



BARGE "MPC-811"
MARATHON PETROLEUM CORP.

OUTAGE TABLE

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

HULL NO. 2170-2

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.	
IN	W	IN	W	IN	W	IN	W	IN	W	IN	W	IN	W	IN	W	IN	W	IN	W	IN	W	IN	W	IN	W	IN	W	IN	W	IN	W
0	0	5,087.61	0	4,819.30	0	4,461.90	0	4,104.49	0	3,747.08	0	3,389.67	0	3,032.26	0	2,674.86	0	2,317.45	0	1,960.04	0	1,602.63	0	1,245.22	0	887.82	0	530.41	0	187.28	
1/4	1/4	5,086.99	1/4	4,811.86	1/4	4,454.45	1/4	4,097.04	1/4	3,739.63	1/4	3,382.23	1/4	3,024.82	1/4	2,667.41	1/4	2,310.00	1/4	1,952.59	1/4	1,595.19	1/4	1,237.78	1/4	880.37	1/4	522.96	1/4	180.50	
1/2	1/2	5,086.36	1/2	4,804.41	1/2	4,447.00	1/2	4,089.60	1/2	3,732.19	1/2	3,374.78	1/2	3,017.37	1/2	2,661.96	1/2	2,302.56	1/2	1,945.15	1/2	1,587.74	1/2	1,230.33	1/2	872.92	1/2	515.52	1/2	173.72	
3/4	3/4	5,085.74	3/4	4,796.97	3/4	4,439.56	3/4	4,082.15	3/4	3,724.74	3/4	3,367.33	3/4	3,009.93	3/4	2,652.52	3/4	2,297.11	3/4	1,937.70	3/4	1,580.29	3/4	1,222.89	3/4	865.48	3/4	508.07	3/4	166.93	
1	1	5,085.12	1	4,789.52	1	4,432.11	1	4,074.70	1	3,717.30	1	3,359.89	1	3,002.48	1	2,645.07	1	2,287.66	1	1,929.26	1	1,572.85	1	1,215.44	1	850.03	1	500.67	1	160.15	
1/4	1/4	5,083.25	1/4	4,782.07	1/4	4,424.67	1/4	4,067.26	1/4	3,709.85	1/4	3,352.44	1/4	2,995.03	1/4	2,637.63	1/4	2,280.22	1/4	1,922.81	1/4	1,565.40	1/4	1,207.99	1/4	850.59	1/4	493.22	1/4	153.49	
1/2	1/2	5,081.39	1/2	4,774.63	1/2	4,417.22	1/2	4,059.81	1/2	3,702.40	1/2	3,345.00	1/2	2,987.59	1/2	2,630.18	1/2	2,272.77	1/2	1,915.36	1/2	1,557.96	1/2	1,200.55	1/2	843.14	1/2	485.82	1/2	146.84	
3/4	3/4	4,767.18	3/4	4,757.18	3/4	4,409.77	3/4	4,052.37	3/4	3,694.96	3/4	3,337.55	3/4	2,980.14	3/4	2,622.73	3/4	2,265.33	3/4	1,907.92	3/4	1,550.61	3/4	1,193.10	3/4	835.69	3/4	478.41	3/4	140.18	
1	1	5,077.65	1	4,759.74	1	4,402.33	1	4,044.92	1	3,687.51	1	3,330.10	1	2,972.70	1	2,615.29	1	2,257.88	1	1,900.47	1	1,543.06	1	1,185.66	1	828.25	1	471.01	1	133.52	
1/4	1/4	5,074.54	1/4	4,752.29	1/4	4,394.88	1/4	4,037.47	1/4	3,680.07	1/4	3,315.21	1/4	2,957.80	1/4	2,600.40	1/4	2,242.99	1/4	1,885.58	1/4	1,528.17	1/4	1,170.76	1/4	813.36	1/4	456.20	1/4	120.20	
1/2	1/2	5,071.43	1/2	4,744.84	1/2	4,387.44	1/2	4,030.03	1/2	3,672.62	1/2	3,315.21	1/2	2,957.80	1/2	2,600.40	1/2	2,242.99	1/2	1,885.58	1/2	1,528.17	1/2	1,170.76	1/2	813.36	1/2	456.20	1/2	120.20	
3/4	3/4	5,068.32	3/4	4,737.40	3/4	4,378.99	3/4	4,022.58	3/4	3,657.17	3/4	3,307.77	3/4	2,950.36	3/4	2,592.95	3/4	2,235.54	3/4	1,878.13	3/4	1,520.73	3/4	1,163.32	3/4	805.91	3/4	446.80	3/4	113.55	
1	1	5,065.21	1	4,729.95	1	4,372.84	1	4,015.14	1	3,657.73	1	3,300.32	1	2,942.91	1	2,585.50	1	2,228.10	1	1,870.69	1	1,513.28	1	1,155.87	1	798.46	1	441.39	1	105.89	
1/4	1/4	5,060.85	1/4	4,722.51	1/4	4,365.10	1/4	4,007.69	1/4	3,650.28	1/4	3,292.87	1/4	2,935.47	1/4	2,578.06	1/4	2,220.65	1/4	1,863.24	1/4	1,505.83	1/4	1,148.43	1/4	791.02	1/4	434.11	1/4	100.36	
1/2	1/2	5,056.50	1/2	4,715.06	1/2	4,357.65	1/2	4,000.24	1/2	3,642.84	1/2	3,285.43	1/2	2,928.02	1/2	2,570.61	1/2	2,213.20	1/2	1,855.80	1/2	1,498.39	1/2	1,140.98	1/2	783.57	1/2	428.83	1/2	93.82	
3/4	3/4	5,052.14	3/4	4,707.61	3/4	4,350.21	3/4	3,992.80	3/4	3,635.39	3/4	3,277.98	3/4	2,920.57	3/4	2,563.17	3/4	2,205.76	3/4	1,848.35	3/4	1,490.94	3/4	1,133.53	3/4	776.13	3/4	419.55	3/4	87.29	
1	1	5,047.78	1	4,700.17	1	4,342.76	1	3,985.35	1	3,627.94	1	3,270.54	1	2,913.13	1	2,555.72	1	2,198.31	1	1,840.90	1	1,483.50	1	1,126.09	1	768.68	1	412.27	1	80.76	
1/4	1/4	5,042.18	1/4	4,692.72	1/4	4,335.31	1/4	3,977.91	1/4	3,620.50	1/4	3,263.09	1/4	2,905.68	1/4	2,548.32	1/4	2,190.87	1/4	1,833.46	1/4	1,476.05	1/4	1,118.64	1/4	761.23	1/4	404.99	1/4	74.22	
1/2	1/2	5,036.58	1/2	4,685.28	1/2	4,327.87	1/2	3,970.46	1/2	3,613.05	1/2	3,255.64	1/2	2,898.24	1/2	2,540.83	1/2	2,183.42	1/2	1,826.01	1/2	1,468.60	1/2	1,111.20	1/2	753.79	1/2	397.71	1/2	67.69	
3/4	3/4	5,030.98	3/4	4,677.83	3/4	4,320.42	3/4	3,963.01	3/4	3,605.61	3/4	3,248.20	3/4	2,890.79	3/4	2,533.38	3/4	2,175.97	3/4	1,818.57	3/4	1,461.16	3/4	1,103.75	3/4	746.34	3/4	390.43	3/4	61.16	
1	1	5,025.38	1	4,670.38	1	4,312.88	1	3,955.57	1	3,598.16	1	3,240.75	1	2,883.34	1	2,525.84	1	2,168.53	1	1,811.12	1	1,453.71	1	1,096.30	1	738.90	1	383.15	1	54.52	
1/4	1/4	5,018.54	1/4	4,662.94	1/4	4,305.53	1/4	3,948.12	1/4	3,590.71	1/4	3,233.31	1/4	2,876.90	1/4	2,518.49	1/4	2,161.08	1/4	1,803.67	1/4	1,446.27	1/4	1,088.86	1/4	731.45	1/4	376.00	1/4	48.95	
1/2	1/2	5,011.70	1/2	4,655.49	1/2	4,298.08	1/2	3,940.68	1/2	3,583.27	1/2	3,225.86	1/2	2,868.45	1/2	2,511.04	1/2	2,153.64	1/2	1,796.23	1/2	1,438.82	1/2	1,081.41	1/2	724.00	1/2	366.84	1/2	43.27	
3/4	3/4	5,004.85	3/4	4,648.05	3/4	4,290.64	3/4	3,933.23	3/4	3,575.82	3/4	3,218.41	3/4	2,861.01	3/4	2,503.60	3/4	2,146.19	3/4	1,788.78	3/4	1,431.37	3/4	1,073.97	3/4	716.56	3/4	361.69	3/4	37.60	
1	1	4,998.01	1	4,640.60	1	4,283.19	1	3,925.78	1	3,568.38	1	3,210.97	1	2,853.56	1	2,496.15	1	2,138.74	1	1,781.34	1	1,423.93	1	1,066.52	1	709.11	1	354.53	1	31.92	
1/4	1/4	4,990.56	1/4	4,633.15	1/4	4,275.75	1/4	3,918.34	1/4	3,560.93	1/4	3,203.52	1/4	2,846.11	1/4	2,488.71	1/4	2,131.30	1/4	1,773.89	1/4	1,416.48	1/4	1,059.07	1/4	701.67	1/4	347.38	1/4	27.71	
1/2	1/2	4,983.12	1/2	4,625.71	1/2	4,268.30	1/2	3,910.89	1/2	3,553.48	1/2	3,196.08	1/2	2,838.67	1/2	2,481.26	1/2	2,123.85	1/2	1,766.44	1/2	1,409.04	1/2	1,051.63	1/2	694.22	1/2	340.22	1/2	23.50	
3/4	3/4	4,975.67	3/4	4,618.26	3/4	4,260.85	3/4	3,903.45	3/4	3,546.04	3/4	3,188.63	3/4	2,831.22	3/4	2,473.81	3/4	2,116.41	3/4	1,759.00	3/4	1,401.59	3/4	1,044.18	3/4	688.77	3/4	333.07	3/4	19.29	
1	1	4,968.22	1	4,610.82	1	4,253.41	1	3,886.00	1	3,528.59	1	3,171.18	1	2,816.73	1	2,460.37	1	2,108.96	1	1,751.55	1	1,394.14	1	1,035.74	1	679.33	1	325.91	1	7	
1/4	1/4	4,960.78	1/4	4,603.37	1/4	4,245.96	1/4	3,888.55	1/4	3,531.15	1/4	3,173.74	1/4	2,816.33	1/4	2,458.92	1/4	2,101.51	1/4	1,744.11	1/4	1,386.70	1/4	1,029.29	1/4	671.88	1/4	318.88	1/4	15.08	
1/2	1/2	4,953.33	1/2	4,595.92	1/2	4,238.52	1/2	3,881.11	1/2	3,523.70	1/2	3,166.29	1/2	2,808.88	1/2	2,451.48	1/2	2,094.07	1/2	1,736.66	1/2	1,379.25	1/2	1,021.84	1/2	664.44	1/2	311.85	1/2	15.08	
3/4	3/4	4,945.89	3/4	4,588.48	3/4	4,231.07	3/4	3,873.66	3/4	3,516.25	3/4	3,158.85	3/4	2,801.44	3/4	2,444.03	3/4	2,086.62	3/4	1,729.21	3/4	1,371.81	3/4	1,014.40	3/4	656.99	3/4	304.82	3/4	15.08	
1	1	4,938.44	1	4,581.03	1	4,223.62	1																								



BARGE "MPC-811"
MARATHON PETROLEUM CORP.
OUTAGE TABLE

1 STAR

BARGE SHOULD BE ON EVEN LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 2170-2

	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.	
	W	H	W	H	W	H	W	H	W	H	W	H	W	H	W	H	W	H	W	H	W	H	W	H	W	H	W	H	W	H	W	H
0	0	0	0	0	4.826.75	0	4.469.34	0	4.111.93	0	3.754.53	0	3.397.12	0	3.039.71	0	2.682.30	0	2.324.89	0	1.967.49	0	1.610.08	0	1.252.67	0	899.26	0	537.85	0	194.06	0
1/4	1/4	1/4	1/4	1/4	4.819.30	1/4	4.461.90	1/4	4.104.49	1/4	3.747.08	1/4	3.389.67	1/4	3.032.26	1/4	2.674.86	1/4	2.317.45	1/4	1.960.04	1/4	1.602.63	1/4	1,245.22	1/4	887.82	1/4	530.41	1/4	187.28	1/4
1/2	1/2	1/2	1/2	1/2	4.811.86	1/2	4.454.45	1/2	4.057.04	1/2	3.739.63	1/2	3.382.25	1/2	3.024.84	1/2	2.667.41	1/2	2.310.00	1/2	1,956.19	1/2	1,596.19	1/2	1,237.78	1/2	880.37	1/2	522.96	1/2	180.50	1/2
3/4	3/4	3/4	3/4	3/4	4.806.36	3/4	4.447.00	3/4	4.089.60	3/4	3.732.19	3/4	3.374.78	3/4	3.017.37	3/4	2.669.96	3/4	2.302.56	3/4	1,945.15	3/4	1,587.74	3/4	1,230.33	3/4	872.92	3/4	515.52	3/4	173.72	3/4
1	1	1	1	1	4.796.97	1	4.439.56	1	4.082.15	1	3,724.74	1	3,367.33	1	3,009.93	1	2,652.52	1	2,295.11	1	1,937.70	1	1,580.29	1	1,222.89	1	866.48	1	508.07	1	166.93	1
1/4	1/4	1/4	1/4	1/4	4.789.52	1/4	4.432.11	1/4	4.074.70	1/4	3,717.30	1/4	3,359.89	1/4	3,002.48	1/4	2,645.07	1/4	2,287.66	1/4	1,930.26	1/4	1,572.85	1/4	1,215.44	1/4	856.03	1/4	500.62	1/4	160.15	1/4
1/2	1/2	1/2	1/2	1/2	4.782.07	1/2	4.424.67	1/2	4.067.26	1/2	3,709.85	1/2	3,352.44	1/2	2,995.03	1/2	2,637.63	1/2	2,280.22	1/2	1,922.81	1/2	1,565.40	1/2	1,207.99	1/2	850.59	1/2	493.32	1/2	153.49	1/2
3/4	3/4	3/4	3/4	3/4	4.774.63	3/4	4.417.22	3/4	4.059.81	3/4	3,702.40	3/4	3,346.00	3/4	2,987.59	3/4	2,630.18	3/4	2,272.77	3/4	1,915.36	3/4	1,557.96	3/4	1,200.55	3/4	843.14	3/4	485.82	3/4	146.84	3/4
2	2	2	2	2	4.767.18	2	4.409.77	2	4.052.37	2	3,694.96	2	3,337.55	2	2,980.14	2	2,622.73	2	2,265.33	2	1,907.92	2	1,550.51	2	1,193.10	2	835.69	2	478.01	2	140.18	2
1/4	1/4	1/4	1/4	1/4	4.759.74	1/4	4.402.33	1/4	4.044.92	1/4	3,687.51	1/4	3,330.10	1/4	2,972.70	1/4	2,615.29	1/4	2,257.88	1/4	1,900.47	1/4	1,543.06	1/4	1,185.66	1/4	828.25	1/4	471.01	1/4	133.52	1/4
1/2	1/2	1/2	1/2	1/2	4.752.29	1/2	4.394.88	1/2	4.037.47	1/2	3,680.07	1/2	3,322.66	1/2	2,965.25	1/2	2,607.84	1/2	2,250.43	1/2	1,893.03	1/2	1,535.62	1/2	1,178.21	1/2	820.80	1/2	463.60	1/2	126.66	1/2
3/4	3/4	3/4	3/4	3/4	4.744.84	3/4	4.387.44	3/4	4.030.03	3/4	3,672.62	3/4	3,315.21	3/4	2,957.80	3/4	2,600.40	3/4	2,242.99	3/4	1,885.58	3/4	1,528.17	3/4	1,170.76	3/4	813.36	3/4	456.20	3/4	120.20	3/4
3	3	3	3	3	4.737.40	3	4.379.99	3	4.022.58	3	3,665.17	3	3,307.77	3	2,950.36	3	2,592.95	3	2,235.54	3	1,878.13	3	1,513.28	3	1,163.32	3	805.91	3	448.80	3	113.55	3
1/4	1/4	1/4	1/4	1/4	4.729.95	1/4	4.372.54	1/4	4.015.14	1/4	3,657.73	1/4	3,292.87	1/4	2,942.91	1/4	2,585.50	1/4	2,228.10	1/4	1,870.69	1/4	1,507.83	1/4	1,155.87	1/4	798.46	1/4	441.39	1/4	106.89	1/4
1/2	1/2	1/2	1/2	1/2	4.722.51	1/2	4.365.10	1/2	4.007.69	1/2	3,650.28	1/2	3,282.87	1/2	2,935.47	1/2	2,578.06	1/2	2,220.65	1/2	1,863.24	1/2	1,500.83	1/2	1,148.43	1/2	791.02	1/2	434.11	1/2	100.36	1/2
3/4	3/4	3/4	3/4	3/4	4.715.06	3/4	4,357.65	3/4	4,000.24	3/4	3,642.84	3/4	3,288.43	3/4	2,928.82	3/4	2,570.61	3/4	2,213.20	3/4	1,855.80	3/4	1,498.39	3/4	1,140.98	3/4	783.57	3/4	426.83	3/4	93.82	3/4
4	4	4	4	4	4.707.61	4	4.350.21	4	3,992.80	4	3,635.39	4	3,277.98	4	2,920.57	4	2,563.17	4	2,205.76	4	1,848.35	4	1,490.94	4	1,133.53	4	776.13	4	419.95	4	87.29	4
1/4	1/4	1/4	1/4	1/4	4.700.17	1/4	4.342.76	1/4	3,985.35	1/4	3,627.94	1/4	3,270.54	1/4	2,913.13	1/4	2,555.72	1/4	2,198.31	1/4	1,840.90	1/4	1,483.50	1/4	1,126.09	1/4	768.68	1/4	412.27	1/4	80.76	1/4
1/2	1/2	1/2	1/2	1/2	4.692.72	1/2	4.335.31	1/2	3,977.91	1/2	3,620.50	1/2	3,263.09	1/2	2,905.68	1/2	2,548.27	1/2	2,190.87	1/2	1,833.46	1/2	1,476.05	1/2	1,118.64	1/2	753.79	1/2	404.99	1/2	74.22	1/2
3/4	3/4	3/4	3/4	3/4	4.685.28	3/4	4.327.87	3/4	3,970.46	3/4	3,613.05	3/4	3,255.64	3/4	2,898.24	3/4	2,540.83	3/4	2,183.42	3/4	1,828.01	3/4	1,468.60	3/4	1,111.20	3/4	751.23	3/4	397.71	3/4	67.69	3/4
5	5	5	5	5	4.677.83	5	4.320.42	5	3,963.01	5	3,605.61	5	3,248.20	5	2,890.79	5	2,533.38	5	2,175.97	5	1,818.57	5	1,461.16	5	1,103.75	5	746.34	5	390.43	5	61.16	5
1/4	1/4	1/4	1/4	1/4	4.670.38	1/4	4,312.98	1/4	3,955.57	1/4	3,598.16	1/4	3,240.75	1/4	2,883.34	1/4	2,525.94	1/4	2,168.53	1/4	1,811.12	1/4	1,453.71	1/4	1,096.30	1/4	738.90	1/4	383.15	1/4	54.62	1/4
1/2	1/2	1/2	1/2	1/2	4.662.94	1/2	4,305.53	1/2	3,948.12	1/2	3,590.71	1/2	3,233.31	1/2	2,875.90	1/2	2,518.49	1/2	2,161.08	1/2	1,803.67	1/2	1,446.27	1/2	1,088.86	1/2	731.45	1/2	376.00	1/2	48.95	1/2
3/4	3/4	3/4	3/4	3/4	4.655.49	3/4	4,298.08	3/4	3,940.68	3/4	3,583.27	3/4	3,225.86	3/4	2,868.45	3/4	2,511.04	3/4	2,151.64	3/4	1,796.23	3/4	1,438.82	3/4	1,081.41	3/4	724.00	3/4	368.84	3/4	43.27	3/4
6	6	6	6	6	4.648.05	6	4,289.64	6	3,933.23	6	3,575.82	6	3,218.41	6	2,861.01	6	2,503.60	6	2,146.19	6	1,788.78	6	1,431.37	6	1,073.97	6	716.56	6	361.69	6	37.60	6
1/4	1/4	1/4	1/4	1/4	4.640.60	1/4	4,283.19	1/4	3,925.78	1/4	3,569.38	1/4	3,210.97	1/4	2,853.56	1/4	2,496.15	1/4	2,138.74	1/4	1,781.34	1/4	1,423.93	1/4	1,066.52	1/4	709.11	1/4	354.53	1/4	31.92	1/4
1/2	1/2	1/2	1/2	1/2	4.633.15	1/2	4,275.75	1/2	3,918.34	1/2	3,560.93	1/2	3,203.52	1/2	2,846.11	1/2	2,488.71	1/2	2,131.30	1/2	1,773.89	1/2	1,416.48	1/2	1,059.07	1/2	701.67	1/2	341.28	1/2	27.71	1/2
3/4	3/4	3/4	3/4	3/4	4.625.71	3/4	4,268.30	3/4	3,910.89	3/4	3,553.48	3/4	3,198.03	3/4	2,838.67	3/4	2,481.26	3/4	2,123.85	3/4	1,765.00	3/4	1,409.04	3/4	1,051.63	3/4	694.22	3/4	330.02	3/4	23.50	3/4
7	7	7	7	7	4.618.26	7	4,260.85	7	3,903.45	7	3,546.04	7	3,196.68	7	2,831.22	7	2,473.81	7	2,116.41	7	1,759.44	7	1,401.59	7	1,044.18	7	686.77	7	333.07	7	19.29	7
1/4	1/4	1/4	1/4	1/4	4.610.82	1/4	4,253.41	1/4	3,896.00	1/4	3,538.59	1/4	3,181.18	1/4	2,823.78	1/4	2,466.37	1/4	2,109.96	1/4	1,751.55	1/4	1,394.14	1/4	1,036.74	1/4	679.33	1/4	325.91	1/4	18.29	1/4
1/2	1/2	1/2	1/2	1/2	4.603.37	1/2	4,245.96	1/2	3,888.55	1/2	3,531.15	1/2	3,173.74	1/2	2,816.33	1/2	2,458.92	1/2	2,101.51	1/2	1,744.11	1/2	1,386.70	1/2	1,029.29	1/2	671.88	1/2	318.88	1/2	16.44	1/2
3/4	3/4	3/4	3/4	3/4	4.595.92	3/4	4,238.52	3/4	3,881.1																							



BARGE "MPC-811"
MARATHON PETROLEUM CORP.

OUTGAGE TABLE

2 PORT OR STAR

BARGE SHOULD BE ON EVEN-LEVEL KEEL WHEN GAUGES ARE TAKEN																														HULL NO. 2710-2																													
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	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W	N	W																												
0	0	5,147.25	0	4,870.89	0	4,511.75	0	4,152.61	0	3,793.48	0	3,434.34	0	3,075.21	0	2,716.07	0	2,356.93	0	1,997.80	0	1,638.66	0	1,279.53	0	920.39	0	561.25	0	202.12																													
1/4	1/4	5,146.63	1/4	4,863.40	1/4	4,504.27	1/4	4,145.13	1/4	3,786.00	1/4	3,426.86	1/4	3,067.72	1/4	2,708.59	1/4	2,349.45	1/4	1,990.32	1/4	1,631.18	1/4	1,272.04	1/4	912.91	1/4	553.77	1/4	194.64																													
1/2	1/2	5,146.00	1/2	4,855.92	1/2	4,496.79	1/2	4,137.65	1/2	3,778.51	1/2	3,419.38	1/2	3,060.24	1/2	2,701.11	1/2	2,341.97	1/2	1,982.93	1/2	1,623.78	1/2	1,264.56	1/2	905.43	1/2	546.29	1/2	187.15																													
3/4	3/4	5,145.38	3/4	4,848.44	3/4	4,489.30	3/4	4,130.17	3/4	3,771.03	3/4	3,411.90	3/4	3,052.76	3/4	2,693.62	3/4	2,334.49	3/4	1,975.35	3/4	1,616.22	3/4	1,257.08	3/4	897.94	3/4	538.81	3/4	179.67																													
1	1	5,143.50	1	4,840.96	1	4,481.82	1	4,122.69	1	3,763.55	1	3,404.41	1	3,045.28	1	2,686.14	1	2,327.01	1	1,967.87	1	1,608.73	1	1,249.60	1	890.46	1	531.33	1	172.19																													
1/4	1/4	5,141.63	1/4	4,833.48	1/4	4,474.34	1/4	4,115.20	1/4	3,756.07	1/4	3,396.93	1/4	3,037.80	1/4	2,678.66	1/4	2,319.52	1/4	1,960.39	1/4	1,601.25	1/4	1,242.12	1/4	882.98	1/4	523.84	1/4	164.71																													
1/2	1/2	5,139.75	1/2	4,825.99	1/2	4,466.86	1/2	4,107.72	1/2	3,748.59	1/2	3,389.45	1/2	3,030.31	1/2	2,671.18	1/2	2,310.04	1/2	1,952.91	1/2	1,593.77	1/2	1,234.63	1/2	875.50	1/2	516.36	1/2	157.23																													
3/4	3/4	5,137.88	3/4	4,818.51	3/4	4,459.38	3/4	4,100.24	3/4	3,741.10	3/4	3,381.97	3/4	3,022.83	3/4	2,663.70	3/4	2,304.56	3/4	1,945.42	3/4	1,586.29	3/4	1,227.15	3/4	868.02	3/4	508.88	3/4	149.74																													
2	2	5,134.76	2	4,811.03	2	4,451.89	2	4,093.76	2	3,733.62	2	3,374.48	2	3,015.35	2	2,656.21	2	2,297.08	2	1,937.94	2	1,578.81	2	1,219.67	2	860.53	2	501.40	2	142.26																													
1/4	1/4	5,131.63	1/4	4,803.55	1/4	4,444.41	1/4	4,085.28	1/4	3,726.14	1/4	3,367.00	1/4	3,007.87	1/4	2,648.73	1/4	2,288.91	1/4	1,930.46	1/4	1,571.32	1/4	1,212.19	1/4	853.05	1/4	493.92	1/4	134.78																													
1/2	1/2	5,128.51	1/2	4,796.07	1/2	4,436.93	1/2	4,077.79	1/2	3,718.66	1/2	3,359.52	1/2	3,000.39	1/2	2,641.25	1/2	2,282.11	1/2	1,922.98	1/2	1,563.84	1/2	1,204.71	1/2	845.57	1/2	486.43	1/2	127.30																													
3/4	3/4	5,125.39	3/4	4,788.58	3/4	4,428.45	3/4	4,070.31	3/4	3,711.18	3/4	3,352.04	3/4	2,992.92	3/4	2,633.77	3/4	2,274.63	3/4	1,915.50	3/4	1,556.36	3/4	1,197.22	3/4	838.09	3/4	478.95	3/4	119.82																													
3	3	5,121.02	3	4,781.10	3	4,421.97	3	4,062.83	3	3,703.69	3	3,344.56	3	2,985.42	3	2,626.29	3	2,267.15	3	1,908.01	3	1,548.88	3	1,189.74	3	830.61	3	471.47	3	112.33																													
1/4	1/4	5,116.64	1/4	4,773.62	1/4	4,414.48	1/4	4,055.35	1/4	3,696.21	1/4	3,337.08	1/4	2,977.94	1/4	2,618.80	1/4	2,259.67	1/4	1,900.53	1/4	1,541.40	1/4	1,182.26	1/4	823.12	1/4	463.99	1/4	104.85																													
1/2	1/2	5,112.27	1/2	4,766.14	1/2	4,407.00	1/2	4,047.87	1/2	3,688.73	1/2	3,329.59	1/2	2,970.46	1/2	2,611.32	1/2	2,252.19	1/2	1,893.05	1/2	1,533.91	1/2	1,174.78	1/2	815.64	1/2	456.51	1/2	97.37																													
3/4	3/4	5,107.90	3/4	4,758.66	3/4	4,399.52	3/4	4,040.38	3/4	3,681.25	3/4	3,322.11	3/4	2,962.98	3/4	2,603.84	3/4	2,244.70	3/4	1,885.57	3/4	1,526.43	3/4	1,167.30	3/4	808.16	3/4	449.02	3/4	89.89																													
4	4	5,102.28	4	4,751.17	4	4,392.04	4	4,032.90	4	3,673.77	4	3,314.63	4	2,955.49	4	2,596.36	4	2,237.22	4	1,878.09	4	1,518.95	4	1,159.81	4	800.68	4	441.54	4	82.41																													
1/4	1/4	5,096.66	1/4	4,743.69	1/4	4,384.56	1/4	4,024.42	1/4	3,664.28	1/4	3,307.15	1/4	2,948.01	1/4	2,588.88	1/4	2,229.74	1/4	1,870.60	1/4	1,511.47	1/4	1,152.33	1/4	793.20	1/4	434.06	1/4	74.92																													
1/2	1/2	5,091.04	1/2	4,736.21	1/2	4,377.07	1/2	4,017.94	1/2	3,658.60	1/2	3,299.47	1/2	2,940.53	1/2	2,579.74	1/2	2,222.26	1/2	1,861.32	1/2	1,503.99	1/2	1,144.85	1/2	785.71	1/2	426.58	1/2	67.44																													
3/4	3/4	5,085.42	3/4	4,728.73	3/4	4,369.59	3/4	4,010.46	3/4	3,651.32	3/4	3,292.18	3/4	2,933.05	3/4	2,573.91	3/4	2,214.78	3/4	1,855.64	3/4	1,496.50	3/4	1,137.37	3/4	778.23	3/4	419.10	3/4	59.96																													
5	5	5,078.55	5	4,721.25	5	4,362.11	5	4,002.97	5	3,643.84	5	3,284.70	5	2,925.57	5	2,566.43	5	2,207.29	5	1,848.16	5	1,489.02	5	1,129.89	5	770.75	5	411.61	5	53.40																													
1/4	1/4	5,071.68	1/4	4,713.76	1/4	4,354.63	1/4	3,995.49	1/4	3,636.36	1/4	3,277.22	1/4	2,918.08	1/4	2,558.95	1/4	2,199.81	1/4	1,840.68	1/4	1,481.54	1/4	1,122.40	1/4	763.27	1/4	404.13	1/4	46.84																													
1/2	1/2	5,064.81	1/2	4,706.28	1/2	4,347.15	1/2	3,988.01	1/2	3,628.87	1/2	3,269.74	1/2	2,910.60	1/2	2,551.47	1/2	2,192.33	1/2	1,833.19	1/2	1,472.40	1/2	1,114.92	1/2	755.79	1/2	396.65	1/2	40.29																													
3/4	3/4	5,057.94	3/4	4,698.80	3/4	4,339.66	3/4	3,982.50	3/4	3,621.39	3/4	3,262.27	3/4	2,903.12	3/4	2,544.04	3/4	2,184.85	3/4	1,825.71	3/4	1,465.88	3/4	1,107.44	3/4	748.30	3/4	389.17	3/4	33.73																													
6	6	5,050.45	6	4,691.32	6	4,332.18	6	3,973.05	6	3,613.91	6	3,254.77	6	2,895.64	6	2,536.50	6	2,177.37	6	1,818.23	6	1,459.09	6	1,099.96	6	740.82	6	381.69	6	29.04																													
1/4	1/4	5,042.97	1/4	4,683.84	1/4	4,324.70	1/4	3,965.56	1/4	3,606.43	1/4	3,247.29	1/4	2,888.16	1/4	2,529.02	1/4	2,169.88	1/4	1,810.75	1/4	1,451.61	1/4	1,092.48	1/4	733.34	1/4	374.20	1/4	24.36																													
1/2	1/2	5,035.49	1/2	4,676.35	1/2	4,317.22	1/2	3,958.08	1/2	3,598.95	1/2	3,239.81	1/2	2,880.67	1/2	2,521.54	1/2	2,162.40	1/2	1,803.27	1/2	1,444.13	1/2	1,084.99	1/2	725.86	1/2	366.72	1/2	19.68																													
3/4	3/4	5,028.01	3/4	4,668.87	3/4	4,308.74	3/4	3,950.60	3/4	3,591.46	3/4	3,232.33	3/4	2,873.19	3/4	2,514.06	3/4	2,154.92	3/4	1,795.78	3/4	1,436.65	3/4	1,077.51	3/4	718.38	3/4	359.24	3/4	14.99																													
7	7	5,020.53	7	4,661.39	7	4,302.25	7	3,943.12	7	3,583.98	7	3,224.85	7	2,865.71	7	2,506.57	7	2,147.44	7	1,788.30	7	1,429.17	7	1,070.03	7	710.89	7	351.76	7	14.99																													
1/4	1/4	5,013.04	1/4	4,653.91	1/4	4,294.77	1/4	3,935.64	1/4	3,576.50	1/4	3,217.36	1/4	2,858.23	1/4	2,499.09	1/4	2,139.96	1/4	1,780.82	1/4	1,421.68	1/4	1,062.55	1/4	703.41	1/4	344.28	1/4	14.99																													
1/2	1/2	5,005.56	1/2	4,646.43	1/2	4,287.29	1/2	3,928.15	1/2	3,569.02	1/2	3,209.88	1/2	2,860.75	1/2	2,491.61	1/2	2,132.47	1/2	1,773.34	1/2	1,414.20	1/2	1,055.07	1/2	695.93	1/2	336.79	1/2	14.99																													
3/4	3/4	4,998.08	3/4	4,638.94	3/4	4,278.81	3/4	3,920.67	3/4	3,561.54	3/4	3,202.40	3/4	2,853.26	3/4	2,484.13	3/4	2,124.99	3/4	1,765.86	3/4	1,406.72	3/4	1,047.58	3/4	688.45	3/4	329.31	3/4	14.99																													



INSPECTORATE

ISO 9002 ACCREDITED

BARGE "MPC-811"
MARATHON PETROLEUM CORP.

OUTAGE TABLE

BARGE SHOULD BE ON EVEN LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 2170-2

3 PORT

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	0	4,728.25	0	4,526.90	0	4,286.71	0	3,986.52	0	3,733.74	0	3,433.95	0	3,078.02	0	2,719.41	0	2,360.80	0	2,002.20	0	1,643.59	0	1,284.98	0	926.37	0	567.76	0	209.16	0
1/4	1/4	4,727.88	1/4	4,521.28	1/4	4,281.08	1/4	3,980.89	1/4	3,708.00	1/4	3,427.82	1/4	3,070.55	1/4	2,711.94	1/4	2,353.33	1/4	1,994.73	1/4	1,636.12	1/4	1,277.51	1/4	914.43	1/4	560.29	1/4	204.61	1/4
1/2	1/2	4,727.51	1/2	4,515.65	1/2	4,275.45	1/2	3,975.65	1/2	3,702.26	1/2	3,421.58	1/2	3,063.08	1/2	2,704.47	1/2	2,345.86	1/2	1,987.25	1/2	1,628.55	1/2	1,269.94	1/2	909.36	1/2	552.82	1/2	194.21	1/2
3/4	3/4	4,727.14	3/4	4,510.02	3/4	4,274.74	3/4	3,969.63	3/4	3,696.33	3/4	3,414.22	3/4	3,055.61	3/4	2,697.00	3/4	2,338.38	3/4	1,978.78	3/4	1,621.18	3/4	1,262.57	3/4	903.96	3/4	545.35	3/4	186.74	3/4
1	1	4,726.77	1	4,504.39	1	4,269.76	1	3,964.00	1	3,690.79	1	3,406.74	1	3,048.14	1	2,689.53	1	2,330.92	1	1,972.31	1	1,615.70	1	1,257.10	1	896.49	1	537.88	1	179.27	1
1/4	1/4	4,725.44	1/4	4,498.76	1/4	4,268.38	1/4	3,959.27	1/4	3,685.05	1/4	3,392.74	1/4	3,036.17	1/4	2,682.06	1/4	2,323.45	1/4	1,964.84	1/4	1,608.23	1/4	1,247.63	1/4	889.02	1/4	530.41	1/4	171.80	1/4
1/2	1/2	4,724.12	1/2	4,493.13	1/2	4,267.39	1/2	3,952.76	1/2	3,679.31	1/2	3,391.80	1/2	3,033.19	1/2	2,674.59	1/2	2,316.98	1/2	1,957.37	1/2	1,601.52	1/2	1,240.16	1/2	881.55	1/2	522.94	1/2	164.33	1/2
3/4	3/4	4,722.79	3/4	4,487.50	3/4	4,264.06	3/4	3,947.31	3/4	3,673.58	3/4	3,384.33	3/4	3,025.72	3/4	2,667.12	3/4	2,308.51	3/4	1,949.90	3/4	1,591.29	3/4	1,232.68	3/4	874.08	3/4	515.47	3/4	156.86	3/4
2	2	4,721.46	2	4,481.87	2	4,261.68	2	3,941.49	2	3,667.84	2	3,376.86	2	3,018.25	2	2,659.64	2	2,301.04	2	1,942.43	2	1,583.28	2	1,225.21	2	866.60	2	508.00	2	149.39	2
1/4	1/4	4,719.18	1/4	4,478.24	1/4	4,260.05	1/4	3,935.86	1/4	3,662.32	1/4	3,369.39	1/4	3,010.78	1/4	2,652.17	1/4	2,283.57	1/4	1,934.96	1/4	1,576.35	1/4	1,217.74	1/4	859.13	1/4	500.53	1/4	141.92	1/4
1/2	1/2	4,716.90	1/2	4,476.61	1/2	4,259.23	1/2	3,930.23	1/2	3,656.37	1/2	3,361.92	1/2	3,003.31	1/2	2,644.70	1/2	2,266.09	1/2	1,927.49	1/2	1,568.88	1/2	1,210.27	1/2	851.66	1/2	483.05	1/2	134.45	1/2
3/4	3/4	4,714.62	3/4	4,464.99	3/4	4,254.94	3/4	3,924.60	3/4	3,650.83	3/4	3,354.45	3/4	2,995.84	3/4	2,637.23	3/4	2,278.62	3/4	1,920.52	3/4	1,561.41	3/4	1,202.80	3/4	844.19	3/4	485.58	3/4	126.98	3/4
3	3	4,712.34	3	4,459.36	3	4,253.33	3	3,918.97	3	3,644.89	3	3,346.98	3	2,988.37	3	2,629.92	3	2,271.15	3	1,912.54	3	1,553.94	3	1,195.33	3	836.72	3	478.11	3	119.50	3
1/4	1/4	4,709.10	1/4	4,453.73	1/4	4,253.33	1/4	3,913.03	1/4	3,639.16	1/4	3,339.51	1/4	2,983.93	1/4	2,622.28	1/4	2,263.68	1/4	1,905.07	1/4	1,546.47	1/4	1,187.86	1/4	829.25	1/4	470.64	1/4	112.03	1/4
1/2	1/2	4,705.86	1/2	4,448.10	1/2	4,247.91	1/2	3,907.71	1/2	3,633.42	1/2	3,332.03	1/2	2,973.43	1/2	2,614.82	1/2	2,256.21	1/2	1,897.60	1/2	1,538.99	1/2	1,180.39	1/2	814.31	1/2	463.17	1/2	104.55	1/2
3/4	3/4	4,702.62	3/4	4,442.47	3/4	4,242.47	3/4	3,902.09	3/4	3,627.68	3/4	3,324.56	3/4	2,965.56	3/4	2,607.35	3/4	2,248.74	3/4	1,890.13	3/4	1,531.52	3/4	1,172.92	3/4	806.84	3/4	448.23	3/4	97.09	3/4
4	4	4,699.38	4	4,436.84	4	4,238.84	4	3,896.46	4	3,621.94	4	3,317.09	4	2,958.48	4	2,592.41	4	2,241.27	4	1,882.66	4	1,524.05	4	1,165.44	4	806.84	4	448.23	4	89.62	4
1/4	1/4	4,695.19	1/4	4,431.21	1/4	4,238.84	1/4	3,890.83	1/4	3,616.21	1/4	3,309.62	1/4	2,951.01	1/4	2,589.84	1/4	2,233.80	1/4	1,875.19	1/4	1,516.58	1/4	1,157.97	1/4	799.37	1/4	440.76	1/4	82.15	1/4
1/2	1/2	4,690.99	1/2	4,425.58	1/2	4,235.39	1/2	3,885.20	1/2	3,610.47	1/2	3,302.15	1/2	2,943.54	1/2	2,584.93	1/2	2,226.33	1/2	1,867.72	1/2	1,509.11	1/2	1,150.50	1/2	784.42	1/2	432.82	1/2	74.68	1/2
3/4	3/4	4,686.80	3/4	4,419.95	3/4	4,234.95	3/4	3,879.59	3/4	3,604.73	3/4	3,304.66	3/4	2,936.67	3/4	2,577.46	3/4	2,218.86	3/4	1,860.25	3/4	1,501.64	3/4	1,143.03	3/4	784.42	3/4	425.82	3/4	67.21	3/4
5	5	4,682.60	5	4,414.13	5	4,234.13	5	3,873.94	5	3,599.00	5	3,287.21	5	2,928.60	5	2,569.99	5	2,211.38	5	1,852.58	5	1,494.17	5	1,135.56	5	776.95	5	418.34	5	59.74	5
1/4	1/4	4,677.45	1/4	4,408.70	1/4	4,234.87	1/4	3,862.68	1/4	3,593.26	1/4	3,273.74	1/4	2,921.31	1/4	2,562.52	1/4	2,203.91	1/4	1,845.31	1/4	1,486.70	1/4	1,128.09	1/4	769.48	1/4	410.87	1/4	53.20	1/4
1/2	1/2	4,672.30	1/2	4,403.07	1/2	4,232.87	1/2	3,857.00	1/2	3,587.52	1/2	3,272.27	1/2	2,913.66	1/2	2,555.05	1/2	2,196.54	1/2	1,837.83	1/2	1,479.32	1/2	1,120.62	1/2	762.01	1/2	405.40	1/2	46.67	1/2
3/4	3/4	4,667.15	3/4	4,397.44	3/4	4,227.25	3/4	3,851.05	3/4	3,581.79	3/4	3,264.80	3/4	2,906.19	3/4	2,547.58	3/4	2,188.97	3/4	1,830.36	3/4	1,471.76	3/4	1,113.15	3/4	754.84	3/4	393.93	3/4	40.13	3/4
6	6	4,662.00	6	4,391.81	6	4,212.62	6	3,845.42	6	3,576.05	6	3,257.32	6	2,898.72	6	2,540.11	6	2,181.50	6	1,822.89	6	1,464.28	6	1,105.68	6	747.07	6	388.46	6	33.60	6
1/4	1/4	4,656.37	1/4	4,386.18	1/4	4,211.62	1/4	3,840.69	1/4	3,570.31	1/4	3,248.85	1/4	2,891.25	1/4	2,535.64	1/4	2,174.03	1/4	1,815.42	1/4	1,456.81	1/4	1,098.21	1/4	739.60	1/4	380.99	1/4	28.93	1/4
1/2	1/2	4,650.74	1/2	4,380.55	1/2	4,210.36	1/2	3,835.99	1/2	3,564.57	1/2	3,242.38	1/2	2,883.77	1/2	2,525.17	1/2	2,165.66	1/2	1,807.95	1/2	1,449.34	1/2	1,090.73	1/2	732.13	1/2	373.52	1/2	24.27	1/2
3/4	3/4	4,645.11	3/4	4,374.92	3/4	4,204.73	3/4	3,834.21	3/4	3,558.80	3/4	3,234.91	3/4	2,876.30	3/4	2,517.70	3/4	2,157.05	3/4	1,798.50	3/4	1,441.87	3/4	1,083.26	3/4	724.66	3/4	365.05	3/4	19.60	3/4
7	7	4,639.48	7	4,369.29	7	4,099.10	7	3,828.48	7	3,553.03	7	3,227.44	7	2,868.83	7	2,510.22	7	2,151.62	7	1,793.01	7	1,434.40	7	1,078.52	7	717.18	7	358.58	7	14.93	7
1/4	1/4	4,633.86	1/4	4,363.66	1/4	4,093.47	1/4	3,822.74	1/4	3,547.26	1/4	3,219.97	1/4	2,861.36	1/4	2,502.75	1/4	2,144.15	1/4	1,785.54	1/4	1,426.93	1/4	1,068.32	1/4	709.71	1/4	351.11	1/4	14.93	1/4
1/2	1/2	4,628.23	1/2	4,358.03	1/2	4,087.84	1/2	3,817.00	1/2	3,541.48	1/2	3,213.97	1/2	2,853.89	1/2	2,495.28	1/2	2,136.67	1/2	1,778.07	1/2	1,419.96	1/2	1,060.85	1/2	702.24	1/2	343.63	1/2	14.93	1/2
3/4	3/4	4,622.60	3/4	4,352.41	3/4	4,082.21	3/4	3,811.27	3/4	3,535.64	3/4	3,203.03	3/4	2,846.42	3/4	2,487.81	3/4	2,129.20	3/4	1,770.60	3/4	1,411.99	3/4	1,053.38	3/4	694.24					



ISO 9002 ACCREDITED

BARGE "MPC-811"
MARATHON PETROLEUM CORP.

OUTAGE TABLE

3 STAR

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

HULL NO. 2170-2

[illegible]

* CAPACITY BELOW STRIKE POINT

REFERENCE GAUGE HEIGHT : 15-6 1/2" (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.

INSPECTORATE AMERICA CORPORATION