140 = ($0.63)
Weighted average SULFUR value: 245.00/140 = 1.75000
Calculation: (1.75396 - 1.75000) × 140 = $0.55
TOTAL Shipper B receives from the bank: ($0.08)

Shipper C:
Weighted average GRAVITY value: 1526.40/300 = 5.08800
Calculation: (5.08800 - 5.08453) × 300 = $1.04
Weighted average SULFUR value: 527.10/300 = 1.75700
Calculation: (1.75396 - 1.75700) × 300 = ($0.91)
TOTAL Shipper C pays the bank: $0.13

NET $0.00