



BARGE "MPC-624"

MARATHON PETROLEUM CORP.

HULL NO. 2161-3

CORRECTION TABLE FOR TRIM AFT.			
FOR OUTAGE GAUGES ONLY			
TRIM	TANKS NO. 1 PORT OR STAR.	TANKS NO. 2 PORT OR STAR.	TANKS NO. 3 PORT OR STAR.
0'-6"	(+) 0' - 0 1/8"	(+) 0' - 0 1/8"	NIL
1'-0"	(+) 0' - 0 1/4"	(+) 0' - 0 1/4"	NIL
1'-6"	(+) 0' - 0 3/8"	(+) 0' - 0 3/8"	NIL
2'-0"	(+) 0' - 0 1/2"	(+) 0' - 0 1/2"	NIL
2'-6"	(+) 0' - 0 5/8"	(+) 0' - 0 5/8"	NIL
3'-0"	(+) 0' - 0 3/4"	(+) 0' - 0 3/4"	NIL
3'-6"	(+) 0' - 1"	(+) 0' - 1"	NIL
4'-0"	(+) 0' - 1 1/8"	(+) 0' - 1 1/8"	NIL
4'-6"	(+) 0' - 1 1/4"	(+) 0' - 1 1/4"	NIL
5'-0"	(+) 0' - 1 3/8"	(+) 0' - 1 3/8"	NIL

NOTE: FOR TRIM FWD., REVERSE SIGNS.

NOTE: IF LIQUID SURFACE TOUCHES TANK BOTTOM OR DECK WHEN GAUGED,
TRIM CORRECTIONS ARE NOT ACCURATE.

NOTE: FOR "INNAGE" GAUGES, REVERSE SIGNS.

DATE: 2/12/07

BY: 

INSPECTORATE AMERICA CORPORATION



ISO 9002 ACCREDITED

BARGE "MPC-624"
MARATHON PETROLEUM CORP.
OUTAGE TABLE

1 PORT OR STAR

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 2161-3

	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.
0	0	5,097.22	4,807.93	4,448.61	4,091.29	3,732.97	3,374.65	3,016.33	2,658.01	2,299.69	1,941.37	1,583.05	1,224.73	866.41	508.09	166.93
1/4	1/4	5,096.60	4,800.46	4,442.14	4,083.82	3,725.50	3,367.18	3,008.86	2,650.54	2,292.22	1,933.90	1,575.58	1,217.26	858.94	500.62	160.15
1/2	1/2	5,094.73	4,793.00	4,434.68	4,076.36	3,718.04	3,359.72	3,001.40	2,643.08	2,284.76	1,926.44	1,568.12	1,209.80	851.48	493.22	153.49
3/4	3/4	5,092.86	4,785.53	4,427.21	4,068.89	3,710.57	3,352.25	2,993.93	2,635.61	2,277.29	1,918.97	1,560.65	1,202.33	844.01	485.82	146.84
1	1	5,091.00	4,778.07	4,418.75	4,061.43	3,703.11	3,344.72	2,986.47	2,628.15	2,269.36	1,911.51	1,553.19	1,194.87	836.55	478.41	140.18
1/4	1/4	5,089.13	4,770.60	4,412.28	4,053.96	3,695.64	3,337.32	2,979.00	2,620.68	2,262.36	1,904.04	1,545.72	1,187.40	829.08	471.01	133.52
1/2	1/2	5,086.21	4,763.14	4,404.82	4,046.50	3,688.18	3,329.86	2,971.54	2,613.22	2,254.40	1,896.58	1,538.26	1,179.94	821.62	463.60	126.86
3/4	3/4	5,082.91	4,755.67	4,397.35	4,039.03	3,680.71	3,322.39	2,964.07	2,605.75	2,247.43	1,889.11	1,530.79	1,172.47	814.15	456.20	120.20
2	2	5,079.80	4,748.21	4,389.89	4,031.57	3,673.25	3,314.93	2,956.61	2,598.29	2,239.97	1,881.65	1,523.33	1,165.01	806.69	448.80	113.55
1/4	1/4	5,076.68	4,740.74	4,382.42	4,024.10	3,665.78	3,307.46	2,949.14	2,590.82	2,232.50	1,874.18	1,515.86	1,157.54	799.12	441.14	106.89
1/2	1/2	5,073.33	4,733.28	4,374.96	4,016.64	3,658.32	3,300.00	2,941.68	2,583.36	2,225.04	1,866.72	1,508.40	1,150.08	791.76	434.11	100.35
3/4	3/4	5,069.92	4,725.81	4,367.49	4,009.17	3,650.85	3,292.53	2,934.21	2,575.89	2,217.57	1,859.29	1,500.93	1,142.61	784.29	426.83	93.82
3	3	5,066.37	4,718.35	4,360.03	4,001.71	3,643.39	3,285.75	2,926.75	2,568.43	2,210.11	1,851.79	1,493.47	1,135.15	776.83	419.55	87.29
1/4	1/4	5,059.26	4,710.88	4,352.56	3,994.78	3,635.92	3,277.60	2,919.28	2,560.96	2,202.64	1,844.32	1,486.00	1,127.68	769.36	412.27	80.76
1/2	1/2	5,053.66	4,703.42	4,345.10	3,986.78	3,628.46	3,270.14	2,911.82	2,553.50	2,195.18	1,836.86	1,478.54	1,120.22	764.90	404.99	74.22
3/4	3/4	5,048.06	4,695.95	4,337.63	3,979.31	3,620.99	3,262.67	2,904.35	2,546.03	2,187.71	1,829.39	1,471.07	1,112.75	754.43	397.71	67.69
4	4	5,042.46	4,688.49	4,330.17	3,971.85	3,613.53	3,255.21	2,896.89	2,538.57	2,180.25	1,821.93	1,463.61	1,105.29	746.97	390.45	61.16
1/4	1/4	5,036.86	4,681.02	4,322.70	3,964.38	3,606.06	3,247.74	2,889.42	2,531.10	2,172.78	1,814.46	1,456.14	1,097.82	739.50	383.15	54.62
1/2	1/2	5,030.02	4,673.56	4,315.24	3,956.92	3,598.60	3,240.28	2,881.96	2,523.64	2,165.32	1,807.00	1,448.68	1,090.36	732.57	376.00	48.95
3/4	3/4	5,023.17	4,666.09	4,307.77	3,949.45	3,591.13	3,232.81	2,874.49	2,516.17	2,157.85	1,799.53	1,441.21	1,082.89	724.57	368.84	43.27
5	5	5,016.33	4,658.63	4,300.31	3,941.99	3,583.67	3,225.35	2,867.03	2,508.71	2,150.39	1,792.07	1,433.75	1,075.43	717.11	361.69	37.60
1/4	1/4	5,009.48	4,651.16	4,292.84	3,934.52	3,576.20	3,217.88	2,859.56	2,501.24	2,142.92	1,784.60	1,426.28	1,067.96	709.64	354.53	31.92
1/2	1/2	5,002.02	4,643.70	4,285.38	3,927.06	3,568.14	3,210.42	2,850.16	2,493.78	2,135.46	1,777.14	1,418.82	1,060.50	702.18	347.38	27.71
3/4	3/4	4,994.55	4,636.23	4,277.91	3,919.59	3,561.27	3,202.95	2,844.63	2,486.31	2,127.99	1,769.67	1,411.35	1,053.03	694.71	340.22	23.50
6	6	4,987.09	4,628.77	4,270.45	3,912.13	3,553.81	3,195.49	2,837.17	2,478.85	2,120.53	1,762.21	1,403.89	1,045.57	687.25	333.07	19.29
1/4	1/4	4,979.62	4,621.30	4,262.92	3,904.66	3,546.34	3,188.02	2,829.70	2,471.38	2,113.06	1,754.74	1,396.42	1,038.10	679.76	325.91	15.08
1/2	1/2	4,972.16	4,613.84	4,255.52	3,897.20	3,538.88	3,180.56	2,822.24	2,463.92	2,105.60	1,747.82	1,388.96	1,030.64	672.32	318.88	*
3/4	3/4	4,964.69	4,606.37	4,248.05	3,888.73	3,531.41	3,173.09	2,814.71	2,456.45	2,098.13	1,739.81	1,381.49	1,023.17	664.85	311.85	
7	7	4,957.23	4,598.91	4,240.59	3,882.27	3,523.95	3,165.16	2,809.67	2,448.99	2,093.20	1,732.55	1,374.03	1,015.71	657.92	304.82	
1/4	1/4	4,949.76	4,591.44	4,233.12	3,874.80	3,516.48	3,158.16	2,799.84	2,441.52	2,083.20	1,724.88	1,366.56	1,008.24	649.39	297.79	
1/2	1/2	4,942.30	4,583.98	4,225.66	3,867.34	3,509.02	3,149.30	2,792.92	2,434.56	2,075.74	1,717.42	1,359.10	1,000.78	642.46	290.76	
3/4	3/4	4,934.83	4,576.51	4,218.19	3,859.87	3,501.55	3,143.23	2,784.91	2,428.59	2,068.27	1,709.95	1,351.63	993.31	634.99	283.73	
8	8	4,927.37	4,569.05	4,210.73	3,852.41	3,494.09	3,135.77	2,777.45	2,419.13	2,060.81	1,702.49	1,344.17	985.85	627.53	276.69	
1/4	1/4	4,919.90	4,561.58	4,203.26	3,844.94	3,486.62	3,128.30	2,769.98	2,411.66	2,055.34	1,695.92	1,336.70	978.38	620.06	269.66	
1/2	1/2	4,912.44	4,554.12	4,195.80	3,837.48	3,479.16	3,120.84	2,762.52	2,404.20	2,048.18	1,687.56	1,329.24	970.82	612.60	262.76	
3/4	3/4	4,904.97	4,546.65	4,188.33	3,830.01	3,471.69	3,115.37	2,755.05	2,396.73	2,038.41	1,680.90	1,321.77	963.45	605.13	255.85	
9	9	4,897.51	4,539.19	4,180.87	3,822.55	3,464.23	3,105.91	2,747.59	2,388.27	2,030.95	1,672.63	1,314.31	955.99	597.67	248.94	
1/4	1/4	4,890.04	4,531.72	4,173.40	3,815.08	3,456.76	3,098.44	2,740.12	2,381.80	2,023.48	1,665.16	1,306.84	948.52	590.20	242.04	
1/2	1/2	4,882.58	4,524.26	4,165.94	3,807.62	3,449.30	3,090.98	2,732.66	2,374.34	2,016.02	1,657.70	1,299.32	941.06	582.74	235.13	
3/4	3/4	4,875.11	4,516.79	4,158.47	3,800.15	3,441.83	3,083.51	2,725.19	2,366.87	2,008.55	1,650.23	1,291.91	933.59	575.27	228.22	
10	10	4,867.65	4,509.33	4,151.01	3,792.69	3,434.37	3,076.58	2,717.73	2,359.41	2,001.09	1,642.77	1,284.45	926.13	567.81	221.31	
1/4	1/4	4,860.18	4,501.86	4,143.54	3,785.22	3,426.90	3,068.55	2,710.26	2,351.94	1,993.62	1,635.30	1,276.98	918.66	560.34	214.61	
1/2	1/2	4,852.72	4,494.40	4,136.08	3,777.76	3,419.44	3,061.12	2,702.80	2,344.48	1,986.16	1,627.84	1,269.52	911.20	552.88	207.43	
3/4	3/4	4,845.25	4,486.93	4,128.61	3,770.29	3,411.97	3,053.65	2,695.33	2,337.01	1,978.69	1,620.37	1,262.05	903.73	545.41	200.84	
11	11	4,837.79	4,479.47	4,121.15	3,762.83	3,404.51	3,046.19	2,687.87	2,329.55	1,971.23	1,612.91	1,254.59	896.27	537.95	194.06	
1/4	1/4	5,099.08	4,830.32	4,472.00	4,113.68	3,755.36	3,398.72	2,680.40	2,322.08	1,965.76	1,605.44	1,249.66	888.80	530.48	187.28	
1/2	1/2	5,098.46	4,822.86	4,464.54	4,106.22	3,747.90	3,391.26	2,672.94	2,314.62	1,956.30	1,597.98	1,239.66	881.34	523.02	180.50	
3/4	3/4	5,097.84	4,815.39	4,457.07	4,098.73	3,740.43	3,382.11	2,665.47	2,307.15	1,946.83	1,590.51	1,232.19	873.87	515.55	173.72	

* CAPACITY BELOW STRIKE POINT

REFERENCE GAUGE HEIGHT : 15'-6 1/4" (TO RIM OF 2" DIAMETER BALL VALVE LOCATED NEAR CENTER OF TANK)

WE CERTIFY ALL MEASUREMENTS AND COMPUTATIONS ARE IN ACCORDANCE WITH APPLICABLE API STANDARDS AND ARE TRUE AND CORRECT TO THE BEST OF OUR KNOWLEDGE.

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INSPECTORATE AMERICA CORPORATION



INSPECTORATE

ISO 9002 ACCREDITED

BARGE "MPC-624"

MARATHON PETROLEUM CORP.

OUTAGE TABLE

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 2161-3

	0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.	
N	0	N	0	N	0	N	0	N	0	N	0	N	0	N	0	N	0	N	0	N	0	N	0	N	0	N	0	N	0	N	0	N
0			5,146.63		4,863.40		4,504.27		4,145.13		3,786.00		3,426.86		3,067.72		2,708.59		2,349.45		1,990.32		1,631.18		1,272.04		912.91		553.77		194.64	
1/4	1/4	1/4	4,855.92	1/4	4,585.92	1/4	4,298.79	1/4	4,137.55	1/4	3,778.51	1/4	3,419.38	1/4	3,060.24	1/4	2,701.11	1/4	2,341.97	1/4	1,982.83	1/4	1,623.70	1/4	1,264.56	1/4	905.43	1/4	546.29	1/4	187.15	
1/2	1/2	1/2	4,566.44	1/2	4,285.30	1/2	4,083.30	1/2	3,771.03	1/2	3,411.90	1/2	3,052.76	1/2	2,693.62	1/2	2,334.49	1/2	1,975.35	1/2	1,616.22	1/2	1,257.08	1/2	897.94	1/2	538.81	1/2	279.67	1/2	179.67	
3/4	3/4	3/4	5,143.50	3/4	4,840.96	3/4	4,461.82	3/4	4,122.69	3/4	3,763.55	3/4	3,404.41	3/4	3,045.28	3/4	2,686.14	3/4	2,327.01	3/4	1,967.87	3/4	1,608.73	3/4	1,249.60	3/4	890.46	3/4	531.33	3/4	172.19	
1	1	1	5,141.63	1	4,833.48	1	4,474.34	1	4,115.20	1	3,756.07	1	3,396.93	1	3,037.80	1	2,678.66	1	2,319.52	1	1,960.39	1	1,601.25	1	1,242.12	1	882.98	1	523.84	1	164.71	
1/4	1/4	1/4	5,139.75	1/4	4,825.99	1/4	4,466.86	1/4	4,107.72	1/4	3,748.59	1/4	3,389.45	1/4	3,030.31	1/4	2,671.18	1/4	2,312.04	1/4	1,952.91	1/4	1,593.77	1/4	1,234.63	1/4	875.50	1/4	516.36	1/4	157.23	
1/2	1/2	1/2	5,137.88	1/2	4,818.51	1/2	4,459.38	1/2	4,100.24	1/2	3,741.10	1/2	3,381.97	1/2	3,022.83	1/2	2,663.70	1/2	2,304.56	1/2	1,945.42	1/2	1,586.29	1/2	1,227.15	1/2	868.02	1/2	508.88	1/2	149.74	
3/4	3/4	3/4	5,134.76	3/4	4,811.03	3/4	4,451.89	3/4	4,092.76	3/4	3,733.62	3/4	3,374.49	3/4	3,015.35	3/4	2,656.21	3/4	2,297.08	3/4	1,937.94	3/4	1,578.81	3/4	1,219.67	3/4	860.53	3/4	501.40	3/4	142.26	
2	2	2	5,131.63	2	4,803.55	2	4,444.41	2	4,085.28	2	3,726.14	2	3,367.00	2	3,007.87	2	2,648.73	2	2,289.60	2	1,930.46	2	1,571.32	2	1,212.19	2	853.05	2	493.92	2	134.78	
1/4	1/4	1/4	5,128.51	1/4	4,796.07	1/4	4,436.93	1/4	4,077.79	1/4	3,718.66	1/4	3,359.52	1/4	3,000.39	1/4	2,641.32	1/4	2,282.11	1/4	1,922.98	1/4	1,563.84	1/4	1,204.71	1/4	845.57	1/4	486.43	1/4	127.30	
1/2	1/2	1/2	5,125.39	1/2	4,788.58	1/2	4,429.45	1/2	4,070.31	1/2	3,711.18	1/2	3,352.04	1/2	2,992.90	1/2	2,633.77	1/2	2,274.63	1/2	1,915.50	1/2	1,556.36	1/2	1,197.22	1/2	838.09	1/2	478.95	1/2	119.82	
3/4	3/4	3/4	5,121.02	3/4	4,781.10	3/4	4,421.97	3/4	4,062.83	3/4	3,703.69	3/4	3,344.56	3/4	2,985.42	3/4	2,626.29	3/4	2,267.15	3/4	1,908.01	3/4	1,548.88	3/4	1,189.74	3/4	830.61	3/4	471.47	3/4	112.33	
3	3	3	5,116.64	3	4,773.62	3	4,414.48	3	4,055.35	3	3,696.21	3	3,337.08	3	2,977.94	3	2,618.80	3	2,259.67	3	1,900.53	3	1,541.40	3	1,182.26	3	823.12	3	463.99	3	104.55	
1/4	1/4	1/4	5,112.27	1/4	4,766.14	1/4	4,407.00	1/4	4,047.87	1/4	3,688.73	1/4	3,329.59	1/4	2,970.46	1/4	2,611.32	1/4	2,252.19	1/4	1,893.05	1/4	1,533.91	1/4	1,174.78	1/4	815.64	1/4	456.51	1/4	97.37	
1/2	1/2	1/2	5,107.90	1/2	4,758.66	1/2	4,399.52	1/2	4,040.38	1/2	3,681.25	1/2	3,322.11	1/2	2,962.98	1/2	2,603.84	1/2	2,244.70	1/2	1,885.57	1/2	1,526.43	1/2	1,167.30	1/2	808.16	1/2	449.02	1/2	89.89	
3/4	3/4	3/4	5,102.28	3/4	4,751.17	3/4	4,392.04	3/4	4,032.90	3/4	3,673.77	3/4	3,314.63	3/4	2,955.49	3/4	2,596.36	3/4	2,237.22	3/4	1,878.09	3/4	1,518.95	3/4	1,159.81	3/4	800.68	3/4	441.54	3/4	82.41	
4	4	4	5,096.66	4	4,743.69	4	4,384.56	4	4,025.42	4	3,666.28	4	3,307.15	4	2,948.01	4	2,588.88	4	2,229.74	4	1,870.60	4	1,511.47	4	1,152.33	4	793.20	4	433.06	4	74.92	
1/4	1/4	1/4	5,091.04	1/4	4,736.21	1/4	4,377.07	1/4	4,017.84	1/4	3,658.80	1/4	3,299.67	1/4	2,940.53	1/4	2,581.39	1/4	2,222.26	1/4	1,863.12	1/4	1,503.99	1/4	1,144.85	1/4	785.71	1/4	426.58	1/4	67.44	
1/2	1/2	1/2	5,085.42	1/2	4,728.73	1/2	4,368.59	1/2	4,010.46	1/2	3,651.32	1/2	3,292.18	1/2	2,933.05	1/2	2,573.91	1/2	2,214.78	1/2	1,855.64	1/2	1,496.50	1/2	1,137.37	1/2	778.23	1/2	419.10	1/2	59.96	
3/4	3/4	3/4	5,078.55	3/4	4,721.25	3/4	4,362.11	3/4	4,002.97	3/4	3,643.84	3/4	3,284.70	3/4	2,925.57	3/4	2,566.43	3/4	2,207.29	3/4	1,848.16	3/4	1,489.02	3/4	1,129.89	3/4	770.75	3/4	411.61	3/4	53.40	
5	5	5	5,071.68	5	4,713.76	5	4,354.63	5	3,995.49	5	3,636.36	5	3,277.22	5	2,918.08	5	2,558.95	5	2,199.81	5	1,840.68	5	1,481.54	5	1,122.40	5	763.27	5	404.13	5	46.84	
1/4	1/4	1/4	5,064.81	1/4	4,706.28	1/4	4,347.15	1/4	3,988.01	1/4	3,628.87	1/4	3,269.74	1/4	2,910.60	1/4	2,551.47	1/4	2,192.33	1/4	1,833.19	1/4	1,474.06	1/4	1,114.92	1/4	755.79	1/4	396.65	1/4	40.29	
1/2	1/2	1/2	5,057.94	1/2	4,698.80	1/2	4,339.66	1/2	3,980.53	1/2	3,621.39	1/2	3,262.26	1/2	2,903.12	1/2	2,543.98	1/2	2,184.85	1/2	1,825.71	1/2	1,466.58	1/2	1,107.44	1/2	748.30	1/2	389.17	1/2	33.73	
3/4	3/4	3/4	5,050.45	3/4	4,691.32	3/4	4,332.18	3/4	3,972.05	3/4	3,613.91	3/4	3,254.77	3/4	2,895.64	3/4	2,536.50	3/4	2,177.37	3/4	1,818.23	3/4	1,459.09	3/4	1,099.96	3/4	740.82	3/4	381.69	3/4	29.04	
6	6	6	5,042.97	6	4,683.84	6	4,324.70	6	3,965.56	6	3,606.43	6	3,247.29	6	2,888.16	6	2,529.02	6	2,169.88	6	1,810.75	6	1,451.61	6	1,092.48	6	733.34	6	374.20	6	24.36	
1/4	1/4	1/4	5,035.49	1/4	4,676.35	1/4	4,317.22	1/4	3,958.08	1/4	3,598.95	1/4	3,239.81	1/4	2,880.67	1/4	2,521.54	1/4	2,162.40	1/4	1,803.27	1/4	1,444.13	1/4	1,084.99	1/4	725.86	1/4	366.72	1/4	19.68	
1/2	1/2	1/2	4,968.87	1/2	4,668.87	1/2	4,309.74	1/2	3,950.60	1/2	3,591.46	1/2	3,232.33	1/2	2,873.19	1/2	2,514.06	1/2	2,154.92	1/2	1,795.78	1/2	1,436.65	1/2	1,077.51	1/2	718.38	1/2	359.24	1/2	14.99	
3/4	3/4	3/4	5,020.53	3/4	4,661.39	3/4	4,302.25	3/4	3,943.12	3/4	3,583.98	3/4	3,224.85	3/4	2,865.71	3/4	2,506.57	3/4	2,147.44	3/4	1,788.30	3/4	1,429.17	3/4	1,070.03	3/4	710.89	3/4	351.76	3/4		
7	7	7	5,013.04	7	4,653.91	7	4,294.77	7	3,935.64	7	3,576.50	7	3,217.36	7	2,858.23	7	2,499.09	7	2,139.96	7	1,780.82	7	1,421.68	7	1,062.55	7	703.41	7	344.28	7		
1/4	1/4	1/4	5,005.56	1/4	4,646.43	1/4	4,287.29	1/4	3,928.15	1/4	3,569.02	1/4	3,209.88	1/4	2,850.75	1/4	2,491.61	1/4	2,132.47	1/4	1,773.34	1/4	1,414.20	1/4	1,055.07	1/4	695.93	1/4	336.79	1/4		
1/2	1/2	1/2	4,998.08	1/2	4,638.94	1/2	4,279.81	1/2	3,920.67	1/2	3,561.54	1/2	3,202.40	1/2	2,843.26	1/2	2,484.13	1/2	2,124.99	1/2	1,765.86	1/2	1,406.72	1/2	1,047.58	1/2	688.45	1/2	329.31	1/2		
3/4	3/4	3/4	4,990.60	3/4	4,631.46																											



ISO 9002 ACCREDITED

BARGE "MPC-624"
MARATHON PETROLEUM CORP.

2 STAR

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 2161-3

	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.
0	0	5,146.00	4,855.92	4,496.79	4,137.65	3,778.51	3,419.38	3,060.24	2,701.11	2,341.97	1,982.83	1,623.70	1,264.56	905.43	546.29	187.15
1/4	0	5,145.38	4,844.46	4,489.30	4,130.17	3,771.03	3,411.90	3,052.76	2,693.62	2,334.49	1,975.35	1,616.22	1,257.10	897.04	538.81	179.67
1/2	0	5,143.50	4,840.96	4,481.82	4,122.69	3,763.55	3,404.41	3,045.28	2,686.14	2,327.01	1,967.87	1,608.73	1,249.60	890.46	531.33	172.19
3/4	0	5,141.63	4,833.48	4,474.34	4,115.20	3,756.07	3,396.93	3,037.80	2,678.66	2,319.52	1,960.39	1,601.25	1,242.12	882.98	523.84	164.71
1	1	5,138.75	4,825.99	4,466.86	4,107.72	3,748.59	3,389.45	3,030.31	2,671.18	2,310.54	1,952.91	1,593.77	1,237.15	875.50	516.36	157.23
1/4	1	5,137.88	4,816.51	4,459.38	4,100.24	3,741.10	3,381.97	3,023.17	2,663.70	2,304.06	1,945.42	1,586.29	1,227.45	868.02	508.88	149.74
1/2	1	5,134.76	4,811.03	4,451.89	4,101.35	3,737.44	3,374.35	3,015.55	2,656.21	2,297.08	1,937.94	1,578.81	1,219.67	860.51	501.40	142.26
3/4	1	5,131.63	4,803.55	4,444.41	4,085.28	3,726.14	3,367.00	3,007.87	2,648.73	2,289.60	1,930.46	1,571.32	1,212.19	852.05	493.92	134.78
2	2	5,128.51	4,796.07	4,436.35	4,077.79	3,718.66	3,359.52	3,000.39	2,641.25	2,282.11	1,922.98	1,563.84	1,204.71	843.57	486.43	127.30
1/4	2	5,125.39	4,788.58	4,429.45	4,070.31	3,711.18	3,352.04	2,992.90	2,633.77	2,274.63	1,915.50	1,556.36	1,197.22	835.09	478.95	119.82
1/2	2	5,121.02	4,781.10	4,421.97	4,062.83	3,703.69	3,342.92	2,983.42	2,626.29	2,267.15	1,908.01	1,548.88	1,189.74	826.19	471.47	112.33
3/4	2	5,116.64	4,773.62	4,414.48	4,055.35	3,696.21	3,333.08	2,974.94	2,618.80	2,259.67	1,900.53	1,541.40	1,182.26	818.62	465.99	104.85
3	3	5,112.27	4,766.14	4,407.00	4,047.87	3,688.73	3,323.59	2,970.46	2,611.32	2,252.78	1,893.05	1,533.91	1,174.78	815.64	456.51	97.37
1/4	3	5,107.28	4,758.66	4,399.52	4,040.38	3,681.25	3,322.11	2,962.98	2,603.84	2,244.70	1,885.57	1,526.43	1,167.80	808.16	449.02	89.89
1/2	3	5,102.28	4,751.17	4,392.04	4,032.90	3,673.72	3,314.63	2,955.49	2,596.38	2,237.22	1,878.09	1,518.95	1,159.81	800.68	441.54	82.41
3/4	3	5,096.66	4,743.69	4,384.56	4,025.42	3,666.28	3,307.15	2,946.01	2,588.88	2,229.74	1,870.60	1,511.47	1,152.33	793.20	434.06	74.92
4	4	5,091.04	4,736.21	4,377.07	4,017.94	3,658.80	3,299.67	2,940.53	2,581.39	2,224.26	1,863.52	1,503.99	1,144.85	785.23	426.58	67.44
1/4	4	5,085.42	4,728.73	4,369.59	4,010.96	3,651.32	3,292.18	2,933.05	2,573.91	2,217.78	1,856.16	1,496.50	1,137.87	778.71	419.10	59.96
1/2	4	5,078.55	4,721.25	4,362.11	4,002.97	3,643.84	3,284.70	2,925.57	2,566.43	2,212.30	1,848.16	1,488.02	1,129.89	770.75	411.51	53.40
3/4	4	5,071.68	4,713.76	4,354.63	3,995.49	3,636.36	3,277.22	2,918.08	2,558.95	2,209.81	1,840.68	1,481.54	1,122.82	763.27	404.13	46.84
5	5	5,064.81	4,706.28	4,347.15	3,988.01	3,628.87	3,268.74	2,910.60	2,551.47	2,192.33	1,833.19	1,474.06	1,114.92	755.79	396.65	40.29
1/4	5	5,059.94	4,698.80	4,339.66	3,980.53	3,621.39	3,262.76	2,903.12	2,543.98	2,184.85	1,825.71	1,466.58	1,107.44	748.30	389.17	33.73
1/2	5	5,050.45	4,691.32	4,332.18	3,973.05	3,613.91	3,253.64	2,895.64	2,536.50	2,175.67	1,818.23	1,459.09	1,109.96	740.82	381.69	29.04
3/4	5	5,042.97	4,683.84	4,324.70	3,965.56	3,606.43	3,242.29	2,886.16	2,527.54	2,169.88	1,810.75	1,451.61	1,092.42	733.84	374.20	24.36
6	6	5,035.49	4,676.35	4,317.22	3,958.01	3,598.95	3,239.81	2,880.67	2,521.59	2,162.40	1,803.27	1,444.13	1,084.99	725.86	366.72	19.68
1/4	6	5,028.01	4,668.87	4,309.74	3,950.60	3,591.46	3,232.33	2,873.19	2,514.06	2,154.92	1,795.78	1,436.65	1,077.51	718.38	359.24	14.99
1/2	6	5,020.53	4,661.39	4,302.25	3,943.12	3,583.98	3,224.85	2,865.17	2,506.57	2,147.46	1,788.30	1,429.17	1,070.03	710.89	351.76	*
3/4	6	5,013.04	4,653.91	4,294.77	3,935.64	3,576.50	3,217.36	2,855.23	2,499.09	2,139.94	1,780.82	1,421.68	1,062.55	703.41	344.28	
7	7	5,005.56	4,646.43	4,287.29	3,927.15	3,569.92	3,209.88	2,845.75	2,491.61	2,132.47	1,773.34	1,414.20	1,055.07	695.93	339.71	
1/4	7	4,998.08	4,638.94	4,279.81	3,920.67	3,561.54	3,202.40	2,838.28	2,484.13	2,124.99	1,765.86	1,406.72	1,047.58	688.45	329.19	
1/2	7	4,990.60	4,631.46	4,272.33	3,913.19	3,554.07	3,194.92	2,832.30	2,476.65	2,117.51	1,758.37	1,399.24	1,040.10	680.97	321.83	
3/4	7	4,983.12	4,623.98	4,264.84	3,905.71	3,546.57	3,187.44	2,823.82	2,469.16	2,110.03	1,750.89	1,391.76	1,032.62	673.48	314.35	
8	8	4,975.63	4,616.50	4,257.36	3,898.23	3,539.09	3,179.95	2,820.82	2,461.68	2,102.55	1,743.41	1,384.27	1,025.14	666.00	306.87	
1/4	8	4,968.15	4,609.02	4,249.88	3,890.74	3,531.61	3,172.47	2,813.34	2,454.20	2,095.06	1,735.93	1,376.79	1,017.66	658.52	299.38	
1/2	8	4,960.67	4,601.53	4,242.40	3,883.26	3,524.13	3,164.99	2,805.85	2,446.72	2,087.58	1,728.45	1,369.31	1,010.17	651.04	291.90	
3/4	8	4,953.19	4,594.05	4,234.92	3,875.78	3,516.64	3,157.51	2,796.87	2,439.24	2,080.10	1,720.96	1,361.83	1,002.69	643.56	284.42	
9	9	4,945.71	4,586.57	4,227.43	3,868.30	3,509.16	3,150.03	2,789.89	2,431.75	2,072.62	1,713.48	1,354.35	995.21	636.07	276.94	
1/4	9	4,938.22	4,579.09	4,219.95	3,860.82	3,501.66	3,142.54	2,783.41	2,424.27	2,065.14	1,706.00	1,346.86	987.73	628.59	269.46	
1/2	9	4,930.74	4,571.61	4,212.47	3,853.33	3,494.20	3,135.06	2,775.93	2,416.79	2,057.65	1,698.52	1,339.38	980.25	621.11	261.97	
3/4	9	4,923.26	4,564.12	4,204.99	3,845.85	3,486.72	3,127.58	2,768.44	2,409.31	2,050.17	1,691.04	1,331.90	972.76	613.63	254.49	
10	10	4,915.78	4,556.64	4,197.51	3,838.37	3,479.23	3,120.10	2,760.86	2,401.83	2,042.69	1,683.55	1,324.42	965.28	606.15	247.01	
1/4	10	4,908.30	4,549.16	4,190.02	3,830.89	3,471.75	3,112.62	2,753.39	2,394.34	2,035.21	1,676.07	1,316.94	957.80	598.66	239.53	
1/2	10	4,900.81	4,541.68	4,182.54	3,823.41	3,464.27	3,105.13	2,746.00	2,386.86	2,027.73	1,668.59	1,309.45	950.32	591.18	232.05	
3/4	10	4,893.33	4,534.20	4,175.06	3,815.92	3,456.79	3,097.65	2,738.52	2,379.38	2,020.24	1,661.11	1,301.97	942.84	583.70	224.56	
11	11	4,885.85	4,526.71	4,167.58	3,808.44	3,449.31	3,090.17	2,731.03	2,371.80	2,012.76	1,653.63	1,294.49	935.35	575.22	217.08	
1/4	11	4,878.37	4,519.23	4,160.10	3,800.96	3,441.82	3,082.69	2,723.55	2,364.32	2,005.28	1,646.14	1,287.01	927.87	566.74	209.60	
1/2	11	4,870.89	4,511.75	4,152.61	3,793.48	3,434.34	3,075.21	2,716.07	2,356.83	1,997.80	1,638.66	1,279.53	920.39	558.25	202.12	
3/4	11	4,863.40	4,504.27	4,145.13	3,786.00	3,426.86	3,067.72	2,708.59	2,349.45	1,990.32	1,631.16	1,272.04	912.91	551.77	194.64	

* CAPACITY BELOW STRIKE POINT

REFERENCE GAUGE HEIGHT: 15'-6 1/4" (TO RIM OF 2" DIAMETER BALL VALVE

WE CERTIFY ALL MEASUREMENTS AND COMPUTATIONS ARE

[Signature]

INSPECTORATE AMERICA CORPORATION



INSPECTORATE

ISO 9002 ACCREDITED

BARGE "MPC-624"
MARATHON PETROLEUM CORP.

OUTAGE TABLE

3 PORT

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 2161-3

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		
N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	N	I	
0	1	4,730.48	0	4,529.14	0	4,258.94	0	3,988.75	0	3,715.97	0	3,436.19	0	3,080.07	0	2,721.27	0	2,362.47	0	2,003.67	0	1,644.87	0	1,286.07	0	927.27	0	568.47	0	209.67		
1/4	1/4	4,523.51	1/4	4,730.11	1/4	4,253.51	1/4	3,983.12	1/4	3,710.23	1/4	3,430.05	1/4	3,075.25	1/4	2,713.79	1/4	2,354.99	1/4	1,996.19	1/4	1,638.72	1/4	1,279.12	1/4	919.79	1/4	560.99	1/4	202.19		
1/2	1/2	4,729.74	1/2	4,517.88	1/2	4,247.69	1/2	3,977.49	1/2	3,704.49	1/2	3,432.92	1/2	3,065.12	1/2	2,706.32	1/2	2,347.52	1/2	1,988.72	1/2	1,629.92	1/2	1,271.12	1/2	912.32	1/2	553.52	1/2	194.72		
3/4	3/4	4,729.37	3/4	4,512.25	3/4	4,242.06	3/4	3,971.87	3/4	3,698.06	3/4	3,416.64	3/4	3,057.64	3/4	2,698.84	3/4	2,340.04	3/4	1,981.24	3/4	1,622.44	3/4	1,263.64	3/4	904.84	3/4	546.04	3/4	187.24		
1	1	4,729.00	1	4,506.62	1	4,236.43	1	3,966.24	1	3,693.02	1	3,408.97	1	3,050.17	1	2,691.37	1	2,332.57	1	1,973.77	1	1,614.97	1	1,256.17	1	897.37	1	538.57	1	179.77		
1/4	1/4	4,727.67	1/4	4,500.99	1/4	4,230.80	1/4	3,960.61	1/4	3,687.28	1/4	3,401.49	1/4	3,042.69	1/4	2,683.89	1/4	2,325.09	1/4	1,966.29	1/4	1,607.49	1/4	1,248.69	1/4	888.89	1/4	531.09	1/4	172.29		
1/2	1/2	4,726.35	1/2	4,495.36	1/2	4,225.17	1/2	3,954.98	1/2	3,681.55	1/2	3,394.02	1/2	3,035.22	1/2	2,676.42	1/2	2,317.62	1/2	1,958.82	1/2	1,600.02	1/2	1,241.22	1/2	882.42	1/2	523.62	1/2	164.82		
3/4	3/4	4,725.02	3/4	4,489.73	3/4	4,219.54	3/4	3,949.35	3/4	3,675.81	3/4	3,386.54	3/4	3,027.74	3/4	2,668.94	3/4	2,310.14	3/4	1,951.34	3/4	1,592.54	3/4	1,233.74	3/4	874.94	3/4	516.14	3/4	157.34		
2	2	4,723.70	2	4,484.10	2	4,213.91	2	3,943.72	2	3,670.07	2	3,378.07	2	3,020.27	2	2,661.47	2	2,302.67	2	1,943.87	2	1,585.07	2	1,226.27	2	867.47	2	508.67	2	149.87		
1/4	1/4	4,721.41	1/4	4,478.48	1/4	4,208.28	1/4	3,938.09	1/4	3,664.34	1/4	3,371.59	1/4	3,012.79	1/4	2,653.99	1/4	2,295.19	1/4	1,936.39	1/4	1,577.59	1/4	1,218.79	1/4	859.99	1/4	501.19	1/4	142.39		
1/2	1/2	4,719.13	1/2	4,472.85	1/2	4,202.65	1/2	3,932.46	1/2	3,658.60	1/2	3,364.12	1/2	3,005.32	1/2	2,646.52	1/2	2,287.72	1/2	1,928.92	1/2	1,570.12	1/2	1,211.32	1/2	852.52	1/2	493.72	1/2	134.92		
3/4	3/4	4,716.85	3/4	4,467.22	3/4	4,197.03	3/4	3,926.83	3/4	3,652.86	3/4	3,356.64	3/4	2,997.84	3/4	2,639.04	3/4	2,280.24	3/4	1,921.44	3/4	1,562.64	3/4	1,203.84	3/4	845.04	3/4	486.24	3/4	127.44		
3	3	4,714.57	3	4,461.59	3	4,191.40	3	3,921.20	3	3,647.12	3	3,349.17	3	2,990.37	3	2,631.57	3	2,272.77	3	1,913.97	3	1,555.17	3	1,196.37	3	837.57	3	478.77	3	119.97		
1/4	1/4	4,711.33	1/4	4,455.96	1/4	4,185.77	1/4	3,915.58	1/4	3,641.39	1/4	3,341.69	1/4	2,982.89	1/4	2,624.09	1/4	2,265.29	1/4	1,906.49	1/4	1,547.69	1/4	1,188.89	1/4	830.09	1/4	471.29	1/4	112.49		
1/2	1/2	4,708.09	1/2	4,450.33	1/2	4,180.14	1/2	3,909.95	1/2	3,635.65	1/2	3,334.22	1/2	2,975.42	1/2	2,616.62	1/2	2,257.82	1/2	1,898.02	1/2	1,540.22	1/2	1,181.42	1/2	822.62	1/2	463.82	1/2	105.02		
3/4	3/4	4,704.85	3/4	4,444.70	3/4	4,174.51	3/4	3,904.32	3/4	3,629.91	3/4	3,326.74	3/4	2,969.47	3/4	2,610.14	3/4	2,250.34	3/4	1,891.54	3/4	1,532.74	3/4	1,173.34	3/4	815.14	3/4	458.34	3/4	97.54		
4	4	4,701.62	4	4,439.07	4	4,168.88	4	3,889.69	4	3,624.18	4	3,311.79	4	2,960.47	4	2,601.67	4	2,242.87	4	1,884.07	4	1,525.27	4	1,166.47	4	807.67	4	448.87	4	87.67	4	90.07
1/4	1/4	4,697.42	1/4	4,433.44	1/4	4,163.25	1/4	3,883.06	1/4	3,618.44	1/4	3,311.79	1/4	2,952.99	1/4	2,594.19	1/4	2,235.39	1/4	1,876.59	1/4	1,517.79	1/4	1,158.99	1/4	800.19	1/4	441.39	1/4	82.59		
1/2	1/2	4,693.23	1/2	4,427.81	1/2	4,157.62	1/2	3,887.43	1/2	3,612.70	1/2	3,304.32	1/2	2,945.52	1/2	2,586.72	1/2	2,227.92	1/2	1,869.12	1/2	1,510.32	1/2	1,151.52	1/2	792.72	1/2	433.92	1/2	75.12		
3/4	3/4	4,689.03	3/4	4,422.19	3/4	4,151.99	3/4	3,881.80	3/4	3,606.97	3/4	3,296.84	3/4	2,938.04	3/4	2,579.24	3/4	2,220.44	3/4	1,861.64	3/4	1,502.84	3/4	1,144.04	3/4	785.24	3/4	426.44	3/4	67.64		
5	5	4,684.84	5	4,416.56	5	4,146.36	5	3,876.17	5	3,601.23	5	3,288.37	5	2,930.57	5	2,571.77	5	2,212.97	5	1,854.17	5	1,495.37	5	1,136.57	5	777.77	5	418.97	5	41.97	5	60.17
1/4	1/4	4,679.69	1/4	4,410.93	1/4	4,140.74	1/4	3,870.54	1/4	3,595.49	1/4	3,281.89	1/4	2,923.09	1/4	2,564.29	1/4	2,205.49	1/4	1,846.69	1/4	1,487.89	1/4	1,129.09	1/4	770.29	1/4	411.49	1/4	53.63		
1/2	1/2	4,674.53	1/2	4,405.30	1/2	4,135.11	1/2	3,864.91	1/2	3,589.75	1/2	3,274.42	1/2	2,916.62	1/2	2,556.82	1/2	2,198.02	1/2	1,839.22	1/2	1,480.42	1/2	1,121.62	1/2	762.82	1/2	404.02	1/2	47.10		
3/4	3/4	4,669.38	3/4	4,399.67	3/4	4,129.48	3/4	3,859.29	3/4	3,584.02	3/4	3,269.94	3/4	2,908.14	3/4	2,549.34	3/4	2,190.54	3/4	1,831.74	3/4	1,472.94	3/4	1,114.14	3/4	755.34	3/4	396.54	3/4	40.57		
6	6	4,664.23	6	4,394.04	6	4,123.85	6	3,853.66	6	3,578.28	6	3,259.47	6	2,900.67	6	2,541.87	6	2,183.07	6	1,824.27	6	1,465.47	6	1,106.67	6	747.87	6	389.87	6	34.03	6	34.03
1/4	1/4	4,658.60	1/4	4,388.41	1/4	4,118.22	1/4	3,847.92	1/4	3,572.54	1/4	3,251.99	1/4	2,893.19	1/4	2,534.39	1/4	2,175.59	1/4	1,816.79	1/4	1,457.99	1/4	1,099.19	1/4	740.39	1/4	381.59	1/4	29.37		
1/2	1/2	4,652.97	1/2	4,382.78	1/2	4,112.59	1/2	3,842.18	1/2	3,566.81	1/2	3,244.52	1/2	2,885.72	1/2	2,526.92	1/2	2,168.12	1/2	1,809.32	1/2	1,450.52	1/2	1,091.72	1/2	732.92	1/2	374.12	1/2	24.70		
3/4	3/4	4,647.35	3/4	4,377.15	3/4	4,106.96	3/4	3,836.45	3/4	3,561.03	3/4	3,237.04	3/4	2,878.24	3/4	2,519.44	3/4	2,160.64	3/4	1,801.84	3/4	1,443.04	3/4	1,084.24	3/4	725.44	3/4	366.64	3/4	20.03		
7	7	4,641.72	7	4,371.52	7	4,101.33	7	3,830.71	7	3,555.26	7	3,229.57	7	2,870.77	7	2,511.97	7	2,153.17	7	1,794.37	7	1,435.57	7	1,076.77	7	717.97	7	359.17	7	359.17	7	15.36
1/4	1/4	4,636.09	1/4	4,365.90	1/4	4,095.70	1/4	3,819.23	1/4	3,543.71	1/4	3,222.09	1/4	2,863.29	1/4	2,504.49	1/4	2,145.69	1/4	1,786.89	1/4	1,428.09	1/4	1,069.29	1/4	709.49	1/4	351.69	1/4	351.69		
1/2	1/2	4,630.46	1/2	4,360.27	1/2	4,090.07	1/2	3,819.23	1/2	3,543.71	1/2	3,214.62	1/2	2,855.82	1/2	2,497.02	1/2	2,138.22	1/2	1,779.42	1/2	1,420.62	1/2	1,061.82	1/2	703.02	1/2	344.22	1/2	344.22		
3/4	3/4	4,624.83	3/4	4,354.64	3/4	4,084.45	3/4	3,813.50	3/4	3,537.87	3/4	3,207.14	3/4	2,848.34	3/4	2,489.54	3/4	2,130.74	3/4	1,771.94	3/4	1,413.14	3/4	1,054.34	3/4	695.54	3/4	336.74	3/4	336.74		
8	8	4,619.20	8	4,349.01	8	4,078.82	8	3,807.76	8	3,532.02	8	3,1																				



BARGE "MPC-624"

MARATHON PETROLEUM CORP.

OUTAGE TABLE

3 STAR

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN																												HULL NO. 2161-3																											
N	0 FT.	N	1 FT.	N	2 FT.	N	3 FT.	N	4 FT.	N	5 FT.	N	6 FT.	N	7 FT.	N	8 FT.	N	9 FT.	N	10 FT.	N	11 FT.	N	12 FT.	N	13 FT.	N	14 FT.	N	15 FT.																								
0		0	4,730.11	0	4,553.51	0	4,253.32	0	3,983.12	0	3,710.23	0	3,430.05	0	3,072.59	0	2,713.79	0	2,354.99	0	1,996.19	0	1,637.39	0	1,278.59	0	919.79	0	560.99	0	202.19																								
1/4		1/4	4,729.74	1/4	4,517.88	1/4	4,247.66	1/4	3,977.49	1/4	3,704.49	1/4	3,423.92	1/4	3,065.12	1/4	2,706.32	1/4	2,347.52	1/4	1,988.72	1/4	1,629.92	1/4	1,271.12	1/4	912.32	1/4	553.52	1/4	194.72																								
1/2		1/2	4,729.37	1/2	4,512.25	1/2	4,242.06	1/2	3,971.87	1/2	3,698.76	1/2	3,416.44	1/2	3,057.64	1/2	2,698.84	1/2	2,340.04	1/2	1,981.24	1/2	1,622.44	1/2	1,263.64	1/2	904.84	1/2	546.04	1/2	187.24																								
3/4		3/4	4,729.00	3/4	4,506.99	3/4	4,236.43	3/4	3,966.24	3/4	3,693.12	3/4	3,408.97	3/4	3,049.69	3/4	2,691.37	3/4	2,332.57	3/4	1,973.17	3/4	1,614.97	3/4	1,256.17	3/4	897.37	3/4	538.57	3/4	179.17																								
1		1	4,727.67	1	4,500.99	1	4,230.80	1	3,960.61	1	3,687.28	1	3,401.49	1	3,042.69	1	2,683.89	1	2,325.09	1	1,966.29	1	1,607.49	1	1,248.69	1	888.89	1	531.09	1	172.29																								
1/4		1/4	4,726.35	1/4	4,495.36	1/4	4,225.17	1/4	3,954.98	1/4	3,681.55	1/4	3,394.02	1/4	3,035.22	1/4	2,676.42	1/4	2,317.62	1/4	1,958.82	1/4	1,600.02	1/4	1,241.22	1/4	882.42	1/4	523.62	1/4	164.82																								
1/2		1/2	4,725.02	1/2	4,489.73	1/2	4,219.54	1/2	3,949.35	1/2	3,675.81	1/2	3,386.54	1/2	3,027.14	1/2	2,668.94	1/2	2,310.14	1/2	1,951.34	1/2	1,592.54	1/2	1,233.74	1/2	874.94	1/2	516.14	1/2	157.34																								
3/4		3/4	4,723.70	3/4	4,484.10	3/4	4,213.91	3/4	3,943.72	3/4	3,670.07	3/4	3,378.07	3/4	3,020.27	3/4	2,661.47	3/4	2,302.67	3/4	1,943.87	3/4	1,585.07	3/4	1,226.27	3/4	867.47	3/4	508.67	3/4	149.87																								
2		2	4,721.41	2	4,478.48	2	4,208.28	2	3,938.09	2	3,664.34	2	3,371.59	2	3,012.19	2	2,653.99	2	2,295.19	2	1,936.39	2	1,577.59	2	1,218.79	2	859.99	2	501.19	2	142.39																								
1/4		1/4	4,719.13	1/4	4,472.85	1/4	4,202.65	1/4	3,932.46	1/4	3,658.60	1/4	3,364.12	1/4	3,005.32	1/4	2,646.52	1/4	2,287.72	1/4	1,928.92	1/4	1,570.12	1/4	1,211.32	1/4	852.52	1/4	493.72	1/4	134.92																								
1/2		1/2	4,716.85	1/2	4,467.22	1/2	4,197.03	1/2	3,926.83	1/2	3,652.86	1/2	3,356.64	1/2	2,997.84	1/2	2,639.04	1/2	2,280.24	1/2	1,921.44	1/2	1,562.64	1/2	1,203.84	1/2	845.04	1/2	486.24	1/2	127.44																								
3/4		3/4	4,714.57	3/4	4,461.59	3/4	4,191.40	3/4	3,921.20	3/4	3,647.12	3/4	3,349.17	3/4	2,990.37	3/4	2,631.57	3/4	2,272.77	3/4	1,913.97	3/4	1,555.17	3/4	1,196.37	3/4	837.57	3/4	478.77	3/4	97.57																								
3		3	4,711.33	3	4,455.96	3	4,185.77	3	3,915.58	3	3,641.39	3	3,341.69	3	2,982.89	3	2,624.09	3	2,265.29	3	1,906.49	3	1,547.69	3	1,188.89	3	830.09	3	471.29	3	112.49																								
1/4		1/4	4,708.09	1/4	4,450.33	1/4	4,180.14	1/4	3,909.95	1/4	3,635.65	1/4	3,334.22	1/4	2,975.42	1/4	2,616.62	1/4	2,257.82	1/4	1,899.02	1/4	1,540.22	1/4	1,181.42	1/4	822.62	1/4	463.82	1/4	105.02																								
1/2		1/2	4,704.85	1/2	4,444.70	1/2	4,174.51	1/2	3,904.32	1/2	3,629.91	1/2	3,326.74	1/2	2,967.94	1/2	2,609.14	1/2	2,250.34	1/2	1,891.54	1/2	1,532.74	1/2	1,173.94	1/2	815.14	1/2	456.34	1/2	97.54																								
3/4		3/4	4,701.62	3/4	4,439.07	3/4	4,168.88	3/4	3,898.69	3/4	3,624.18	3/4	3,319.27	3/4	2,960.47	3/4	2,601.67	3/4	2,242.87	3/4	1,884.07	3/4	1,525.27	3/4	1,166.47	3/4	807.67	3/4	448.87	3/4	90.07																								
4		4	4,697.42	4	4,433.44	4	4,163.25	4	3,893.06	4	3,618.44	4	3,311.79	4	2,952.99	4	2,594.19	4	2,235.39	4	1,876.59	4	1,517.79	4	1,158.99	4	800.19	4	441.39	4	82.59																								
1/4		1/4	4,693.23	1/4	4,427.81	1/4	4,157.62	1/4	3,887.43	1/4	3,613.70	1/4	3,304.32	1/4	2,945.52	1/4	2,586.72	1/4	2,227.92	1/4	1,869.12	1/4	1,510.32	1/4	1,151.52	1/4	792.72	1/4	433.92	1/4	75.12																								
1/2		1/2	4,689.03	1/2	4,422.19	1/2	4,151.99	1/2	3,881.80	1/2	3,606.97	1/2	3,296.84	1/2	2,938.04	1/2	2,579.24	1/2	2,220.44	1/2	1,861.64	1/2	1,502.84	1/2	1,144.04	1/2	785.24	1/2	426.44	1/2	67.64																								
3/4		3/4	4,684.84	3/4	4,416.56	3/4	4,146.36	3/4	3,876.17	3/4	3,601.23	3/4	3,289.37	3/4	2,930.57	3/4	2,571.77	3/4	2,212.97	3/4	1,854.17	3/4	1,495.37	3/4	1,136.57	3/4	777.77	3/4	418.97	3/4	60.17																								
5		5	4,679.69	5	4,410.93	5	4,140.74	5	3,870.54	5	3,595.49	5	3,281.89	5	2,923.09	5	2,564.29	5	2,205.49	5	1,846.69	5	1,487.89	5	1,129.09	5	770.29	5	411.49	5	53.63																								
1/4		1/4	4,674.53	1/4	4,405.30	1/4	4,135.11	1/4	3,864.91	1/4	3,589.75	1/4	3,274.42	1/4	2,915.62	1/4	2,556.82	1/4	2,198.02	1/4	1,839.22	1/4	1,480.42	1/4	1,121.62	1/4	762.82	1/4	404.02	1/4	47.10																								
1/2		1/2	4,669.38	1/2	4,399.67	1/2	4,129.48	1/2	3,859.29	1/2	3,584.02	1/2	3,269.94	1/2	2,908.14	1/2	2,549.94	1/2	2,190.54	1/2	1,831.74	1/2	1,472.94	1/2	1,114.14	1/2	755.34	1/2	396.54	1/2	40.57																								
3/4		3/4	4,664.23	3/4	4,394.04	3/4	4,123.85	3/4	3,853.66	3/4	3,558.28	3/4	3,259.47	3/4	2,900.67	3/4	2,541.87	3/4	2,183.07	3/4	1,824.27	3/4	1,465.47	3/4	1,106.67	3/4	747.87	3/4	389.07	3/4	34.03																								
6		6	4,658.60	6	4,388.41	6	4,118.22	6	3,847.92	6	3,572.54	6	3,251.99	6	2,893.19	6	2,534.39	6	2,175.59	6	1,816.79	6	1,457.99	6	1,099.19	6	740.39	6	381.59	6	29.57																								
1/4		1/4	4,652.97	1/4	4,382.78	1/4	4,112.59	1/4	3,842.18	1/4	3,566.81	1/4	3,244.52	1/4	2,885.12	1/4	2,526.92	1/4	2,168.12	1/4	1,809.32	1/4	1,450.52	1/4	1,091.72	1/4	732.92	1/4	374.12	1/4	24.70																								
1/2		1/2	4,647.35	1/2	4,377.15	1/2	4,106.96	1/2	3,836.45	1/2	3,561.03	1/2	3,231.04	1/2	2,878.24	1/2	2,519.44	1/2	2,160.64	1/2	1,801.84	1/2	1,443.04	1/2	1,084.24	1/2	725.44	1/2	366.64	1/2	20.03																								
3/4		3/4	4,641.72	3/4	4,371.52	3/4	4,101.33	3/4	3,830.71	3/4	3,555.26	3/4	3,229.57	3/4	2,870.77	3/4	2,511.97	3/4	2,153.17	3/4	1,794.37	3/4	1,435.57	3/4	1,076.77	3/4	717.97	3/4	359.17	3/4	15.36																								
7		7	4,636.09	7	4,365.90	7	4,095.70	7	3,824.97	7	3,549.49	7	3,222.09	7	2,863.29	7	2,504.49	7	2,145.69	7	1,786.89	7	1,428.09	7	1,069.29	7	710.49	7	351.69	7																									
1/4		1/4	4,630.46	1/4	4,360.27	1/4	4,090.07	1/4	3,819.23	1/4	3,543.71	1/4	3,214.62	1/4	2,855.82	1/4	2,496.94	1/4	2,138.22	1/4	1,779.42	1/4	1,420.62	1/4	1,061.82	1/4	703.02	1/4	344.22	1/4																									
1/2		1/2	4,624.83	1/2	4,354.64	1/2	4,084.45	1/2	3,813.50	1/2	3,537.87	1/2	3,207.14	1/2	2,848.34	1/2	2,489.54	1/2	2,130.74	1/2	1,771.94	1/2	1,413.14	1/2	1,054.34	1/2	695.54	1/2	336.74	1/2																									
3/4		3/4	4,619.20	3/4	4,349.01	3/4	4,078.82	3/4	3,807.76	3/4	3,532.02	3/4	3,199.67	3/4	2,840.87	3/4	2,482.07	3/4	2,123.27</																																				