(Cancels Transportation Sheet No. 19.4.0)

# 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	[ <b>i</b> ] 177.53	<b>[U]</b> 85.00
02	Garden Banks Block 783 (Magnolia)	(subsea)	[i] 177.53	<b>[U]</b> 85.00
03	Garden Banks Block 128 (Enchilada)	(Subsea)	<b>[I]</b> 147.76	<b>[U]</b> 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] 10.16 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: JULY 1, 2024** 

Issued By:
Sean Guillory

[W] President and Chief Executive Officer Vice President
Pecten Midstream LLC
P. O. Box 2648
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#### **EXPLANATION OF REFERENCE MARKS:**

[C] Cancelled [I] Increase

[N] New

[U] Unchanged Rate[W] Change in wording only

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### **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	OUD ISST	DIU TO AND ETCH ATIONS
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").
		<ul> <li>I. Adjustment between Shippers, for both receipt volumes and delivery volumes, shall be computed as follows: <ul> <li>A. Compute the weighted average gravity differential value per Barrel of the Barrels received from/delivered to each Shipper.</li> <li>B. Compute the weighted average sulfur differential value per Barrel of the Barrels received from/delivered to each Shipper.</li> </ul> </li> </ul>
		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. SUBJ									
1 Gravit Sulfur (Conti	Delivery Calculation:  A. If the weighted average I above shall be greater the common stream Petroleun calculated and Shipper shall gravity differential value per calculated as above outling.  III. Compute the weighted average I above shall be greater the common stream Petroleun calculated and Shipper shall gravity and the weighted average I above shall be greater the common stream Petroleun calculated and Shipper shallfur differential value per B. If the weighted average sulfur differential value per calculated as above outling the weighted average I above shall be greater the common stream Petroleun calculated as above outling to the weighted average I above shall be greater the common stream Petroleun calculated and Shipper shallfur differential value per calculated and Shipper shallfur differential value per B. If the weighted average sulfur differential value per calculated as above outling the weighted averages sulfur differential value per calculated as above outling the weighted averages sulfur differential value per calculated as above outling the weighted averages sulfur differential value per calculated as above outling the weighted averages sulfur differential value per calculated as above outling the weighted averages sulfur differential value per calculated as above outling the weighted averages sulfur differential value per calculated as above outling the weighted averages sulfur differential value per calculated as above outling the weighted averages and the w	ge gravity differential value per Barrel of a Shipper as so determined under Paragranan the weighted average gravity differential value per Barrel of the aforementioned mas determined under Paragraph II, the difference in cents per Barrel shall be nall be debited (pays) an amount calculated by multiplying said difference in the Barrel by the applicable Barrels.  ge gravity differential value per Barrel of a Shipper is less than the weighted average ref Barrel of the aforementioned common stream Petroleum, the difference shall be need and a Shipper credited (receives from the bank) for such difference.  The sulfur differential value per Barrel of the composite common stream Petroleum, and the weighted average sulfur differential value per Barrel of the aforementioned mas determined under Paragraph III, the difference in cents per Barrel shall be nall be debited (pay) an amount calculated by multiplying said difference in a Barrel by the applicable Barrels.  The sulfur differential value per Barrel of a Shipper is less than the weighted average of Barrel of the aforementioned common stream Petroleum, the difference shall be need and Shipper shall be credited (receive from the bank) for such difference.  The sulfur differential value per Barrel of a Shipper as so determined under Paragraph and the weighted average sulfur differential value per Barrel of the aforementioned common stream Petroleum, the difference in an active mass determined under Paragraph III, the difference in cents per Barrel shall be need and Shipper shall be credited (receives) an amount calculated by multiplying said difference in a Barrel by the applicable Barrels.  The sulfur differential value per Barrel of a Shipper is less than the weighted average are Barrel by the applicable Barrels.  The sulfur differential value per Barrel of a Shipper is less than the weighted average are Barrel of the aforementioned common stream. Petroleum, the difference in the Barrel by the applicable Barrels.  The sulfur differential value per Barrel of a Shipp							

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## 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	DIFF	API	DIFF	API	DIFF	API	DIFF
<u>GRAVITY</u>	PER BBL	<u>GRAVITY</u>	PER BBL	<u>GRAVITY</u>		<u>GRAVITY</u>	PER BBL
20.0	2.750	26.0	3.650	32.0	4.550	38.0	5.060
20.1 20.2	2.765 2.780	26.1 26.2	3.665 3.680	32.1 32.2	4.565 4.580	38.1 38.2	5.060 5.060
20.2	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 2.900	26.9 27.0	3.785	32.9 33.0	4.685	38.9 39.0	5.060 5.080
21.0 21.1	2.900 2.915	27.0 27.1	3.800 3.815	33.0 33.1	4.700 4.715	39.0 39.1	5.080
21.1	2.930	27.1	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 22.0	3.035 3.050	27.9 28.0	3.935 3.950	33.9 34.0	4.835 4.850	39.9 40.0	5.080 5.100
22.0	3.065	28.1	3.965	34.1	4.865	40.0	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 22.9	3.170 3.185	28.8 28.9	4.070 4.085	34.8 34.9	4.970 4.985	40.8 40.9	5.100 5.100
23.0	3.105	20.9 29.0	4.005	34.9 35.0	5.000	40.9 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 29.8	4.205	35.7	5.000	41.7	5.100
23.8 23.9	3.320 3.335	29.6 29.9	4.220 4.235	35.8 35.9	5.000 5.000	41.8 41.9	5.100 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 24.8	3.455 3.470	30.7 30.8	4.355 4.370	36.7 36.8	5.020 5.020	42.7 42.8	5.100 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 25.7	3.590 3.605	31.6 31.7	4.490 4.505	37.6 37.7	5.040 5.040	43.6 43.7	5.100 5.100
25.8	3.620	31.8	4.520	37.7 37.8	5.040	43.7	5.100
25.9	3.635	31.9	4.535	37.9	5.040	43.9	5.100

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## 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	DIFF	API	DIFF
<u>GRAVITY</u>	PER BBL	<u>GRAVITY</u>	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
44.7	5.100	50.7	4.245
			4.245
44.9	5.100	50.8	
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	4.020
46.5	4.875	52.4	3.990
	4.860	52.4 52.5	3.990
46.6			
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
			3.660
48.7	4.545	54.6	
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 GRA	
49.4	4.440	above 55.0° A	*
49.5	4.425	differential cor	ntinues to
49.6	4.410	decline .015/b	bl per 0.1°
49.7	4.395	API GRAVITY	-
49.8	4.380		

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## 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	DIFF								
SULFUR	PER BBL		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 0.93	1.920 1.930	1.52 1.53	2.520 2.530	2.12	3.120 3.130	2.72 2.73	3.720 3.730	3.32 3.33	4.320 4.330
	1.930	1.53	2.530	2.13		2.73 2.74	3.730	3.34	
0.94 0.95	1.940	1.54	2.540	2.14 2.15	3.140 3.150	2.74 2.75	3.740	3.35	4.340 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	3.100	2.77	3.770	3.37	4.370
0.98	1.980	1.58	2.580	2.17	3.170	2.78	3.780	3.38	4.370
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 3.390	2.98	3.980 3.990	3.58	4.580
1.19 1.20	2.190	1.79 1.80	2.790 2.800	2.39 2.40	3.400	2.99 3.00	4.000	3.59 3.60	4.590 4.600
1.21	2.200 2.210	1.81	2.810	2.41	3.410	3.01	4.000	3.61	4.610
1.21	2.210	1.82	2.820	2.41	3.420	3.02	4.010	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

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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	DIFF
<u>SULFUR</u>	<u>PER BBL</u>
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

## Page 8 of 10, Pecten Midstream LLC Transportation Sheet No. 19.5.0

## EXHIBIT "C" ADJUSTMENT AUTHORIZATION

## RATIO FACTORS FOR SULFUR ADJUSTMENT WEIGHT OF PETROLUEM BY GRAVITY TO REFERENCE BASE OF 35.5° API GRAVITY AUGER PIPELINE SYSTEM COMMON STREAM

GRAVITY   35.5° WT	API	RATIO TO	API	RATIO TO	API	RATIO TO	API	RATIO TO
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   1.09890   26.5   1.05698   32.5   1.01828   38.5   0.98228   20.5   1.09880   26.5   1.05698   32.5   1.01828   38.5   0.98228   20.6   1.09809   26.6   1.05691   32.6   1.01772   38.6   0.98228   20.6   1.09809   26.6   1.05691   32.7   1.01715   38.7   0.98112   20.7   1.09738   26.7   1.05571   32.7   1.01715   38.7   0.98112   20.8   1.09667   26.8   1.05501   32.8   1.01644   38.8   38.9   0.98058   20.9   1.05596   26.9   1.05443   32.9   1.01588   38.9   0.98058   20.9   1.09596   26.9   1.05443   32.9   1.01588   38.9   0.98051   21.0   1.09525   27.0   1.05372   33.0   1.01517   39.0   0.97845   21.1   1.09454   27.1   1.05301   33.1   1.01460   39.1   0.97881   21.2   1.09383   27.2   1.05245   33.2   1.01403   39.2   0.97831   21.3   1.03313   27.3   1.05174   33.3   1.01332   39.3   0.97775   21.5   1.09171   27.5   1.05046   33.5   1.01219   39.5   0.97605   21.7   1.09115   27.7   1.04904   33.7   1.01914   39.6   0.97605   21.7   1.09015   27.7   1.04904   33.7   1.01914   39.6   0.97605   21.7   1.09015   27.7   1.04648   33.8   1.0133   39.9   0.97434   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   1.00960   40.5   0.9736   22.1   1.08731   28.1   1.04649   34.1   1.00650   40.1   0.97321   22.1   1.08731   28.1   1.04649   34.1   1.00650   40.1   0.97321   22.2   1.08661   28.2   1.04578   34.2   1.07808   40.6   0.9736   22.1   1.08731   28.1   1.04649   34.1   1.00650   40.1   0.97321   22.2   1.08661   28.2   1.04578   34.2   1.07808   40.6   0.9756   22.3   1.08590   28.3   1.04507   34.3   1.00723   40.6   0.9756   22.5   1.08448   28.5   1.04380   34.5   1.00609   40.5   0.9756   22.5   1.08448   28.5   1.04380   34.5   1.00609   40.5   0.9756   22.5   1.08468   28.5   1.04380   34.5   1.00609   40.5   0.9756   22.5	<b>GRAVITY</b>		<u>GRAVITY</u>		<u>GRAVITY</u>	35.5° WT.	<u>GRAVITY</u>	
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   1.09890   26.5   1.05698   32.5   1.01828   38.5   0.98228   20.5   1.09880   26.5   1.05698   32.5   1.01828   38.5   0.98228   20.6   1.09809   26.6   1.05691   32.6   1.01772   38.6   0.98228   20.6   1.09809   26.6   1.05691   32.7   1.01715   38.7   0.98112   20.7   1.09738   26.7   1.05571   32.7   1.01715   38.7   0.98112   20.8   1.09667   26.8   1.05501   32.8   1.01644   38.8   38.9   0.98058   20.9   1.05596   26.9   1.05443   32.9   1.01588   38.9   0.98058   20.9   1.09596   26.9   1.05443   32.9   1.01588   38.9   0.98051   21.0   1.09525   27.0   1.05372   33.0   1.01517   39.0   0.97845   21.1   1.09454   27.1   1.05301   33.1   1.01460   39.1   0.97881   21.2   1.09383   27.2   1.05245   33.2   1.01403   39.2   0.97831   21.3   1.03313   27.3   1.05174   33.3   1.01332   39.3   0.97775   21.5   1.09171   27.5   1.05046   33.5   1.01219   39.5   0.97605   21.7   1.09115   27.7   1.04904   33.7   1.01914   39.6   0.97605   21.7   1.09015   27.7   1.04904   33.7   1.01914   39.6   0.97605   21.7   1.09015   27.7   1.04648   33.8   1.0133   39.9   0.97434   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   1.00960   40.5   0.9736   22.1   1.08731   28.1   1.04649   34.1   1.00650   40.1   0.97321   22.1   1.08731   28.1   1.04649   34.1   1.00650   40.1   0.97321   22.2   1.08661   28.2   1.04578   34.2   1.07808   40.6   0.9736   22.1   1.08731   28.1   1.04649   34.1   1.00650   40.1   0.97321   22.2   1.08661   28.2   1.04578   34.2   1.07808   40.6   0.9756   22.3   1.08590   28.3   1.04507   34.3   1.00723   40.6   0.9756   22.5   1.08448   28.5   1.04380   34.5   1.00609   40.5   0.9756   22.5   1.08448   28.5   1.04380   34.5   1.00609   40.5   0.9756   22.5   1.08468   28.5   1.04380   34.5   1.00609   40.5   0.9756   22.5	20.0	1.10248	26.0	1.06038	32.0	1.02140	38.0	0.98526
20.2         1.10106         26.2         1.05911         32.2         1.02013         38.2         0.98415           20.4         1.09950         26.4         1.05769         32.4         1.01899         38.4         0.98256           20.5         1.09800         26.5         1.05694         32.5         1.01828         38.5         0.98228           20.6         1.09800         26.6         1.05641         32.6         1.01772         38.6         0.98175           20.7         1.09738         26.7         1.055510         32.7         1.01772         38.6         0.98175           20.8         1.09667         26.8         1.05500         32.8         1.01644         38.8         0.98001           21.0         1.05525         27.0         1.05372         33.0         1.01517         39.0         0.97848           21.1         1.09454         27.1         1.05301         33.1         1.01517         39.0         0.97848           21.2         1.09333         27.2         1.05301         33.1         1.01403         39.2         0.97838           21.2         1.09343         27.3         1.05101         33.4         1.01276         39.4								
20.3								
20.4								
20.5         1.09880         26.5         1.05698         32.5         1.01828         38.5         0.98122           20.6         1.09809         26.6         1.05641         32.6         1.01715         38.7         0.98115           20.8         1.09667         26.8         1.05500         32.8         1.01644         38.8         0.98058           20.9         1.09856         26.9         1.05433         32.9         1.01888         38.9         0.98061           21.0         1.09525         27.0         1.05372         33.0         1.01517         39.0         0.97045           21.1         1.09454         27.1         1.05301         33.1         1.01460         39.1         0.97881           21.2         1.09333         27.2         1.05245         33.2         1.01403         39.2         0.97831           21.4         1.09242         27.4         1.05103         33.4         1.01403         39.2         0.97781           21.5         1.09171         27.5         1.05946         33.5         1.01219         39.5         0.97765           21.7         1.09105         27.7         1.04975         33.6         1.01219         39.5         <								
20.6         1.09809         26.6         1.05641         32.6         1.01772         38.6         0.98172           20.8         1.09667         26.8         1.05500         32.8         1.01848         38.8         0.98058           20.9         1.09566         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         0.97881           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         1.01276         39.4         0.97781           21.4         1.09242         27.4         1.05103         33.4         1.01276         39.4         0.97781           21.5         1.09171         27.5         1.05046         33.5         1.01279         39.5         0.97661           21.6         1.09906         27.6         1.04975         33.6         1.01488         39.6         <								
20.7         1.09738         26.7         1.05571         32.7         1.01715         38.7         0.98115           20.9         1.09596         26.9         1.0543         32.9         1.01684         38.8         0.98058           20.9         1.09596         26.9         1.0543         32.9         1.01588         38.9         0.98051           21.1         1.09454         27.1         1.05301         33.1         1.01660         39.1         0.97885           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         0.977831           21.4         1.09242         27.4         1.05103         33.4         1.01279         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         1.0148         39.6         0.977491           21.8         1.08944         27.8         1.04848         33.8         1.01091         39.7 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>								
20.8         1.09667         26.8         1.05500         32.8         1.01644         38.8         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         1.01326         39.3         0.97778           21.4         1.09242         27.4         1.05103         33.4         1.01276         39.4         0.97718           21.5         1.09171         27.5         1.05946         33.5         1.01418         39.6         0.97605           21.6         1.09086         27.6         1.04975         33.6         1.01418         39.6         0.97661           21.7         1.09015         27.7         1.04904         33.7         1.01035         39.8         0.97491           21.8         1.08873         27.9         1.04777         33.9         1.01035         39.8         <								
20.9         1.09596         26.9         1.05432         32.9         1.01588         38.9         0.99004           21.1         1.09454         27.1         1.05301         33.1         1.01460         39.1         0.97888           21.2         1.09333         27.2         1.05245         33.2         1.01403         39.2         0.97831           21.3         1.09313         27.3         1.05174         33.3         1.01426         39.4         0.97778           21.4         1.09242         27.4         1.05103         33.4         1.01326         39.4         0.97778           21.5         1.09171         27.5         1.05604         33.5         1.01219         39.5         0.97661           21.6         1.09096         27.6         1.04995         33.6         1.01148         39.6         0.97661           21.7         1.09015         27.7         1.04904         33.7         1.01091         39.7         0.97548           21.8         1.08804         27.8         1.04777         33.9         1.00961         39.9         0.97434           22.0         1.08802         28.0         1.04649         34.1         1.00850         40.1         <		1.09667						
21.0								
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 0,97881 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 1,09066 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 0,97372 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 1,08370 28.7 1,08320 28.7 1,04252 34.7 1,00425 40.8 0,99242 22.8 1,08249 28.8 1,04481 34.8 1,00425 40.8 0,99324 22.9 1,08108 29.8 1,04451 34.4 1,00666 40.4 0,97161 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 40.9 0,96867 22.9 1,08179 28.9 1,04125 34.9 1,00369 40.9 0,96867 22.0 1,08108 29.0 1,04054 35.0 1,00288 41.0 0,96811 22.2 1,08610 82.2 1,04508 35.5 1,00369 41.0 0,96811 23.1 1,08037 29.1 1,03997 35.1 1,00241 41.1 0,96754 23.2 1,07662 29.2 1,03926 35.2 1,00164 41.2 0,96697 23.3 1,07824 29.4 1,03799 35.4 1,00057 41.4 0,96584 23.1 1,07612 29.7 1,03800 35.5 1,00044 41.2 0,96697 23.3 1,07824 29.4 1,03799 35.4 1,00057 41.4 0,96584 23.1 1,07612 29.7 1,03800 35.5 1,00044 41.2 0,96691 23.3 1,07686 29.2 1,03926 35.2 1,00184 41.2 0,96691 23.3 1,07686 29.2 1,03926 35.2 1,00184 41.2 0,96691 23.3 1,07824 29.4 1,03799 35.4 1,00057 41.4 0,96584 23.5 1,077612 29.7 1,03800 35.5 1,00094 41.5 0,96641 23.4 1,0762 29.8 1,03926 35.2 1,00184 41.2 0,96691 23.3 1,07686 29.2 1,03926 35.2 1,00184 41.2 0,96691 23.3 1,07686 29.2 1,03926 35.2 1,00184 41.2 0,96691 23.3 1,07686 29.2 1,03926 35.5 1,00094 41.5 0,96641 24.4 0,96584 24.4 1,07700 30.4 1,03345 36.6 0,99348 42.2 0,96641 24.4 1,07699 30.5 1,03939 36.5 0,99466 42.1		1.09525						
21 2       1 09383       27 2       1 105245       33 2       1 01403       39.2       0.97737         21 4       1 09242       27 4       1 05103       33 3       1 01322       39.3       0.97775         21 4       1 09242       27 4       1 05103       33.4       1 01276       39.4       0.97718         21.5       1 0,91171       27.5       1 0,6046       33.5       1 01148       39.5       0.97605         21.6       1 0,9006       27.6       1 0,4975       33.6       1 0,1148       39.6       0.97605         21.7       1 0,9015       27.7       1 0,4044       33.7       1 0,10143       39.7       0.97605         21.8       1 0,80873       27.9       1 0,4476       34.0       1,00907       40.0       0.97378         22.1       1 0,8873       27.9       1 0,4476       34.0       1,00907       40.0       0.97378         22.1       1 0,8731       28.1       1 0,4649       34.1       1 0,0080       40.1       0,97328         22.2       1 0,8661       28.2       1 0,4578       34.2       1 0,0780       40.2       0,97264         22.3       1 0,8590       28.3       1 0,4507	21.1	1.09454		1.05301				0.97888
21.3         1.09313         27.3         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         0.97661           21.7         1.09015         27.7         1.04904         33.7         1.01091         39.7         0.97548           21.8         1.08844         27.8         1.04848         33.8         1.01035         39.8         0.97491           21.9         1.08802         28.0         1.04706         34.0         1.00907         40.0         0.97384           22.1         1.08802         28.0         1.04706         34.0         1.00907         40.0         0.97384           22.1         1.08731         28.1         1.04649         34.1         1.00850         40.1         0.97264           22.3         1.08590         28.3         1.04507         34.3         1.00723         40.3         0.97264           22.5         1.08448         28.5         1.04380         34.5         1.00666         40.4         <						1.01403		0.97831
21.4         1.09242         27.4         1.05103         33.4         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         1.04804         33.7         1.01091         39.7         0.97505           21.8         1.08844         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         1.08661         28.2         1.04578         34.2         1.00780         40.2         0.97264           22.2         1.08661         28.2         1.04578         34.2         1.00780         40.2         0.97264           22.3         1.08519         28.3         1.04507         34.3         1.00723         40.3         0.97208           22.4         1.08519         28.4         1.04507         34.3         1.00666         40.4         <	21.3		27.3	1.05174				0.97775
21.5         1.09171         27.5         1.05046         33.5         1.01219         39.5         0.97605           21.7         1.09015         27.7         1.04904         33.7         1.01091         39.7         0.97648           21.8         1.08944         27.8         1.04848         33.8         1.01035         39.8         0.97434           21.9         1.08873         27.9         1.04776         34.0         1.00907         40.0         0.97378           22.0         1.08802         28.0         1.04706         34.0         1.00907         40.0         0.97373           22.1         1.08661         28.2         1.04578         34.2         1.00780         40.1         0.97321           22.2         1.08661         28.2         1.04507         34.3         1.00723         40.3         0.97268           22.4         1.08519         28.4         1.04451         34.4         1.00666         40.4         0.97151           22.5         1.08448         28.5         1.04323         34.6         1.00539         40.6         0.97038           22.7         1.08320         28.7         1.04252         34.7         1.00482         40.7         <	21.4	1.09242						
21.6         1.09086         27.6         1.04914         33.6         1.01148         39.6         0.97605           21.7         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         1.08802         28.0         1.04706         34.0         1.00907         40.0         0.97378           22.1         1.08630         28.0         1.04706         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         0.97294           22.4         1.08519         28.4         1.04451         34.4         1.00666         40.4         0.97151           22.5         1.08377         28.6         1.04323         34.6         1.00639         40.6         0.97034           22.6         1.08377         28.6         1.04323         34.6         1.00666         40.4         7.97151	21.5		27.5					
21.7         1.09015         27.7         1.04904         33.7         1.01091         39.7         0.975481           21.8         1.08944         27.8         1.04848         33.8         1.01035         39.8         0.97491           21.9         1.08873         27.9         1.04776         34.0         1.00907         40.0         0.97378           22.1         1.08661         28.2         1.04678         34.1         1.00850         40.1         0.97321           22.2         1.08661         28.2         1.04578         34.2         1.00760         40.2         0.97264           22.3         1.08590         28.3         1.04578         34.2         1.00730         40.2         0.97284           22.4         1.08519         28.4         1.04451         34.4         1.00666         40.4         0.97138           22.5         1.08448         28.5         1.04380         34.5         1.00609         40.5         0.97094           22.6         1.08377         28.6         1.04252         34.7         1.00482         40.7         0.96981           22.7         1.08320         28.7         1.04252         34.7         1.00482         40.7	21.6	1.09086	27.6	1.04975				0.97605
21.8         1.08944         27.8         1.04777         33.9         1.00964         39.9         0.97434           21.9         1.08873         27.9         1.04776         34.0         1.00967         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         1.00730         40.3         0.97208           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         1.084848         28.5         1.04330         34.5         1.00609         40.5         0.97034           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         0.9681           22.8         1.08179         28.9         1.04155         34.9         1.00369         40.9         <								
21.9       1.08873       27.9       1.04776       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       0.972721         22.2       1.08661       28.2       1.04578       34.2       1.00780       40.2       0.97224         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       1.08488       28.5       1.04380       34.5       1.00609       40.5       0.97038         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       1.08179       28.8       1.04181       34.8       1.00425       40.8       0.96924         22.9       1.08179       28.9       1.04125       34.9 <t< td=""><td>21.8</td><td>1.08944</td><td>27.8</td><td>1.04848</td><td></td><td>1.01035</td><td></td><td>0.97491</td></t<>	21.8	1.08944	27.8	1.04848		1.01035		0.97491
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         1,08590         28.3         1,04507         34.3         1,00723         40.3         0,97208           22.4         1,08519         28.4         1,04451         34.4         1,00606         40.4         0,97151           22.5         1,08448         28.5         1,04380         34.5         1,00609         40.5         0,97034           22.6         1,08377         28.6         1,04323         34.6         1,00539         40.5         0,97038           22.7         1,08320         28.7         1,04252         34.7         1,00482         40.7         0,96981           22.8         1,08249         28.8         1,041181         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         1,04643         35.0         1,00298         41.0				1.04777				0.97434
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         1.04451         34.4         1.00666         40.4         0.97151           22.5         1.08448         28.5         1.04380         34.5         1.00606         40.5         0.97038           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         1.08179         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         0.96754           23.2         1.07966         29.2         1.03997         35.1         1.00244         41.1         <	22.0	1.08802	28.0	1.04706				
22.2         1.08661         28.2         1.04578         34.2         1.00723         40.3         0.97208           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         1.0848         28.5         1.04380         34.5         1.00609         40.5         0.97038           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         1.04125         34.9         1.00369         40.9         0.96867           23.0         1.08108         29.0         1.04054         35.0         1.00288         41.0         0.96817           23.2         1.08037         29.1         1.03997         35.1         1.00284         41.0         0.96647           23.3         1.07866         29.2         1.03926         35.2         1.00184         41.2 <t< td=""><td></td><td>1.08731</td><td></td><td>1.04649</td><td></td><td></td><td></td><td>0.97321</td></t<>		1.08731		1.04649				0.97321
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         1.00228         41.0         0.96867           23.1         1.08037         29.1         1.03997         35.1         1.00241         41.1         0.96527           23.2         1.07966         29.2         1.03992         35.2         1.00184         41.2         <								0.97264
22.4         1.08519         28.4         1.04451         34.4         1.00666         40.4         0.971094           22.5         1.08448         28.5         1.04380         34.5         1.00639         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         1.00369         40.9         0.96867           23.0         1.08108         29.0         1.04054         35.0         1.00298         41.0         0.96867           23.0         1.08037         29.1         1.03997         35.1         1.00241         41.1         0.96667           23.2         1.07966         29.2         1.03996         35.2         1.00184         41.2         0.96697           23.3         1.07895         29.3         1.03855         35.3         1.00184         41.2         0.96697           23.3         1.07895         29.3         1.03855         35.3         1.00184         41.2         0.96697           23.3         1.0762         29.4         1.03799         35.4         1.00007         41.4         <		1.08590	28.3				40.3	0.97208
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         1,00298         41.0         0,96867           23.0         1,08108         29.0         1,04054         35.0         1,00298         41.0         0,96817           23.1         1,08037         29.1         1,03997         35.1         1,00241         41.1         0,96674           23.2         1,07966         29.2         1,03926         35.2         1,00144         41.1         0,96674           23.4         1,07824         29.4         1,03799         35.4         1,00128         41.3         0,96684           23.5         1,07612         29.5         1,037728         35.5         1,00000         41.5								
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         1,04125         34.9         1,00369         40.9         0,96867           23.0         1,08108         29.0         1,04054         35.0         1,00298         41.0         0,96861           23.1         1,08037         29.1         1,03997         35.1         1,00241         41.1         0,96681           23.2         1,07966         29.2         1,03926         35.2         1,00124         41.3         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         0,96527           23.6         1,07612         29.5         1,03728         35.5         1,00000         41.5         0,96527           23.6         1,07612         29.7         1,03600         35.7         0,99887         41.7         <	22.5	1.08448	28.5	1.04380				
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         0.96741           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         0.96527           23.5         1.07763         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         <	22.6	1.08377	28.6	1.04323				0.97038
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         0.96887           23.0         1.08108         29.0         1.03997         35.1         1.00241         41.1         0.96754           23.1         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         0.96527           23.6         1.07753         29.5         1.03728         35.5         1.00000         41.5         0.96527           23.6         1.07662         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         <								
22.9         1.08179         28.9         1.04125         34.9         1.00369         40.9         0.96861           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         1.0057         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         0.99759         41.9 <t< td=""><td>22.8</td><td>1.08249</td><td>28.8</td><td>1.04181</td><td></td><td>1.00425</td><td>40.8</td><td>0.96924</td></t<>	22.8	1.08249	28.8	1.04181		1.00425	40.8	0.96924
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         1.00007         41.4         0.96584           23.5         1.07753         29.5         1.03671         35.6         0.99943         41.6         0.96471           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         <								
23.1         1.08037         29.1         1.03997         35.1         1.00241         41.1         0.96754           23.2         1.07986         29.2         1.03855         35.3         1.00128         41.3         0.96697           23.3         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         0.96627           23.6         1.07682         29.6         1.03607         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         0.99702         42.0         0.96244           24.1         1.07342         30.1         1.03416         36.0         0.99702         42.0         0.96244           24.1         1.07342         30.1         1.03345         36.1         0.99646         42.1         <	23.0		29.0	1.04054				
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         1.03671         35.6         0.99943         41.6         0.96471           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         0.99816         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         1.077342         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				1.03997				0.96754
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         0.99702         42.0         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         <			29.2	1.03926				0.96697
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         0.99702         42.0         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         <		1.07895	29.3	1.03855		1.00128	41.3	0.96641
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         0.96187           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         1.06988         30.6         1.03033         36.5         0.99405         42.5         <	23.4	1.07824	29.4	1.03799	35.4	1.00057	41.4	0.96584
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         1.03288         36.1         0.99646         42.1         0.96187           24.2         1.07271         30.2         1.03288         36.2         0.99589         42.2         0.96187           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         <	23.5	1.07753	29.5	1.03728	35.5	1.00000	41.5	0.96527
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         1.07471         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         <		1.07682	29.6	1.03671		0.99943	41.6	0.96471
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       1.06790       30.9       1.02835       36.9       0.99164       42.9       0.95748         25.0       1.06719       31.0       1.02778       37.1 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>								
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         25.1       1.06648       31.1       1.02707       37.1 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>								
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 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>								
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       0.95592         25.3       1.06577       31.2       1.02651       37.2 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>								
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       0.95592         25.3       1.06577       31.2       1.02651       37.2       0.98994       43.2       0.95592         25.3       1.06520       31.3       1.02580       37.3 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>								
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       1.06349       31.4       1.02523       37.4 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>								
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       0.9880       43.4       0.95478         25.5       1.06308       31.6       1.02395       37.5								
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       0.95691         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								
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       0.95691         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 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>								
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 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>								
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								
25.0       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								
25.1       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								
25.2       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								
25.3       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								
25.4       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								
25.5       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								
25.6       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								
25.7     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								
25.8     1.06180     31.8     1.02268     37.8     0.98639     43.8     0.95266								

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## EXHIBIT "C" CONTINUED ADJUSTMENT AUTHORIZATION

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

API GRAVITY 44.0 44.1 44.2 44.3 44.4 44.5 44.6 44.7 44.8 44.9 45.0 45.1 45.2 45.3 45.4 45.5 45.6 45.7 45.8 45.9 46.0 46.1 46.2 46.3 46.4 46.5 46.6 46.7 46.8 46.9 47.0 47.1 47.2 47.3 47.4 47.5	RATIO TO 35.5° WT. 0.95152 0.95096 0.95039 0.94982 0.94940 0.94883 0.94826 0.94770 0.94713 0.94670 0.94614 0.94557 0.94500 0.94444 0.94401 0.94344 0.94288 0.94231 0.94189 0.94132 0.94075 0.94018 0.93976 0.93919 0.93863 0.93707 0.93650 0.93707 0.93650 0.93607 0.93551 0.93494 0.93437 0.93395 0.93388	API GRAVITY 50.0 50.1 50.2 50.3 50.4 50.5 50.6 50.7 50.8 50.9 51.0 51.1 51.2 51.3 51.4 51.5 51.6 51.7 51.8 51.9 52.0 52.1 52.2 52.3 52.4 52.5 52.6 52.7 52.8 52.9 53.0 53.1 53.2 53.3 53.4 53.5	RATIO TO 35.5° WT. 0.92006 0.91949 0.91892 0.91850 0.91751 0.91651 0.91552 0.91495 0.91552 0.91496 0.91339 0.91297 0.91240 0.91198 0.91141 0.91099 0.90943 0.90990 0.90943 0.90904 0.90503 0.90546 0.90503 0.90446 0.90503 0.90361 0.90362 0.90362
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
46.2 46.3 46.4	0.93976 0.93919 0.93863	52.2 52.3 52.4	0.90900 0.90843 0.90801 0.90744
46.7	0.93707	52.7	0.90645
46.8	0.93650	52.8	0.90602
46.9	0.93607	52.9	0.90546
47.2	0.93437	53.2	0.90404
47.3	0.93395	53.3	0.90361
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 49.1 49.2 49.3 49.4	0.92516 0.92459 0.92403 0.92360 0.92303	55.0	0.89525
49.5 49.6 49.7 49.8 49.9	0.92261 0.92204 0.92147 0.92105 0.92048		

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## EXHIBIT "D" SAMPLE QUALITY BANK CALCULATION

AUGER PIPELINE SYSTEM COMMON STREAM

	AUGER PIPELINE SYSTEM COMMON STREAM									
RECEIP	<u></u>			FROM EXH. "C"	%	FROM EXH. "B"	FROM EXH. "A"	BBLS REC'D. ×	BBLS REC'D. ×	
SHIPPER	BBLS R REC'D	% SULFUR	API GRAV	RATIO TO 35.5° WT.	SULFUR × RATIO	SULFUR DIFF	GRAVITY DIFF	SULFUR DIFF	GRAV DIFF	
A	100.00	0.92	29.8	1.03544	0.95	1.950	4.220	195.00	422.00	
В	150.00	0.36	38.6	0.98172	0.35	1.750	5.060	262.50	759.00	
С	100.00	0.42	36.4	0.99461	0.42	1.750	5.020	175.00	502.00	
C TOTAL	200.00 550.00	0.78	46.2	0.93976	0.73	1.750	4.920	350.00 982.50	984.00 2667.00	
TOTAL	Common stream v					4.84909 1.78636		302.00	2007.00	
	Shipper A: Weighted average Calculation: (4.84 Weighted average Calculation: (1.95 TOTAL Shipper A	909 - 4.22000 SULFUR val 000 - 1.78636	)) × 100 = ue: 195.00/1 ) × 100 =			\$62.91 \$16.36		\$79.27		
	Shipper B: Weighted average Calculation: (4.84 Weighted average Calculation: (1.75 TOTAL Shipper B	909 - 5.06000 SULFUR val 000 - 1.78636	)) × 150 = ue: 262.50/1 ) × 150 =	50 = 1.75000		(\$31.64) (\$5.45)		(\$37.09)		
	Shipper C: Weighted average Calculation: (4.84 Weighted average Calculation: (1.75) TOTAL Shipper (	909 - 4.95333 SULFUR val 000 - 1.78636	3) × 300 = ue: 525.00/3 ) × 300 =	00 = 1.75000		(\$31.27) (\$10.91)		(\$42.18)		
DELIVE	RY BANK			FROM		FROM	FROM	BBLS	BBLS	
	BBLS	%	API	EXH. "C"	% CULTUD	EXH. "B"	EXH. "A"	REC'D. ×	REC'D. ×	
SHIPPER		% SULFUR	GRAV	RATIO TO 35.5° WT.	SULFUR × RATIO	SULFUR DIFF	GRAVITY DIFF	SULFUR DIFF	GRAV DIFF	
Α	90.00	0.64	39.0	0.97945	0.63	1.750	5.080	157.50	457.20	
В	140.00	0.62	39.6	0.97605	0.61	1.750	5.080	245.00	711.20	
C C	90.00 210.00	0.63 0.78	38.4 40.1	0.98285 0.97321	0.62 0.76	1.750 1.760	5.060 5.100	157.50 369.60	455.40 1071.00	
TOTAL				0.0.02	00	• •	000	929.60	2694.80	
	Common stream v					5.08453 1.75396				
	Shipper A: Weighted average Calculation: (5.08 Weighted average Calculation: (1.75)	000 - 5.08453 SULFUR val	3 ) × 90 = ue: 157.50/9			(\$0.41) \$0.36				
	TOTAL Shipper A				(\$0.05)					
	Shipper B: Weighted average Calculation: (5.08 Weighted average Calculation: (1.75 TOTAL Shipper B	3000 - 5.08453 SULFUR val 396 - 1.75000	3) × 140 = ue: 245.00/1 ) × 140 =	40 = 1.75000		(\$0.63) \$0.55		(\$0.08)	l	
	Shipper C: Weighted average Calculation: (5.08 Weighted average Calculation: (1.75 TOTAL Shipper C	e GRAVITY va 8800 - 5.08453 SULFUR val 6396 - 1.75700	llue: 1526.40 3) × 300 = ue: 527.10/3 0) × 300 =	0/300 = 5.08800		\$1.04 (\$0.91)		\$0.13	! 	
	NET							\$0.00	<u> </u>	