



BARGE "MPC-645"

MARATHON PETROLEUM CORP.

HULL NO. 2169-18

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: 8/27/08 BY: 

INSPECTORATE AMERICA CORPORATION



BARGE "MPC-645"
MARATHON PETROLEUM CORP.
OUTAGE TABLE

1 PORT

BARGE SHOULD BE ON EVEN LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 2169-18

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.		
M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	M	N	
0	0	5,117.45	0	4,834.17	0	4,474.31	0	4,114.46	0	3,754.60	0	3,394.75	0	3,034.89	0	2,675.03	0	2,315.18	0	1,955.32	0	1,595.47	0	1,235.61	0	875.75	0	515.90	0	174.00		
1/4	1/4	5,116.83	1/4	4,826.67	1/4	4,466.82	1/4	4,106.96	1/4	3,747.10	1/4	3,387.25	1/4	3,027.39	1/4	2,667.54	1/4	2,307.68	1/4	1,947.83	1/4	1,587.97	1/4	1,228.11	1/4	868.26	1/4	508.40	1/4	167.21		
1/2	1/2	5,116.20	1/2	4,819.18	1/2	4,459.32	1/2	4,099.46	1/2	3,739.61	1/2	3,379.75	1/2	3,019.89	1/2	2,660.04	1/2	2,300.18	1/2	1,940.33	1/2	1,580.47	1/2	1,220.62	1/2	860.76	1/2	500.90	1/2	160.43		
3/4	3/4	5,114.34	3/4	4,811.58	3/4	4,451.82	3/4	4,091.97	3/4	3,732.11	3/4	3,372.25	3/4	3,012.40	3/4	2,652.54	3/4	2,292.69	3/4	1,932.83	3/4	1,572.98	3/4	1,213.12	3/4	853.26	3/4	493.50	3/4	153.77		
1	1	5,112.47	1	4,804.18	1	4,444.33	1	4,084.47	1	3,724.61	1	3,364.76	1	3,004.90	1	2,645.05	1	2,285.19	1	1,925.33	1	1,565.48	1	1,205.62	1	845.77	1	485.10	1	147.12		
1/4	1/4	5,110.60	1/4	4,796.68	1/4	4,436.83	1/4	4,076.97	1/4	3,717.12	1/4	3,357.26	1/4	2,997.40	1/4	2,637.55	1/4	2,277.69	1/4	1,917.84	1/4	1,557.98	1/4	1,198.13	1/4	838.27	1/4	478.59	1/4	140.46		
1/2	1/2	5,108.74	1/2	4,789.19	1/2	4,429.33	1/2	4,069.48	1/2	3,709.62	1/2	3,348.76	1/2	2,989.91	1/2	2,628.05	1/2	2,270.20	1/2	1,910.34	1/2	1,550.48	1/2	1,190.63	1/2	830.77	1/2	471.29	1/2	133.80		
3/4	3/4	5,106.63	3/4	4,781.69	3/4	4,421.83	3/4	4,061.98	3/4	3,702.12	3/4	3,340.27	3/4	2,988.41	3/4	2,625.55	3/4	2,262.70	3/4	1,907.84	3/4	1,548.99	3/4	1,183.13	3/4	823.27	3/4	463.88	3/4	127.14		
2	2	5,102.51	2	4,774.19	2	4,414.34	2	4,054.48	2	3,694.63	2	3,334.77	2	2,974.91	2	2,615.06	2	2,255.20	2	1,895.35	2	1,535.49	2	1,175.53	2	815.78	2	456.48	2	120.48		
1/4	1/4	5,099.40	1/4	4,766.70	1/4	4,406.84	1/4	4,046.98	1/4	3,687.13	1/4	3,327.27	1/4	2,967.42	1/4	2,607.56	1/4	2,247.71	1/4	1,887.85	1/4	1,527.99	1/4	1,168.14	1/4	808.28	1/4	449.08	1/4	113.83		
1/2	1/2	5,096.29	1/2	4,759.20	1/2	4,399.36	1/2	4,039.49	1/2	3,679.63	1/2	3,319.78	1/2	2,959.92	1/2	2,600.06	1/2	2,240.21	1/2	1,880.35	1/2	1,520.50	1/2	1,160.64	1/2	800.78	1/2	441.67	1/2	107.17		
3/4	3/4	5,091.94	3/4	4,751.70	3/4	4,391.85	3/4	4,031.99	3/4	3,672.13	3/4	3,312.28	3/4	2,952.42	3/4	2,592.57	3/4	2,232.71	3/4	1,872.86	3/4	1,513.00	3/4	1,153.14	3/4	793.29	3/4	434.39	3/4	100.63		
3	3	5,087.58	3	4,744.21	3	4,384.35	3	4,024.49	3	3,664.64	3	3,304.78	3	2,944.93	3	2,585.07	3	2,225.21	3	1,865.36	3	1,505.50	3	1,145.65	3	785.79	3	427.11	3	94.10		
1/4	1/4	5,083.22	1/4	4,736.71	1/4	4,376.85	1/4	4,017.00	1/4	3,657.14	1/4	3,297.28	1/4	2,937.43	1/4	2,577.57	1/4	2,217.72	1/4	1,857.86	1/4	1,498.01	1/4	1,138.15	1/4	778.29	1/4	419.83	1/4	87.57		
1/2	1/2	5,078.87	1/2	4,729.21	1/2	4,369.36	1/2	4,009.50	1/2	3,649.64	1/2	3,289.79	1/2	2,929.93	1/2	2,567.08	1/2	2,207.22	1/2	1,850.36	1/2	1,490.51	1/2	1,130.65	1/2	770.80	1/2	412.55	1/2	81.04		
3/4	3/4	5,073.27	3/4	4,721.71	3/4	4,361.86	3/4	4,002.00	3/4	3,642.15	3/4	3,282.29	3/4	2,922.43	3/4	2,562.58	3/4	2,202.72	3/4	1,842.87	3/4	1,483.01	3/4	1,123.15	3/4	763.30	3/4	405.27	3/4	74.50		
4	4	5,067.67	4	4,714.22	4	4,354.36	4	3,994.51	4	3,634.65	4	3,274.79	4	2,914.94	4	2,555.08	4	2,195.23	4	1,835.37	4	1,475.51	4	1,115.66	4	755.80	4	397.99	4	67.97		
1/4	1/4	5,062.07	1/4	4,706.72	1/4	4,346.86	1/4	3,987.01	1/4	3,627.15	1/4	3,267.30	1/4	2,907.44	1/4	2,547.87	1/4	2,187.73	1/4	1,827.87	1/4	1,468.02	1/4	1,108.16	1/4	748.30	1/4	390.71	1/4	61.44		
1/2	1/2	5,056.47	1/2	4,699.22	1/2	4,339.37	1/2	3,979.51	1/2	3,619.66	1/2	3,259.80	1/2	2,899.94	1/2	2,540.09	1/2	2,180.23	1/2	1,820.38	1/2	1,460.52	1/2	1,100.66	1/2	733.31	1/2	383.43	1/2	54.90		
3/4	3/4	5,049.62	3/4	4,691.73	3/4	4,331.87	3/4	3,972.01	3/4	3,612.16	3/4	3,252.30	3/4	2,892.45	3/4	2,532.59	3/4	2,172.74	3/4	1,812.88	3/4	1,453.02	3/4	1,093.17	3/4	723.31	3/4	373.28	3/4	49.23		
5	5	5,042.78	5	4,684.23	5	4,324.37	5	3,964.52	5	3,604.66	5	3,244.81	5	2,884.95	5	2,525.09	5	2,165.24	5	1,805.38	5	1,445.53	5	1,085.67	5	725.81	5	365.12	5	43.55		
1/4	1/4	5,035.94	1/4	4,676.73	1/4	4,316.88	1/4	3,957.02	1/4	3,597.16	1/4	3,237.31	1/4	2,877.45	1/4	2,517.60	1/4	2,157.74	1/4	1,797.89	1/4	1,438.03	1/4	1,078.17	1/4	718.32	1/4	361.97	1/4	37.88		
1/2	1/2	5,029.09	1/2	4,669.24	1/2	4,309.38	1/2	3,949.52	1/2	3,589.67	1/2	3,228.81	1/2	2,869.96	1/2	2,507.10	1/2	2,147.24	1/2	1,790.39	1/2	1,430.53	1/2	1,070.68	1/2	710.82	1/2	354.81	1/2	32.20		
3/4	3/4	5,021.60	3/4	4,661.74	3/4	4,301.88	3/4	3,942.03	3/4	3,582.17	3/4	3,222.31	3/4	2,862.62	3/4	2,502.60	3/4	2,142.75	3/4	1,782.89	3/4	1,423.04	3/4	1,063.18	3/4	703.32	3/4	347.66	3/4	27.99		
6	6	5,014.10	6	4,654.24	6	4,294.39	6	3,934.53	6	3,574.67	6	3,214.82	6	2,854.96	6	2,495.11	6	2,135.25	6	1,775.39	6	1,415.54	6	1,055.68	6	695.83	6	340.50	6	302.10	6	23.78
1/4	1/4	5,006.60	1/4	4,646.74	1/4	4,286.99	1/4	3,927.03	1/4	3,567.18	1/4	3,207.32	1/4	2,847.46	1/4	2,487.61	1/4	2,127.75	1/4	1,767.90	1/4	1,408.04	1/4	1,048.18	1/4	688.33	1/4	333.35	1/4	19.57		
1/2	1/2	4,999.10	1/2	4,639.25	1/2	4,279.39	1/2	3,919.54	1/2	3,559.68	1/2	3,199.82	1/2	2,839.97	1/2	2,480.11	1/2	2,120.26	1/2	1,760.40	1/2	1,400.54	1/2	1,040.69	1/2	680.83	1/2	326.19	1/2	15.36		
3/4	3/4	4,991.61	3/4	4,631.75	3/4	4,271.89	3/4	3,912.04	3/4	3,552.18	3/4	3,192.33	3/4	2,832.47	3/4	2,472.61	3/4	2,112.76	3/4	1,752.90	3/4	1,393.05	3/4	1,033.19	3/4	673.33	3/4	319.16	3/4	11.36		
7	7	4,984.11	7	4,624.25	7	4,264.40	7	3,904.54	7	3,544.69	7	3,184.83	7	2,824.97	7	2,465.12	7	2,105.26	7	1,745.41	7	1,385.55	7	1,025.69	7	665.84	7	312.13	7	305.10	7	7
1/4	1/4	4,976.61	1/4	4,616.76	1/4	4,256.90	1/4	3,897.04	1/4	3,537.19	1/4	3,177.33	1/4	2,817.48	1/4	2,457.62	1/4	2,097.77	1/4	1,737.91	1/4	1,378.05	1/4	1,018.20	1/4	658.34	1/4	302.10	1/4	298.07		
1/2	1/2	4,969.12	1/2	4,609.26	1/2	4,249.40	1/2	3,889.55	1/2	3,529.69	1/2	3,169.84	1/2	2,809.98	1/2	2,449.12	1/2	2,089.27	1/2	1,730.41	1/2	1,369.56	1/2	1,010.70	1/2	650.84	1/2	289.07	1/2	289.07		
3/4	3/4	4,961.62	3/4	4,601.76	3/4	4,241.91	3/4	3,882.05	3/4	3,522.19	3/4	3,162.34	3/4	2,802.48	3/4	2,442.63	3/4	2,082.77	3/4	1,722.92	3/4	1,363.06	3/4	1,003.20	3/4	643.35	3/4	291.04	3/4	289.07		
8	8	4,954.12	8	4,594.27	8	4,234.4.																										



BARGE "MPC-645"
MARATHON PETROLEUM CORP.

OUTAGE TABLE

1 STAR

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

HULL NO. 2169-18

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	5,118.69	0	4,849.16	0	4,489.31	0	4,129.45	0	3,769.60	0	3,409.74	0	3,049.88	0	2,690.03	0	2,330.17	0	1,970.32	0	1,610.46	0	1,250.60	0	890.75	0	530.89	0	187.56	
1/4	1/4	5,118.07	1/4	4,841.67	1/4	4,481.81	1/4	4,124.10	1/4	3,762.10	1/4	3,402.24	1/4	3,042.39	1/4	2,682.53	1/4	2,322.68	1/4	1,962.82	1/4	1,602.96	1/4	1,243.11	1/4	883.25	1/4	523.39	1/4	180.78	
1/2	1/2	5,117.45	1/2	4,834.17	1/2	4,474.31	1/2	4,114.46	1/2	3,754.60	1/2	3,394.75	1/2	3,034.89	1/2	2,675.03	1/2	2,315.18	1/2	1,955.32	1/2	1,595.47	1/2	1,235.61	1/2	875.15	1/2	515.90	1/2	174.00	
3/4	3/4	5,116.83	3/4	4,826.67	3/4	4,466.82	3/4	4,106.96	3/4	3,747.10	3/4	3,387.25	3/4	3,027.39	3/4	2,667.54	3/4	2,307.68	3/4	1,947.83	3/4	1,587.97	3/4	1,228.11	3/4	868.26	3/4	508.40	3/4	167.21	
1	1	5,116.20	1	4,819.18	1	4,459.32	1	4,099.46	1	3,737.61	1	3,375.75	1	3,015.90	1	2,660.04	1	2,300.18	1	1,940.33	1	1,580.47	1	1,220.62	1	860.76	1	500.90	1	160.43	
1/4	1/4	5,114.34	1/4	4,811.68	1/4	4,451.82	1/4	4,091.97	1/4	3,724.61	1/4	3,362.75	1/4	3,002.90	1/4	2,652.54	1/4	2,292.69	1/4	1,932.83	1/4	1,572.98	1/4	1,213.12	1/4	856.25	1/4	493.50	1/4	153.77	
1/2	1/2	5,112.47	1/2	4,804.18	1/2	4,444.33	1/2	4,084.47	1/2	3,724.61	1/2	3,362.75	1/2	3,002.90	1/2	2,652.54	1/2	2,292.69	1/2	1,932.83	1/2	1,572.98	1/2	1,213.12	1/2	856.25	1/2	493.50	1/2	153.77	
3/4	3/4	5,110.60	3/4	4,796.68	3/4	4,436.83	3/4	4,076.97	3/4	3,717.12	3/4	3,355.26	3/4	2,995.41	3/4	2,642.05	3/4	2,277.69	3/4	1,917.84	3/4	1,557.98	3/4	1,198.13	3/4	838.27	3/4	478.69	3/4	140.46	
2	2	5,108.74	2	4,789.19	2	4,429.33	2	4,069.48	2	3,709.62	2	3,349.76	2	2,989.91	2	2,630.05	2	2,270.20	2	1,910.34	2	1,550.48	2	1,190.63	2	830.77	2	471.29	2	133.80	
1/4	1/4	5,105.63	1/4	4,781.69	1/4	4,421.83	1/4	4,061.98	1/4	3,702.12	1/4	3,342.27	1/4	2,982.41	1/4	2,622.55	1/4	2,262.70	1/4	1,902.84	1/4	1,542.99	1/4	1,183.13	1/4	823.27	1/4	463.88	1/4	127.14	
1/2	1/2	5,102.51	1/2	4,774.19	1/2	4,414.34	1/2	4,054.48	1/2	3,694.63	1/2	3,334.77	1/2	2,974.91	1/2	2,615.06	1/2	2,255.20	1/2	1,895.35	1/2	1,535.49	1/2	1,175.63	1/2	815.78	1/2	456.48	1/2	120.48	
3/4	3/4	5,099.40	3/4	4,766.70	3/4	4,406.84	3/4	4,046.98	3/4	3,687.13	3/4	3,327.27	3/4	2,967.42	3/4	2,607.56	3/4	2,247.71	3/4	1,887.85	3/4	1,527.99	3/4	1,168.14	3/4	808.28	3/4	449.08	3/4	113.83	
1	1	5,096.29	1	4,759.20	1	4,399.34	1	4,039.49	1	3,679.63	1	3,319.78	1	2,959.92	1	2,600.06	1	2,240.21	1	1,880.35	1	1,520.50	1	1,160.64	1	800.78	1	441.67	1	107.17	
1/4	1/4	5,091.94	1/4	4,751.70	1/4	4,391.85	1/4	4,031.99	1/4	3,672.13	1/4	3,312.28	1/4	2,952.42	1/4	2,592.57	1/4	2,232.71	1/4	1,872.86	1/4	1,513.00	1/4	1,153.14	1/4	793.29	1/4	434.39	1/4	100.63	
1/2	1/2	5,087.58	1/2	4,744.21	1/2	4,384.35	1/2	4,024.49	1/2	3,664.64	1/2	3,304.78	1/2	2,944.93	1/2	2,584.48	1/2	2,225.21	1/2	1,865.36	1/2	1,505.50	1/2	1,145.65	1/2	785.79	1/2	427.11	1/2	94.10	
3/4	3/4	5,083.22	3/4	4,736.71	3/4	4,376.85	3/4	4,017.00	3/4	3,657.14	3/4	3,297.28	3/4	2,937.43	3/4	2,577.57	3/4	2,217.72	3/4	1,857.86	3/4	1,498.01	3/4	1,138.15	3/4	778.29	3/4	419.83	3/4	87.57	
1	1	5,078.87	1	4,729.21	1	4,369.36	1	4,009.50	1	3,649.64	1	3,289.79	1	2,929.93	1	2,570.08	1	2,202.22	1	1,850.36	1	1,490.51	1	1,130.65	1	770.80	1	412.55	1	81.04	
1/4	1/4	5,073.27	1/4	4,721.71	1/4	4,361.86	1/4	4,002.00	1/4	3,642.15	1/4	3,282.29	1/4	2,922.43	1/4	2,562.58	1/4	2,195.23	1/4	1,842.87	1/4	1,483.01	1/4	1,123.15	1/4	763.30	1/4	405.27	1/4	74.50	
1/2	1/2	5,067.67	1/2	4,714.22	1/2	4,354.36	1/2	3,994.51	1/2	3,624.15	1/2	3,272.79	1/2	2,914.94	1/2	2,555.08	1/2	2,187.73	1/2	1,836.37	1/2	1,475.51	1/2	1,115.66	1/2	755.80	1/2	397.99	1/2	67.97	
3/4	3/4	5,062.07	3/4	4,706.72	3/4	4,346.86	3/4	3,987.01	3/4	3,612.15	3/4	3,262.16	3/4	2,904.34	3/4	2,540.09	3/4	2,180.23	3/4	1,820.38	3/4	1,465.02	3/4	1,108.16	3/4	748.30	3/4	390.71	3/4	61.44	
1	1	5,056.47	1	4,699.22	1	4,339.37	1	3,979.51	1	3,619.66	1	3,259.80	1	2,889.94	1	2,540.09	1	2,180.23	1	1,820.38	1	1,465.02	1	1,108.16	1	748.30	1	390.71	1	61.44	
1/4	1/4	5,049.62	1/4	4,691.73	1/4	4,331.87	1/4	3,972.01	1/4	3,612.16	1/4	3,252.30	1/4	2,882.45	1/4	2,532.59	1/4	2,172.74	1/4	1,812.88	1/4	1,453.02	1/4	1,093.17	1/4	735.31	1/4	376.28	1/4	49.23	
1/2	1/2	5,042.78	1/2	4,684.23	1/2	4,324.37	1/2	3,964.52	1/2	3,604.66	1/2	3,244.81	1/2	2,884.95	1/2	2,525.09	1/2	2,165.24	1/2	1,805.38	1/2	1,445.53	1/2	1,085.67	1/2	728.81	1/2	369.12	1/2	43.55	
3/4	3/4	5,035.94	3/4	4,676.73	3/4	4,316.88	3/4	3,957.02	3/4	3,597.16	3/4	3,237.31	3/4	2,877.45	3/4	2,517.60	3/4	2,157.74	3/4	1,797.89	3/4	1,438.03	3/4	1,078.17	3/4	718.32	3/4	361.57	3/4	37.68	
1	1	5,029.09	1	4,669.24	1	4,309.38	1	3,949.52	1	3,589.67	1	3,229.81	1	2,869.96	1	2,510.10	1	2,150.24	1	1,790.39	1	1,430.53	1	1,070.88	1	710.82	1	354.81	1	32.20	
1/4	1/4	5,021.60	1/4	4,661.74	1/4	4,301.88	1/4	3,942.03	1/4	3,582.17	1/4	3,222.31	1/4	2,862.46	1/4	2,502.60	1/4	2,142.75	1/4	1,782.89	1/4	1,423.04	1/4	1,063.18	1/4	703.32	1/4	347.66	1/4	27.99	
1/2	1/2	5,014.10	1/2	4,654.24	1/2	4,294.39	1/2	3,934.53	1/2	3,574.67	1/2	3,214.82	1/2	2,854.96	1/2	2,495.11	1/2	2,135.25	1/2	1,775.39	1/2	1,415.54	1/2	1,055.68	1/2	695.83	1/2	340.50	1/2	23.78	
3/4	3/4	5,006.60	3/4	4,646.74	3/4	4,286.89	3/4	3,927.03	3/4	3,567.18	3/4	3,207.32	3/4	2,847.36	3/4	2,487.61	3/4	2,127.75	3/4	1,767.90	3/4	1,408.04	3/4	1,048.18	3/4	688.33	3/4	333.35	3/4	19.57	
1	1	4,999.10	1	4,639.25	1	4,279.39	1	3,919.54	1	3,559.68	1	3,199.82	1	2,839.97	1	2,480.11	1	2,120.26	1	1,760.40	1	1,400.54	1	1,040.69	1	680.83	1	326.19	1	27.99	
1/4	1/4	4,991.61	1/4	4,631.75	1/4	4,271.89	1/4	3,912.04	1/4	3,552.18	1/4	3,192.33	1/4	2,832.47	1/4	2,472.61	1/4	2,112.76	1/4	1,752.90	1/4	1,393.05	1/4	1,033.19	1/4	673.33	1/4	318.16	1/4	27.99	
1/2	1/2	4,984.11	1/2	4,624.25	1/2	4,264.40	1/2	3,904.54	1/2	3,544.69	1/2	3,184.83	1/2	2,824.97	1/2	2,465.12	1/2	2,105.26	1/2	1,745.41	1/2	1,385.55	1/2	1,025.69	1/2	665.84	1/2	312.13	1/2	27.99	
3/4	3/4	4,976.61	3/4	4,616.76	3/4	4,256.90	3/4	3,897.04	3/4	3,537.19	3/4	3,177.33	3/4	2,817.48	3/4	2,457.62	3/4	2,097.77	3/4	1,737.91	3/4	1,378.05	3/4	1,018.20	3/4	658.34	3/4	305.10	3/4	27.99	



BARGE "MPC-645"
MARATHON PETROLEUM CORP.

OUTAGE TABLE

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

HULL NO. 2169-18

	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	5,154.25	0	4,870.75	0	4,511.08	0	4,151.42	0	3,791.75	0	3,432.09	0	3,072.43	0	2,712.76	0	2,353.10	0	1,993.43	0	1,633.77	0	1,274.11	0	914.44	0	554.78	0	195.11		
1/4	1/4	5,153.63	1/4	4,863.25	1/4	4,503.59	1/4	4,143.92	1/4	3,784.26	1/4	3,424.60	1/4	3,064.93	1/4	2,705.27	1/4	2,346.60	1/4	1,986.94	1/4	1,626.61	1/4	1,266.61	1/4	906.95	1/4	547.28	1/4	187.62		
1/2	1/2	5,153.00	1/2	4,855.76	1/2	4,496.10	1/2	4,136.43	1/2	3,775.77	1/2	3,417.10	1/2	3,057.44	1/2	2,697.78	1/2	2,338.11	1/2	1,978.75	1/2	1,618.78	1/2	1,259.12	1/2	899.46	1/2	539.79	1/2	180.13		
3/4	3/4	5,151.13	3/4	4,848.27	3/4	4,488.60	3/4	4,128.94	3/4	3,769.27	3/4	3,409.61	3/4	3,049.95	3/4	2,690.28	3/4	2,330.62	3/4	1,970.95	3/4	1,611.29	3/4	1,251.63	3/4	891.96	3/4	532.30	3/4	172.63		
1	1	5,149.26	1	4,840.77	1	4,481.11	1	4,121.45	1	3,751.78	1	3,392.12	1	3,032.45	1	2,672.79	1	2,313.13	1	1,953.46	1	1,603.80	1	1,244.13	1	884.47	1	524.81	1	165.14		
1/4	1/4	5,147.38	1/4	4,833.28	1/4	4,473.62	1/4	4,113.95	1/4	3,743.98	1/4	3,384.32	1/4	3,024.66	1/4	2,665.00	1/4	2,305.33	1/4	1,945.97	1/4	1,595.30	1/4	1,236.64	1/4	876.98	1/4	517.31	1/4	157.65		
1/2	1/2	5,145.51	1/2	4,825.79	1/2	4,466.12	1/2	4,106.46	1/2	3,736.80	1/2	3,377.13	1/2	3,017.47	1/2	2,657.81	1/2	2,298.15	1/2	1,939.48	1/2	1,588.81	1/2	1,229.15	1/2	861.99	1/2	502.32	1/2	150.16		
3/4	3/4	5,143.39	3/4	4,818.29	3/4	4,458.63	3/4	4,098.97	3/4	3,728.30	3/4	3,369.64	3/4	3,010.97	3/4	2,650.31	3/4	2,290.65	3/4	1,940.98	3/4	1,581.32	3/4	1,221.65	3/4	854.50	3/4	502.33	3/4	142.66		
2	2	5,139.26	2	4,810.80	2	4,451.14	2	4,091.47	2	3,713.81	2	3,354.15	2	3,012.48	2	2,652.82	2	2,293.15	2	1,933.49	2	1,573.83	2	1,214.16	2	854.50	2	494.83	2	135.17		
1/4	1/4	5,136.14	1/4	4,803.31	1/4	4,443.64	1/4	4,083.98	1/4	3,724.32	1/4	3,364.65	1/4	3,004.99	1/4	2,645.32	1/4	2,285.66	1/4	1,926.00	1/4	1,566.33	1/4	1,206.67	1/4	839.61	1/4	487.34	1/4	127.68		
1/2	1/2	5,133.02	1/2	4,795.82	1/2	4,436.15	1/2	4,076.48	1/2	3,716.82	1/2	3,357.16	1/2	2,997.50	1/2	2,637.83	1/2	2,278.17	1/2	1,918.50	1/2	1,558.84	1/2	1,199.18	1/2	832.02	1/2	479.85	1/2	120.18		
3/4	3/4	5,128.64	3/4	4,788.32	3/4	4,428.66	3/4	4,068.99	3/4	3,708.33	3/4	3,349.67	3/4	2,990.00	3/4	2,630.34	3/4	2,270.67	3/4	1,911.01	3/4	1,551.35	3/4	1,191.68	3/4	822.02	3/4	472.35	3/4	112.69		
3	3	5,124.27	3	4,780.83	3	4,421.17	3	4,061.50	3	3,701.84	3	3,342.17	3	2,982.51	3	2,622.85	3	2,263.18	3	1,903.52	3	1,543.85	3	1,184.19	3	824.53	3	464.86	3	105.20		
1/4	1/4	5,119.80	1/4	4,773.34	1/4	4,413.67	1/4	4,054.01	1/4	3,694.34	1/4	3,334.68	1/4	2,975.02	1/4	2,615.35	1/4	2,255.69	1/4	1,896.02	1/4	1,536.36	1/4	1,176.70	1/4	817.03	1/4	457.37	1/4	97.70		
1/2	1/2	5,115.53	1/2	4,765.84	1/2	4,406.18	1/2	4,046.52	1/2	3,686.85	1/2	3,327.19	1/2	2,967.32	1/2	2,607.86	1/2	2,248.20	1/2	1,888.83	1/2	1,528.87	1/2	1,169.20	1/2	809.54	1/2	449.88	1/2	90.21		
3/4	3/4	5,109.91	3/4	4,758.35	3/4	4,398.69	3/4	4,039.02	3/4	3,678.36	3/4	3,319.69	3/4	2,960.03	3/4	2,600.37	3/4	2,240.70	3/4	1,881.04	3/4	1,521.37	3/4	1,161.71	3/4	802.05	3/4	442.38	3/4	82.72		
4	4	5,104.29	4	4,750.86	4	4,391.19	4	4,031.53	4	3,671.87	4	3,312.20	4	2,952.54	4	2,592.87	4	2,233.21	4	1,873.55	4	1,513.88	4	1,154.22	4	784.55	4	434.89	4	67.23		
1/4	1/4	5,098.67	1/4	4,743.36	1/4	4,383.70	1/4	4,024.04	1/4	3,664.37	1/4	3,304.71	1/4	2,943.04	1/4	2,583.38	1/4	2,224.72	1/4	1,866.05	1/4	1,506.39	1/4	1,146.72	1/4	779.57	1/4	427.40	1/4	67.73		
1/2	1/2	5,093.04	1/2	4,735.87	1/2	4,376.21	1/2	4,016.54	1/2	3,656.88	1/2	3,297.22	1/2	2,937.56	1/2	2,577.89	1/2	2,218.22	1/2	1,858.56	1/2	1,498.90	1/2	1,139.23	1/2	772.07	1/2	419.90	1/2	60.24		
3/4	3/4	5,086.17	3/4	4,728.38	3/4	4,368.71	3/4	4,009.05	3/4	3,648.39	3/4	3,289.72	3/4	2,930.06	3/4	2,570.39	3/4	2,210.73	3/4	1,851.07	3/4	1,491.40	3/4	1,131.74	3/4	764.58	3/4	412.41	3/4	53.68		
5	5	5,079.30	5	4,720.89	5	4,361.22	5	4,001.56	5	3,641.89	5	3,282.23	5	2,922.57	5	2,562.90	5	2,203.24	5	1,843.57	5	1,483.91	5	1,124.25	5	764.58	5	404.92	5	47.12		
1/4	1/4	5,072.43	1/4	4,713.39	1/4	4,353.73	1/4	3,994.06	1/4	3,634.40	1/4	3,274.74	1/4	2,915.07	1/4	2,555.41	1/4	2,195.74	1/4	1,836.08	1/4	1,476.42	1/4	1,116.76	1/4	757.09	1/4	397.42	1/4	40.57		
1/2	1/2	5,065.56	1/2	4,705.90	1/2	4,346.24	1/2	3,986.57	1/2	3,626.91	1/2	3,267.24	1/2	2,907.58	1/2	2,547.92	1/2	2,188.25	1/2	1,828.59	1/2	1,468.92	1/2	1,109.26	1/2	749.60	1/2	389.93	1/2	34.01		
3/4	3/4	5,058.07	3/4	4,698.41	3/4	4,338.74	3/4	3,979.08	3/4	3,619.41	3/4	3,259.75	3/4	2,900.09	3/4	2,540.42	3/4	2,180.76	3/4	1,821.09	3/4	1,461.43	3/4	1,101.77	3/4	742.10	3/4	382.44	3/4	29.32		
6	6	5,050.58	6	4,690.91	6	4,331.25	6	3,971.59	6	3,611.92	6	3,252.26	6	2,892.59	6	2,532.93	6	2,173.27	6	1,813.60	6	1,453.94	6	1,094.27	6	734.61	6	374.95	6	24.84		
1/4	1/4	5,043.09	1/4	4,683.42	1/4	4,323.76	1/4	3,964.09	1/4	3,604.43	1/4	3,244.76	1/4	2,885.10	1/4	2,525.44	1/4	2,165.77	1/4	1,806.11	1/4	1,446.44	1/4	1,086.78	1/4	727.12	1/4	367.45	1/4	19.86		
1/2	1/2	5,035.59	1/2	4,675.93	1/2	4,316.26	1/2	3,956.60	1/2	3,596.94	1/2	3,237.27	1/2	2,875.61	1/2	2,517.94	1/2	2,158.28	1/2	1,798.62	1/2	1,438.95	1/2	1,079.29	1/2	719.62	1/2	359.96	1/2	15.27		
3/4	3/4	5,028.10	3/4	4,668.43	3/4	4,308.77	3/4	3,949.11	3/4	3,589.44	3/4	3,229.78	3/4	2,870.11	3/4	2,510.45	3/4	2,150.79	3/4	1,791.12	3/4	1,431.46	3/4	1,071.79	3/4	712.13	3/4	352.47	3/4	*		
7	7	5,020.61	7	4,660.94	7	4,301.28	7	3,941.61	7	3,581.95	7	3,222.29	7	2,862.62	7	2,502.96	7	2,143.29	7	1,783.63	7	1,423.97	7	1,064.30	7	704.64	7	344.97	7	33.47		
1/4	1/4	5,013.11	1/4	4,653.45	1/4	4,293.78	1/4	3,934.12	1/4	3,574.46	1/4	3,214.79	1/4	2,855.13	1/4	2,495.46	1/4	2,135.80	1/4	1,776.14	1/4	1,416.47	1/4	1,056.81	1/4	697.14	1/4	337.48	1/4	31.7		
1/2	1/2	5,005.62	1/2	4,645.96	1/2	4,286.29	1/2	3,926.63	1/2	3,566.96	1/2	3,207.30	1/2	2,847.64	1/2	2,487.97	1/2	2,128.31	1/2	1,768.64	1/2	1,408.98	1/2	1,049.32	1/2	689.65	1/2	329.99	1/2	29.99		
3/4	3/4	4,998.13	3/4	4,638.46	3/4	4,278.80	3/4	3,919.13	3/4	3,559.47	3/4	3,199.81	3/4	2,840.14	3/																	



BARGE "MPC-645"
MARATHON PETROLEUM CORP.

OUTAGE TABLE

2 STAR

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

HULL NO. 2169-18

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	5,155.50	0	4,885.78	0	4,526.21	0	4,166.64	0	3,807.08	0	3,447.51	0	3,087.94	0	2,728.37	0	2,368.80	0	2,009.24	0	1,649.67	0	1,290.10	0	930.53	0	570.96	0	211.40			
1/4	1/4	5,154.88	1/4	4,878.29	1/4	4,518.72	1/4	4,158.15	1/4	3,799.59	1/4	3,440.02	1/4	3,080.45	1/4	2,720.88	1/4	2,361.31	1/4	2,001.75	1/4	1,642.18	1/4	1,282.61	1/4	923.54	1/4	563.47	1/4	203.91			
1/2	1/2	5,154.25	1/2	4,870.80	1/2	4,511.23	1/2	4,151.66	1/2	3,792.09	1/2	3,432.53	1/2	3,072.86	1/2	2,713.39	1/2	2,353.82	1/2	1,994.25	1/2	1,634.69	1/2	1,275.12	1/2	915.55	1/2	555.88	1/2	196.41			
3/4	3/4	5,153.63	3/4	4,863.31	3/4	4,503.74	3/4	4,144.17	3/4	3,784.60	3/4	3,425.04	3/4	3,065.47	3/4	2,705.90	3/4	2,346.33	3/4	1,986.76	3/4	1,627.20	3/4	1,267.53	3/4	908.06	3/4	548.49	3/4	188.92			
1	1	5,153.00	1	4,855.82	1	4,496.25	1	4,136.68	1	3,777.11	1	3,417.54	1	3,057.98	1	2,698.41	1	2,338.84	1	1,979.27	1	1,619.70	1	1,260.14	1	900.57	1	541.00	1	181.43			
1/4	1/4	5,151.13	1/4	4,848.33	1/4	4,488.76	1/4	4,129.19	1/4	3,769.62	1/4	3,410.05	1/4	3,050.49	1/4	2,690.92	1/4	2,331.35	1/4	1,971.78	1/4	1,612.21	1/4	1,252.65	1/4	893.08	1/4	533.51	1/4	173.94			
1/2	1/2	5,149.26	1/2	4,840.83	1/2	4,481.27	1/2	4,121.70	1/2	3,762.13	1/2	3,402.56	1/2	3,042.99	1/2	2,683.43	1/2	2,323.86	1/2	1,964.29	1/2	1,604.72	1/2	1,245.15	1/2	885.59	1/2	526.02	1/2	166.45			
3/4	3/4	5,147.38	3/4	4,833.34	3/4	4,473.78	3/4	4,114.21	3/4	3,754.64	3/4	3,395.07	3/4	3,035.50	3/4	2,675.94	3/4	2,316.37	3/4	1,956.80	3/4	1,597.23	3/4	1,237.66	3/4	878.19	3/4	518.53	3/4	158.96			
2	2	5,145.51	2	4,825.85	2	4,466.28	2	4,106.72	2	3,747.15	2	3,387.58	2	3,028.01	2	2,668.44	2	2,308.88	2	1,949.31	2	1,589.74	2	1,230.17	2	870.60	2	511.04	2	151.47			
1/4	1/4	5,142.39	1/4	4,818.36	1/4	4,458.79	1/4	4,099.23	1/4	3,738.66	1/4	3,380.09	1/4	3,020.52	1/4	2,660.95	1/4	2,301.39	1/4	1,941.82	1/4	1,582.25	1/4	1,222.68	1/4	863.11	1/4	503.55	1/4	143.98			
1/2	1/2	5,139.26	1/2	4,810.87	1/2	4,451.30	1/2	4,091.77	1/2	3,732.17	1/2	3,372.60	1/2	3,013.03	1/2	2,653.46	1/2	2,293.89	1/2	1,934.33	1/2	1,574.76	1/2	1,215.19	1/2	856.52	1/2	496.05	1/2	136.49			
3/4	3/4	5,136.14	3/4	4,803.38	3/4	4,443.81	3/4	4,084.24	3/4	3,724.68	3/4	3,365.11	3/4	3,005.54	3/4	2,645.97	3/4	2,286.40	3/4	1,926.84	3/4	1,567.27	3/4	1,207.70	3/4	848.13	3/4	488.56	3/4	129.00			
3	3	5,133.02	3	4,795.89	3	4,436.32	3	4,076.75	3	3,717.18	3	3,357.62	3	2,998.05	3	2,638.48	3	2,278.91	3	1,919.34	3	1,559.78	3	1,200.21	3	840.64	3	481.07	3	121.50			
1/4	1/4	5,128.64	1/4	4,788.40	1/4	4,428.83	1/4	4,069.26	1/4	3,709.69	1/4	3,350.13	1/4	2,990.56	1/4	2,630.99	1/4	2,271.42	1/4	1,911.85	1/4	1,552.32	1/4	1,192.72	1/4	833.15	1/4	473.58	1/4	114.01			
1/2	1/2	5,124.27	1/2	4,780.91	1/2	4,421.34	1/2	4,061.77	1/2	3,702.20	1/2	3,342.63	1/2	2,983.07	1/2	2,623.50	1/2	2,263.93	1/2	1,904.36	1/2	1,544.79	1/2	1,185.23	1/2	826.66	1/2	468.09	1/2	106.52			
3/4	3/4	5,119.90	3/4	4,773.42	3/4	4,413.85	3/4	4,054.28	3/4	3,694.71	3/4	3,335.14	3/4	2,975.58	3/4	2,616.01	3/4	2,256.44	3/4	1,896.87	3/4	1,537.30	3/4	1,177.74	3/4	818.17	3/4	458.60	3/4	99.03			
4	4	5,115.53	4	4,765.92	4	4,406.36	4	4,046.79	4	3,687.22	4	3,327.65	4	2,968.08	4	2,608.52	4	2,248.95	4	1,889.38	4	1,529.81	4	1,170.24	4	810.68	4	451.11	4	91.54			
1/4	1/4	5,109.91	1/4	4,758.43	1/4	4,398.87	1/4	4,039.30	1/4	3,678.73	1/4	3,320.16	1/4	2,960.59	1/4	2,601.03	1/4	2,241.46	1/4	1,881.89	1/4	1,521.82	1/4	1,162.75	1/4	803.19	1/4	443.62	1/4	84.05			
1/2	1/2	5,104.29	1/2	4,750.94	1/2	4,391.37	1/2	4,031.81	1/2	3,672.24	1/2	3,312.67	1/2	2,953.53	1/2	2,593.53	1/2	2,233.97	1/2	1,874.40	1/2	1,514.83	1/2	1,154.83	1/2	795.69	1/2	436.13	1/2	76.56			
3/4	3/4	5,098.67	3/4	4,743.45	3/4	4,383.88	3/4	4,024.32	3/4	3,664.75	3/4	3,306.18	3/4	2,945.51	3/4	2,586.04	3/4	2,226.48	3/4	1,866.91	3/4	1,507.34	3/4	1,147.77	3/4	788.20	3/4	428.84	3/4	69.07			
5	5	5,093.04	5	4,735.96	5	4,376.39	5	4,016.82	5	3,657.26	5	3,297.69	5	2,938.12	5	2,578.55	5	2,218.98	5	1,859.42	5	1,499.85	5	1,140.28	5	780.71	5	421.14	5	61.58			
1/4	1/4	5,086.17	1/4	4,728.47	1/4	4,368.90	1/4	4,009.33	1/4	3,649.77	1/4	3,290.20	1/4	2,930.63	1/4	2,571.06	1/4	2,211.49	1/4	1,851.93	1/4	1,492.36	1/4	1,132.79	1/4	773.22	1/4	413.65	1/4	55.02			
1/2	1/2	5,079.30	1/2	4,720.98	1/2	4,361.41	1/2	4,001.84	1/2	3,642.27	1/2	3,282.71	1/2	2,923.14	1/2	2,563.57	1/2	2,204.00	1/2	1,844.43	1/2	1,484.87	1/2	1,125.30	1/2	765.73	1/2	406.16	1/2	48.46			
3/4	3/4	5,072.43	3/4	4,713.49	3/4	4,353.92	3/4	3,994.35	3/4	3,634.78	3/4	3,275.22	3/4	2,916.55	3/4	2,556.98	3/4	2,196.51	3/4	1,836.94	3/4	1,477.38	3/4	1,117.81	3/4	758.24	3/4	398.87	3/4	41.90			
6	6	5,065.56	6	4,706.00	6	4,346.43	6	3,986.86	6	3,627.29	6	3,267.72	6	2,908.15	6	2,548.58	6	2,189.02	6	1,829.45	6	1,469.88	6	1,110.32	6	750.75	6	391.18	6	35.34			
1/4	1/4	5,058.07	1/4	4,698.51	1/4	4,338.94	1/4	3,979.37	1/4	3,619.80	1/4	3,259.23	1/4	2,900.67	1/4	2,541.10	1/4	2,181.53	1/4	1,821.96	1/4	1,462.39	1/4	1,102.83	1/4	743.26	1/4	383.69	1/4	30.65			
1/2	1/2	5,050.58	1/2	4,691.01	1/2	4,331.45	1/2	3,971.88	1/2	3,612.31	1/2	3,252.74	1/2	2,893.17	1/2	2,533.61	1/2	2,174.04	1/2	1,814.47	1/2	1,454.90	1/2	1,095.33	1/2	735.77	1/2	376.20	1/2	26.98			
3/4	3/4	5,043.09	3/4	4,683.52	3/4	4,323.96	3/4	3,964.39	3/4	3,604.82	3/4	3,245.25	3/4	2,885.58	3/4	2,526.12	3/4	2,166.55	3/4	1,806.98	3/4	1,447.41	3/4	1,087.84	3/4	728.28	3/4	368.71	3/4	21.29			
7	7	5,035.60	7	4,676.03	7	4,316.46	7	3,956.90	7	3,597.33	7	3,237.76	7	2,878.19	7	2,518.62	7	2,159.06	7	1,799.49	7	1,439.92	7	1,080.35	7	720.78	7	361.22	7	35.32	7	16.61	
1/4	1/4	5,028.11	1/4	4,668.54	1/4	4,308.97	1/4	3,949.41	1/4	3,589.84	1/4	3,230.27	1/4	2,870.70	1/4	2,511.13	1/4	2,151.57	1/4	1,792.00	1/4	1,432.43	1/4	1,072.86	1/4	713.29	1/4	353.73	1/4	32.76			
1/2	1/2	5,020.62	1/2	4,661.05	1/2	4,301.48	1/2	3,941.91	1/2	3,582.35	1/2	3,222.78	1/2	2,863.21	1/2	2,503.64	1/2	2,144.07	1/2	1,784.51	1/2	1,424.94	1/2	1,065.37	1/2	705.80	1/2	346.23	1/2	31.67			
3/4	3/4	5,013.13	3/4	4,653.56	3/4	4,293.99	3/4	3,934.42	3/4	3,574.86	3/4	3,215.29	3/4	2,855.72	3/4	2,496.15	3/4	2,136.58	3/4	1,777.02	3/4	1,417.45	3/4	1,057.88	3/4	698.31							



BARGE "MPC-645"
MARATHON PETROLEUM CORP.

OUTAGE TABLE

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

HULL NO. 2169-18

N	I	0 FT.	N	I	1 FT.	N	I	2 FT.	N	I	3 FT.	N	I	4 FT.	N	I	5 FT.	N	I	6 FT.	N	I	7 FT.	N	I	8 FT.	N	I	9 FT.	N	I	10 FT.	N	I	11 FT.	N	I	12 FT.	N	I	13 FT.	N	I	14 FT.	N	I	15 FT.
0	0	4,721.41	0	4,514.81	0	4,244.61	0	3,974.42	0	3,701.53	0	3,421.35	0	3,064.78	0	2,706.90	0	2,349.01	0	1,991.12	0	1,633.23	0	1,275.34	0	917.46	0	559.57	0	201.66																	
1/4	1/4	4,721.04	1/4	4,509.18	1/4	4,238.98	1/4	3,968.79	1/4	3,696.79	1/4	3,415.22	1/4	3,057.33	1/4	2,699.44	1/4	2,341.55	1/4	1,982.61	1/4	1,624.78	1/4	1,267.89	1/4	910.00	1/4	552.11	1/4	194.22																	
1/2	1/2	4,720.67	1/2	4,503.55	1/2	4,233.36	1/2	3,963.16	1/2	3,690.06	1/2	3,407.76	1/2	3,049.87	1/2	2,691.98	1/2	2,334.10	1/2	1,976.21	1/2	1,618.32	1/2	1,260.43	1/2	902.54	1/2	544.66	1/2	186.77																	
3/4	3/4	4,720.30	3/4	4,497.92	3/4	4,227.73	3/4	3,957.53	3/4	3,684.32	3/4	3,400.30	3/4	3,042.42	3/4	2,684.53	3/4	2,326.64	3/4	1,968.75	3/4	1,610.86	3/4	1,252.88	3/4	899.09	3/4	537.20	3/4	179.31																	
1	1	4,718.97	1	4,492.29	1	4,222.10	1	3,951.91	1	3,678.58	1	3,392.85	1	3,034.96	1	2,677.07	1	2,319.18	1	1,961.30	1	1,603.41	1	1,245.52	1	887.63	1	529.74	1	171.86																	
1/4	1/4	4,717.65	1/4	4,486.66	1/4	4,216.47	1/4	3,946.28	1/4	3,672.84	1/4	3,385.39	1/4	3,027.50	1/4	2,669.62	1/4	2,311.73	1/4	1,955.84	1/4	1,599.95	1/4	1,238.06	1/4	880.18	1/4	522.29	1/4	164.40																	
1/2	1/2	4,716.32	1/2	4,481.03	1/2	4,210.84	1/2	3,940.65	1/2	3,667.11	1/2	3,377.94	1/2	3,020.05	1/2	2,662.16	1/2	2,304.27	1/2	1,946.38	1/2	1,588.50	1/2	1,230.61	1/2	877.72	1/2	514.83	1/2	156.94																	
3/4	3/4	4,714.99	3/4	4,475.40	3/4	4,205.21	3/4	3,935.02	3/4	3,661.37	3/4	3,370.48	3/4	3,012.59	3/4	2,654.70	3/4	2,295.82	3/4	1,938.93	3/4	1,581.04	3/4	1,223.15	3/4	865.26	3/4	507.38	3/4	149.49																	
2	2	4,712.71	2	4,469.77	2	4,199.58	2	3,929.39	2	3,655.63	2	3,363.02	2	3,005.14	2	2,647.25	2	2,289.36	2	1,931.47	2	1,573.58	2	1,215.70	2	857.81	2	499.92	2	142.03																	
1/4	1/4	4,710.43	1/4	4,464.14	1/4	4,193.95	1/4	3,923.76	1/4	3,648.90	1/4	3,355.57	1/4	2,997.68	1/4	2,639.79	1/4	2,281.90	1/4	1,924.02	1/4	1,566.13	1/4	1,208.24	1/4	850.35	1/4	492.46	1/4	134.58																	
1/2	1/2	4,708.15	1/2	4,458.52	1/2	4,188.32	1/2	3,918.13	1/2	3,644.16	1/2	3,348.11	1/2	2,990.22	1/2	2,632.34	1/2	2,274.45	1/2	1,916.56	1/2	1,556.67	1/2	1,200.78	1/2	842.90	1/2	485.01	1/2	127.12																	
3/4	3/4	4,705.87	3/4	4,452.89	3/4	4,182.69	3/4	3,912.50	3/4	3,638.42	3/4	3,340.66	3/4	2,982.77	3/4	2,624.88	3/4	2,266.99	3/4	1,909.10	3/4	1,551.22	3/4	1,193.33	3/4	835.44	3/4	477.55	3/4	119.66																	
1	1	4,702.63	1	4,447.26	1	4,177.07	1	3,906.87	1	3,632.69	1	3,333.20	1	2,975.31	1	2,617.42	1	2,259.54	1	1,901.65	1	1,543.76	1	1,185.87	1	827.98	1	470.10	1	112.21																	
1/4	1/4	4,699.39	1/4	4,441.63	1/4	4,171.44	1/4	3,901.24	1/4	3,626.95	1/4	3,325.74	1/4	2,967.66	1/4	2,609.97	1/4	2,252.08	1/4	1,894.19	1/4	1,536.30	1/4	1,178.42	1/4	820.53	1/4	462.64	1/4	104.75																	
1/2	1/2	4,696.15	1/2	4,436.00	1/2	4,165.81	1/2	3,895.62	1/2	3,621.21	1/2	3,316.83	1/2	2,959.40	1/2	2,602.51	1/2	2,244.62	1/2	1,886.74	1/2	1,528.85	1/2	1,170.56	1/2	813.07	1/2	455.18	1/2	97.30																	
3/4	3/4	4,692.91	3/4	4,430.37	3/4	4,160.18	3/4	3,889.99	3/4	3,615.47	3/4	3,310.83	3/4	2,952.84	3/4	2,595.06	3/4	2,237.17	3/4	1,879.28	3/4	1,521.39	3/4	1,163.50	3/4	806.62	3/4	447.73	3/4	89.84																	
1	1	4,688.72	1	4,424.74	1	4,154.55	1	3,884.36	1	3,609.74	1	3,303.38	1	2,945.49	1	2,587.60	1	2,229.71	1	1,871.82	1	1,513.94	1	1,156.05	1	798.16	1	440.27	1	82.38																	
1/4	1/4	4,684.52	1/4	4,419.11	1/4	4,148.92	1/4	3,878.73	1/4	3,604.00	1/4	3,298.03	1/4	2,938.28	1/4	2,580.14	1/4	2,222.26	1/4	1,864.37	1/4	1,506.48	1/4	1,148.59	1/4	796.70	1/4	432.82	1/4	74.93																	
1/2	1/2	4,680.33	1/2	4,413.48	1/2	4,143.29	1/2	3,873.10	1/2	3,598.26	1/2	3,288.46	1/2	2,929.32	1/2	2,572.69	1/2	2,214.80	1/2	1,856.91	1/2	1,498.02	1/2	1,141.14	1/2	783.25	1/2	425.36	1/2	67.47																	
3/4	3/4	4,676.13	3/4	4,407.85	3/4	4,137.66	3/4	3,867.47	3/4	3,592.53	3/4	3,281.01	3/4	2,923.12	3/4	2,565.23	3/4	2,207.34	3/4	1,848.46	3/4	1,491.57	3/4	1,133.88	3/4	776.79	3/4	417.90	3/4	60.02																	
1	1	4,670.98	1	4,402.23	1	4,132.03	1	3,861.84	1	3,586.79	1	3,273.55	1	2,915.66	1	2,557.78	1	2,199.89	1	1,842.00	1	1,484.11	1	1,126.22	1	768.34	1	410.45	1	53.48																	
1/4	1/4	4,665.83	1/4	4,396.60	1/4	4,126.40	1/4	3,856.21	1/4	3,581.05	1/4	3,266.10	1/4	2,908.21	1/4	2,550.32	1/4	2,192.43	1/4	1,834.54	1/4	1,476.66	1/4	1,118.77	1/4	760.88	1/4	402.99	1/4	46.95																	
1/2	1/2	4,660.68	1/2	4,390.97	1/2	4,120.78	1/2	3,850.58	1/2	3,575.32	1/2	3,258.64	1/2	2,900.75	1/2	2,542.86	1/2	2,184.98	1/2	1,827.09	1/2	1,469.20	1/2	1,111.31	1/2	753.42	1/2	395.54	1/2	40.41																	
3/4	3/4	4,655.53	3/4	4,385.34	3/4	4,115.15	3/4	3,844.95	3/4	3,569.58	3/4	3,251.18	3/4	2,893.30	3/4	2,535.41	3/4	2,177.06	3/4	1,819.63	3/4	1,461.74	3/4	1,103.66	3/4	745.97	3/4	388.08	3/4	33.88																	
1	1	4,649.90	1	4,379.71	1	4,109.52	1	3,839.22	1	3,563.84	1	3,243.73	1	2,885.84	1	2,527.95	1	2,170.06	1	1,812.18	1	1,454.29	1	1,096.40	1	736.51	1	380.62	1	29.21																	
1/4	1/4	4,644.27	1/4	4,374.08	1/4	4,103.89	1/4	3,833.48	1/4	3,558.10	1/4	3,236.27	1/4	2,878.38	1/4	2,520.50	1/4	2,162.61	1/4	1,804.72	1/4	1,446.83	1/4	1,088.94	1/4	731.06	1/4	373.17	1/4	24.55																	
1/2	1/2	4,638.64	1/2	4,368.45	1/2	4,098.26	1/2	3,827.74	1/2	3,552.33	1/2	3,228.82	1/2	2,873.47	1/2	2,513.04	1/2	2,155.15	1/2	1,797.26	1/2	1,439.38	1/2	1,081.49	1/2	723.60	1/2	365.71	1/2	19.88																	
3/4	3/4	4,633.01	3/4	4,362.82	3/4	4,092.63	3/4	3,822.01	3/4	3,546.56	3/4	3,221.36	3/4	2,863.39	3/4	2,505.58	3/4	2,147.70	3/4	1,789.81	3/4	1,431.92	3/4	1,074.03	3/4	716.14	3/4	358.26	3/4	15.21																	
1	1	4,627.39	1	4,357.19	1	4,087.00	1	3,816.27	1	3,540.79	1	3,213.90	1	2,856.02	1	2,498.13	1	2,140.24	1	1,782.35	1	1,424.46	1	1,066.58	1	708.69	1	350.80	1	7																	
1/4	1/4	4,621.76	1/4	4,351.56	1/4	4,081.37	1/4	3,810.53	1/4	3,535.01	1/4	3,206.45	1/4	2,848.66	1/4	2,490.67	1/4	2,132.78	1/4	1,774.90	1/4	1,417.01	1/4	1,059.12	1/4	701.23	1/4	343.34	1/4	3																	
1/2	1/2	4,616.13	1/2	4,345.94	1/2	4,075.74	1/2	3,804.80	1/2	3,529.17	1/2	3,198.99	1/2	2,841.10	1/2	2,483.22	1/2	2,125.33	1/2	1,767.44	1/2	1,411.81	1/2	1,051.66	1/2	693.78	1/2	335.89	1/2	1																	
3/4	3/4	4,610.50	3/4	4,340.31	3/4	4,070.11	3/4	3,799.06	3/4	3,523.32	3/4	3,191.54	3/4	2,833.55	3/4	2,475.76	3/4	2,117.87	3/4	1,759.98	3/4	1,402.10	3/4	1,044.21	3/4	686.32	3/4	328.43	3/4																		
1	1	4,604.87	1	4,334.68	1	4,064.49	1	3,793.32	1	3,517.48	1	3,184.08	1	2,826.19	1	2,46																															



BARGE "MPC-645"
MARATHON PETROLEUM CORP.

OUTAGE TABLE

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

HULL NO. 2169-18

	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.				
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	4,721.78	0	4,520.43	0	4,250.24	0	3,980.05	0	3,707.27	0	3,427.48	0	3,072.24	0	2,774.35	0	2,356.46	0	1,998.58	0	1,640.69	0	1,282.80	0	924.91	0	567.02	0	209.14			
1/4	1/4	4,721.41	1/4	4,514.81	1/4	4,244.61	1/4	3,974.35	1/4	3,701.53	1/4	3,421.35	1/4	3,064.41	1/4	2,706.90	1/4	2,349.01	1/4	1,991.12	1/4	1,633.23	1/4	1,275.34	1/4	917.46	1/4	559.57	1/4	201.66			
1/2	1/2	4,721.04	1/2	4,509.18	1/2	4,238.98	1/2	3,968.79	1/2	3,695.79	1/2	3,415.22	1/2	3,057.33	1/2	2,699.44	1/2	2,341.55	1/2	1,983.66	1/2	1,625.78	1/2	1,267.89	1/2	910.00	1/2	552.11	1/2	194.22			
3/4	3/4	4,720.67	3/4	4,503.55	3/4	4,233.36	3/4	3,963.16	3/4	3,690.06	3/4	3,407.76	3/4	3,049.87	3/4	2,691.98	3/4	2,334.10	3/4	1,976.21	3/4	1,618.32	3/4	1,260.31	3/4	905.54	3/4	544.66	3/4	186.77			
1	1	4,720.30	1	4,497.92	1	4,227.73	1	3,957.93	1	3,684.32	1	3,400.30	1	3,042.42	1	2,684.53	1	2,326.64	1	1,968.75	1	1,610.86	1	1,252.98	1	895.09	1	537.20	1	179.31			
1/4	1/4	4,718.97	1/4	4,492.29	1/4	4,222.01	1/4	3,951.91	1/4	3,678.58	1/4	3,382.95	1/4	3,027.50	1/4	2,677.07	1/4	2,319.68	1/4	1,961.30	1/4	1,603.41	1/4	1,245.52	1/4	887.63	1/4	529.14	1/4	171.86			
1/2	1/2	4,717.65	1/2	4,486.66	1/2	4,216.47	1/2	3,946.66	1/2	3,672.84	1/2	3,382.39	1/2	3,027.50	1/2	2,676.92	1/2	2,317.73	1/2	1,953.84	1/2	1,595.95	1/2	1,238.06	1/2	880.18	1/2	522.29	1/2	164.40			
3/4	3/4	4,716.32	3/4	4,481.03	3/4	4,210.84	3/4	3,940.65	3/4	3,667.11	3/4	3,377.94	3/4	3,020.05	3/4	2,662.16	3/4	2,304.27	3/4	1,946.38	3/4	1,588.50	3/4	1,230.61	3/4	872.72	3/4	514.83	3/4	156.94			
2	2	4,714.99	2	4,475.40	2	4,205.21	2	3,935.02	2	3,661.37	2	3,370.48	2	3,012.59	2	2,654.70	2	2,296.82	2	1,938.93	2	1,581.04	2	1,223.15	2	865.26	2	507.38	2	149.49			
1/4	1/4	4,712.71	1/4	4,469.77	1/4	4,199.58	1/4	3,929.39	1/4	3,655.63	1/4	3,365.02	1/4	3,005.14	1/4	2,647.25	1/4	2,289.36	1/4	1,931.47	1/4	1,573.58	1/4	1,215.70	1/4	857.81	1/4	499.92	1/4	142.03			
1/2	1/2	4,710.43	1/2	4,464.14	1/2	4,193.95	1/2	3,923.76	1/2	3,649.90	1/2	3,355.57	1/2	2,997.18	1/2	2,639.79	1/2	2,281.90	1/2	1,924.02	1/2	1,566.13	1/2	1,200.78	1/2	842.90	1/2	492.46	1/2	134.58			
3/4	3/4	4,708.15	3/4	4,458.52	3/4	4,188.32	3/4	3,918.13	3/4	3,644.16	3/4	3,348.11	3/4	2,990.22	3/4	2,632.34	3/4	2,274.45	3/4	1,916.56	3/4	1,558.67	3/4	1,193.33	3/4	835.44	3/4	485.01	3/4	127.12			
3	3	4,705.87	3	4,452.89	3	4,182.69	3	3,912.50	3	3,638.42	3	3,333.20	3	2,982.77	3	2,624.88	3	2,266.99	3	1,909.10	3	1,551.22	3	1,185.87	3	827.98	3	477.55	3	119.66			
1/4	1/4	4,702.63	1/4	4,447.26	1/4	4,177.07	1/4	3,906.87	1/4	3,632.66	1/4	3,325.74	1/4	2,975.31	1/4	2,617.42	1/4	2,259.54	1/4	1,901.65	1/4	1,543.76	1/4	1,185.87	1/4	827.98	1/4	470.10	1/4	112.21			
1/2	1/2	4,699.39	1/2	4,441.63	1/2	4,171.44	1/2	3,901.24	1/2	3,628.95	1/2	3,325.74	1/2	2,967.86	1/2	2,609.97	1/2	2,252.08	1/2	1,894.19	1/2	1,536.30	1/2	1,178.42	1/2	820.53	1/2	462.64	1/2	104.75			
3/4	3/4	4,696.15	3/4	4,436.00	3/4	4,165.81	3/4	3,895.62	3/4	3,621.21	3/4	3,318.29	3/4	2,960.40	3/4	2,602.51	3/4	2,244.62	3/4	1,886.74	3/4	1,528.85	3/4	1,170.96	3/4	813.07	3/4	455.18	3/4	97.30			
4	4	4,692.91	4	4,430.37	4	4,160.18	4	3,889.99	4	3,615.47	4	3,310.83	4	2,952.94	4	2,595.06	4	2,237.17	4	1,879.28	4	1,521.39	4	1,163.50	4	805.62	4	447.73	4	440.27	4	89.84	
1/4	1/4	4,688.72	1/4	4,424.74	1/4	4,154.55	1/4	3,884.36	1/4	3,609.74	1/4	3,303.38	1/4	2,945.49	1/4	2,587.60	1/4	2,229.71	1/4	1,871.82	1/4	1,513.94	1/4	1,156.05	1/4	798.16	1/4	432.82	1/4	790.70	1/4	432.82	
1/2	1/2	4,684.52	1/2	4,419.11	1/2	4,148.92	1/2	3,878.73	1/2	3,604.00	1/2	3,296.92	1/2	2,938.03	1/2	2,580.14	1/2	2,222.26	1/2	1,864.37	1/2	1,508.48	1/2	1,148.59	1/2	790.70	1/2	425.36	1/2	67.47			
3/4	3/4	4,680.33	3/4	4,413.48	3/4	4,143.29	3/4	3,873.10	3/4	3,598.26	3/4	3,288.46	3/4	2,930.58	3/4	2,572.69	3/4	2,214.80	3/4	1,856.91	3/4	1,499.02	3/4	1,141.14	3/4	783.25	3/4	425.36	3/4	67.47			
5	5	4,676.13	5	4,407.85	5	4,137.66	5	3,867.47	5	3,592.53	5	3,282.01	5	2,923.12	5	2,565.23	5	2,207.34	5	1,849.46	5	1,491.57	5	1,133.68	5	775.79	5	417.90	5	60.02	5	60.02	
1/4	1/4	4,670.98	1/4	4,402.23	1/4	4,132.03	1/4	3,861.84	1/4	3,586.79	1/4	3,273.55	1/4	2,915.66	1/4	2,557.78	1/4	2,199.89	1/4	1,842.00	1/4	1,484.11	1/4	1,126.22	1/4	768.34	1/4	410.45	1/4	53.48			
1/2	1/2	4,665.83	1/2	4,396.60	1/2	4,126.40	1/2	3,856.21	1/2	3,581.05	1/2	3,266.10	1/2	2,908.21	1/2	2,550.32	1/2	2,192.43	1/2	1,834.54	1/2	1,476.66	1/2	1,118.77	1/2	760.88	1/2	402.99	1/2	46.95			
3/4	3/4	4,660.68	3/4	4,390.97	3/4	4,120.78	3/4	3,850.58	3/4	3,575.32	3/4	3,256.64	3/4	2,900.75	3/4	2,542.66	3/4	2,184.98	3/4	1,827.09	3/4	1,469.20	3/4	1,111.31	3/4	753.42	3/4	395.54	3/4	40.41			
6	6	4,655.53	6	4,385.34	6	4,115.15	6	3,844.95	6	3,569.58	6	3,251.18	6	2,893.30	6	2,535.41	6	2,177.52	6	1,819.63	6	1,461.74	6	1,103.86	6	735.97	6	386.08	6	386.08	6	38.88	
1/4	1/4	4,649.90	1/4	4,379.71	1/4	4,109.52	1/4	3,839.22	1/4	3,563.84	1/4	3,243.43	1/4	2,885.84	1/4	2,527.95	1/4	2,170.06	1/4	1,812.18	1/4	1,454.29	1/4	1,096.40	1/4	738.51	1/4	380.62	1/4	29.21			
1/2	1/2	4,644.27	1/2	4,374.08	1/2	4,103.89	1/2	3,833.48	1/2	3,558.10	1/2	3,236.27	1/2	2,876.38	1/2	2,520.50	1/2	2,162.61	1/2	1,804.72	1/2	1,446.83	1/2	1,088.94	1/2	731.06	1/2	373.17	1/2	24.55			
3/4	3/4	4,638.64	3/4	4,368.45	3/4	4,098.26	3/4	3,823.74	3/4	3,552.33	3/4	3,228.82	3/4	2,870.93	3/4	2,513.04	3/4	2,153.04	3/4	1,797.26	3/4	1,439.38	3/4	1,081.49	3/4	723.60	3/4	365.71	3/4	19.88			
7	7	4,633.01	7	4,362.82	7	4,092.63	7	3,822.01	7	3,546.56	7	3,221.36	7	2,863.47	7	2,505.58	7	2,147.70	7	1,789.81	7	1,431.92	7	1,074.03	7	716.14	7	358.26	7	358.26	7	15.21	
1/4	1/4	4,627.39	1/4	4,357.19	1/4	4,087.00	1/4	3,816.27	1/4	3,540.79	1/4	3,213.90	1/4	2,855.02	1/4	2,498.13	1/4	2,140.24	1/4	1,782.35	1/4	1,424.46	1/4	1,066.58	1/4	708.67	1/4	350.80	1/4	28.70			
1/2	1/2	4,621.76	1/2	4,351.56	1/2	4,081.37	1/2	3,810.53	1/2	3,535.01	1/2	3,206.45	1/2	2,846.56	1/2	2,488.67	1/2	2,132.78	1/2	1,774.90	1/2	1,417.01	1/2	1,059.12	1/2	701.23	1/2	343.34	1/2	24.55			
3/4	3/4	4,616.13	3/4	4,345.94	3/4	4,070.14	3/4	3,804.80	3/4	3,529.17	3/4	3,198.99	3/4	2,841.10	3/4	2,483.22	3/4	2,125.33	3														