



BARGE "MPC-631"

MARATHON PETROLEUM CORP.

HULL NO. 2169-4

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 1/2"	NIL
2'-0"	(+) 0' - 0 5/8"	(+) 0' - 0 5/8"	NIL
2'-6"	(+) 0' - 0 3/4"	(+) 0' - 0 3/4"	NIL
3'-0"	(+) 0' - 0 7/8"	(+) 0' - 0 7/8"	NIL
3'-6"	(+) 0' - 1"	(+) 0' - 1"	NIL
4'-0"	(+) 0' - 1 1/8"	(+) 0' - 1 1/4"	NIL
4'-6"	(+) 0' - 1 3/8"	(+) 0' - 1 3/8"	NIL
5'-0"	(+) 0' - 1 1/2"	(+) 0' - 1 1/2"	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: 4/6/08 BY: 

INSPECTORATE AMERICA CORPORATION



BARGE "MPC-631"
MARATHON PETROLEUM CORP.

OUTAGE TABLE

1 PORT

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

[illegible]

CAPACITY BELOW STRIKE POINT.

REFERENCE GAUGE HEIGHT : 15'-7 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

INSPECTORATE AMERICA CORPORATION



INSPECTORATE
ISO 9002 ACCREDITED

BARGE "MPC-631"
MARATHON PETROLEUM CORP.

OUTAGE TABLE

1 STAR

BARGE SHOULD BE ON EVEN LEVEL KEEL WHEN GAUGES ARE TAKEN

HULL NO. 2198-4

0 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
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15

* CAPACITY BELOW STRIKE POINT.

REFERENCE GAUGE HEIGHT : 15'-7" (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

[Signature]

BARGE "MPC-631"
MARATHON PETROLEUM CORP.
OUTAGE TABLE

2 PORT

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

HULL NO. 2169-4

[illegible]

* CAPACITY BELOW STRIKE POINT.

REFERENCE GAUGE HEIGHT : 15'-6 3/4" (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.

INSPECTORATE AMERICA CORPORATION

BARGE "MPC-631"
MARATHON PETROLEUM CORP
OUTAGE TABLE

2 STAR

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

HULL NO. 2169-4

PACKAGES GIVEN IN BARRELS OF 47 U.S. GALLONS																																															
N	M	0 FT.	N	M	1 FT.	N	M	2 FT.	N	M	3 FT.	N	M	4 FT.	N	M	5 FT.	N	M	6 FT.	N	M	7 FT.	N	M	8 FT.	N	M	9 FT.	N	M	10 FT.	N	M	11 FT.	N	M	12 FT.	N	M	13 FT.	N	M	14 FT.	N	M	15 FT.
0	0	5,161.52	0	0	4,891.63	0	0	4,531.43	0	0	4,171.34	0	0	3,811.24	0	0	3,451.14	0	0	3,091.05	0	0	2,730.96	0	0	2,370.86	0	0	2,010.76	0	0	1,650.66	0	0	1,290.57	0	0	930.47	0	0	570.38	0	0	210.28			
1/4	1/4	5,160.89	1/4	4,884.03	1/4	4,523.93	1/4	4,163.83	1/4	3,803.74	1/4	3,443.64	1/4	3,083.55	1/4	2,723.46	1/4	2,363.35	1/4	1,993.26	1/4	1,633.16	1/4	1,273.07	1/4	912.97	1/4	552.87	1/4	1,993.26	1/4	1,633.16	1/4	1,273.07	1/4	912.97	1/4	552.87	1/4	1,993.26	1/4	1,633.16	1/4	1,273.07	1/4	912.97	
1/2	1/2	4,876.52	1/2	4,516.43	1/2	4,156.33	1/2	3,796.24	1/2	3,436.14	1/2	3,076.04	1/2	2,715.95	1/2	2,355.85	1/2	2,005.76	1/2	1,645.66	1/2	1,285.56	1/2	925.47	1/2	562.77	1/2	202.78	1/2	1,645.66	1/2	1,285.56	1/2	925.47	1/2	562.77	1/2	202.78	1/2	1,645.66	1/2	1,285.56	1/2	925.47			
3/4	3/4	4,589.02	3/4	4,228.93	3/4	3,868.83	3/4	3,508.73	3/4	3,148.63	3/4	2,788.54	3/4	2,428.44	3/4	2,068.34	3/4	1,708.24	3/4	1,348.15	3/4	988.05	3/4	627.95	3/4	267.67	3/4	107.47	3/4	1,348.15	3/4	988.05	3/4	627.95	3/4	267.67	3/4	107.47	3/4	1,348.15	3/4	988.05	3/4	627.95			
1	1	5,159.02	1	4,869.02	1	4,509.02	1	4,149.02	1	3,789.02	1	3,429.02	1	3,069.02	1	2,709.02	1	2,349.02	1	2,009.02	1	1,649.02	1	1,289.02	1	929.02	1	569.02	1	2,009.02	1	1,649.02	1	1,289.02	1	929.02	1	569.02	1	2,009.02	1	1,649.02	1	1,289.02	1	929.02	
1/4	1/4	5,157.14	1/4	4,867.14	1/4	4,507.14	1/4	4,147.14	1/4	3,787.14	1/4	3,427.14	1/4	3,067.14	1/4	2,707.14	1/4	2,347.14	1/4	2,007.14	1/4	1,647.14	1/4	1,287.14	1/4	927.14	1/4	567.14	1/4	1,647.14	1/4	1,287.14	1/4	927.14	1/4	567.14	1/4	1,647.14	1/4	1,287.14	1/4	927.14					
1/2	1/2	4,865.27	1/2	4,505.17	1/2	4,145.07	1/2	3,785.07	1/2	3,425.07	1/2	3,065.07	1/2	2,705.07	1/2	2,345.07	1/2	2,005.07	1/2	1,645.07	1/2	1,285.07	1/2	925.07	1/2	565.07	1/2	202.78	1/2	1,645.07	1/2	1,285.07	1/2	925.07	1/2	565.07	1/2	202.78	1/2	1,645.07	1/2	1,285.07	1/2	925.07			
3/4	3/4	4,587.14	3/4	4,227.04	3/4	3,867.04	3/4	3,507.04	3/4	3,147.04	3/4	2,787.04	3/4	2,427.04	3/4	2,067.04	3/4	1,707.04	3/4	1,347.04	3/4	987.04	3/4	627.04	3/4	267.04	3/4	107.47	3/4	1,347.04	3/4	987.04	3/4	627.04	3/4	267.04	3/4	107.47	3/4	1,347.04	3/4	987.04					
1	1	5,155.27	1	4,865.27	1	4,505.17	1	4,145.07	1	3,785.07	1	3,425.07	1	3,065.07	1	2,705.07	1	2,345.07	1	2,005.07	1	1,645.07	1	1,285.07	1	925.07	1	565.07	1	2,005.07	1	1,645.07	1	1,285.07	1	925.07	1	565.07	1	2,005.07	1	1,645.07	1	1,285.07			
1/4	1/4	5,153.39	1/4	4,863.39	1/4	4,503.39	1/4	4,143.39	1/4	3,783.39	1/4	3,423.39	1/4	3,063.39	1/4	2,703.39	1/4	2,343.39	1/4	2,003.39	1/4	1,643.39	1/4	1,283.39	1/4	903.39	1/4	543.39	1/4	1,643.39	1/4	1,283.39	1/4	903.39	1/4	543.39	1/4	1,643.39	1/4	1,283.39	1/4	903.39					
1/2	1/2	4,863.52	1/2	4,503.42	1/2	4,143.32	1/2	3,783.22	1/2	3,423.12	1/2	3,063.02	1/2	2,703.02	1/2	2,343.02	1/2	2,003.02	1/2	1,643.02	1/2	1,283.02	1/2	923.02	1/2	563.02	1/2	202.78	1/2	1,643.02	1/2	1,283.02	1/2	923.02	1/2	563.02	1/2	202.78	1/2	1,643.02	1/2	1,283.02					
3/4	3/4	4,583.39	3/4	4,223.29	3/4	3,863.19	3/4	3,503.09	3/4	3,143.09	3/4	2,783.09	3/4	2,423.09	3/4	2,063.09	3/4	1,703.09	3/4	1,343.09	3/4	983.09	3/4	623.09	3/4	263.09	3/4	107.	3/4	1,343.09	3/4	983.09	3/4	623.09	3/4	263.09	3/4	107.	3/4	1,343.09	3/4	983.09					
1	1	5,151.56	1	4,861.46	1	4,501.36	1	4,141.26	1	3,781.16	1	3,421.06	1	3,061.06	1	2,701.06	1	2,341.06	1	2,001.06	1	1,641.06	1	1,281.06	1	921.06	1	561.06	1	2,001.06	1	1,641.06	1	1,281.06	1	921.06	1	561.06	1	2,001.06	1	1,641.06	1	1,281.06			
1/4	1/4	5,004.06	1/4	4,643.96	1/4	4,283.87	1/4	3,923.77	1/4	3,563.67	1/4	3,203.58	1/4	2,843.48	1/4	2,483.39	1/4	2,123.29	1/4	1,763.19	1/4	1,403.10	1/4	1,043.00	1/4	682.90	1/4	322.81	1/4	1,403.10	1/4	1,043.00	1/4	682.90	1/4	322.81	1/4	1,403.10	1/4	1,043.00	1/4	682.90					
1/2	1/2	4,656.47	1/2	4,296.36	1/2	3,936.26	1/2	3,576.16	1/2	3,216.06	1/2	2,855.96	1/2	2,495.86	1/2	2,135.76	1/2	1,775.66	1/2	1,415.56	1/2	1,055.46	1/2	695.36	1/2	335.27	1/2	1,055.46	1/2	1,055.46	1/2	695.36	1/2	335.27	1/2	1,055.46	1/2	695.36	1/2	335.27							
3/4	3/4	4,299.05	3/4	3,938.95	3/4	3,578.85	3/4	3,218.75	3/4	2,858.65	3/4	2,498.55	3/4	2,138.45	3/4	1,778.35	3/4	1,418.25	3/4	1,058.15	3/4	698.05	3/4	337.95	3/4	177.86	3/4	1,058.15	3/4	698.05	3/4	337.95	3/4	177.86	3/4	1,058.15	3/4	698.05									
1	1	5,011.56	1	4,651.46	1	4,291.37	1	3,931.27	1	3,571.18	1	3,211.08	1	2,850.98	1	2,490.88	1	2,130.78	1	1,770.70	1	1,410.60	1	1,050.50	1	690.41	1	3,211.08	1	3,211.08	1	2,850.98	1	2,490.88	1	2,130.78	1	1,770.70	1	1,410.60	1	1,050.50					
1/4	1/4	5,004.06	1/4	4,643.96	1/4	4,283.87	1/4	3,923.77	1/4	3,563.67	1/4	3,203.58	1/4	2,843.48	1/4	2,483.39	1/4	2,123.29	1/4	1,763.19	1/4	1,403.10	1/4	1,043.00	1/4	682.90	1/4	322.81	1/4	1,403.10	1/4	1,043.00	1/4	682.90	1/4	322.81	1/4	1,403.10	1/4	682.90							
1/2	1/2	4,656.47	1/2	4,296.36	1/2	3,936.26	1/2	3,576.16	1/2	3,216.06	1/2	2,855.96	1/2	2,495.86	1/2	2,135.76	1/2	1,775.66	1/2	1,415.56	1/2	1,055.46	1/2	695.36	1/2	335.27	1/2	1,055.46	1/2	1,055.46	1/2	695.36	1/2	335.27	1/2	1,055.46	1/2	695.36									
3/4	3/4	4,299.05	3/4	3,938.95	3/4	3,578.85	3/4	3,218.75	3/4	2,858.65	3/4	2,498.55	3/4	2,138.45	3/4	1,778.35	3/4	1,418.25	3/4	1,058.15	3/4	698.05	3/4	337.95	3/4	177.86	3/4	1,058.15	3/4	698.05	3/4	337.95	3/4	177.86	3/4	1,058.15	3/4	698.05									
1	1	5,009.06	1	4,741.49	1	4,381.39	1	4,021.30	1	3,661.20	1	3,301.10	1	2,941.01	1	2,580.91	1	2,220.82	1	1,860.72	1	1,500.62	1	1,140.53	1	780.43	1	3,301.10	1	3,301.10	1	2,941.01	1	2,580.91	1	2,220.82	1	1,860.72	1	1,500.62							
1/4	1/4	5,004.07	1/4	4,703.98	1/4	4,343.88	1/4	3,983.78	1/4	3,623.68	1/4	3,263.59	1/4	2,903.50	1/4	2,543.40	1/4	2,183.31	1/4	1,823.21	1/4	1,463.11	1/4	1,103.02	1/4	743.92	1/4	3,263.59	1/4	3,263.59	1/4	2,903.50	1/4	2,543.40	1/4	2,183.31	1/4	1,823.21	1/4	1,463.11							
1/2	1/2	4,696.47	1/2	4,336.38	1/2	3,976.28	1/2	3,616.19	1/2	3,256.09	1/2	2,895.99	1/2	2,535.90	1/2	2,175.80	1/2	1,815.70	1/2	1,455.60	1/2	1,095.52	1/2	735.42	1/2	375.32	1/2	2,895.99	1/2	2,895.99	1/2	2,535.90	1/2	2,175.80	1/2	1,815.70	1/2	1,455.60	1/2	1,095.52							
3/4	3/4	4,304.07	3/4	3,944.07	3/4	3,584.07	3/4	3,224.07	3/4	2,864.07	3/4	2,504.07	3/4	2,144.07	3/4	1,784.07	3/4	1,424.07	3/4	1,064.07	3/4	704.07	3/4	344.07	3/4	184.07	3/4	2,504.07	3/4	2,504.07	3/4	2,144.07	3/4	1,784.07	3/4	1,424.07	3/4	1,064.07									
1	1	5,001.57	1	4,641.57	1	4,281.57	1	3,921.57	1	3,561.57	1	3,201.57	1	2,841.57	1	2,481.57	1	2,121.57	1	1,761.57	1	1,401.57	1	1,041.57	1	681.57	1	3,201.57	1	3,201.57	1	2,841.57	1	2,481.57	1	2,121.57	1	1,761.57	1	1,401.57							
1/4	1/4	5,004.07	1/4	4,641.57	1/4	4,281.57	1/4	3,921.57	1/4	3,561.57	1/4	3,201.57	1/4	2,841.57	1/4	2,481.57	1/4	2,121.57	1/4	1,761.57	1/4	1,401.57	1/4	1,041.57	1/4	681.57	1/4	3,201.57	1/4	3,201.57	1/4	2,841.57	1/4	2,481.57	1/4	2,121.57	1/4	1,761.57	1/4	1,401.57							
1/2	1/2	4,696.47	1/2	4,336.38	1/2	3,976.28	1/2	3,616.19	1/2	3,256.09	1/2	2,895.99	1/2	2,535.90	1/2	2,175.80	1/2	1,815.70	1/2	1,455.60	1/2	1,095.52	1/2	735.42	1/2	375.32	1/2	2,895.99	1/2	2,895.99	1/2	2,535.90	1/2	2,175.80	1/2	1,815.70	1/2	1,455.60	1/2	1,095.52							
3/4	3/4	4,304.07	3/4	3,944.07	3/4	3,584.07	3/4	3,224.07	3/4	2,864.07	3/4	2,504.07	3/4	2,144.07	3/4	1,784.07	3/4	1,424.07	3/4	1,064.07	3/4	704.07	3/4	344.07	3/4	184.07	3/4	2,504.07	3/4	2,504.07	3/4	2,144.07	3/4	1,784.07	3/4	1,424.07	3/4	1,064.07									
1	1	5,001.57	1	4,641.57	1	4,281.57	1	3,921.57	1	3,561.57	1	3,201.57	1	2,841.57	1	2,481.57	1	2,121.57																													

* CAPACITY BELOW STRIKE POINT

REFERENCE GAUGE HEIGHT : 15'-7" (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



ISO 9002 ACCREDITED

BARGE "MPC-631"
MARATHON PETROLEUM CORP.

OUTAGE TABLE

3 PORT

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

HULL NO. 2169-4

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	4,731.84	0	4,519.98	0	4,248.78	0	3,979.59	0	3,706.59	0	3,426.02	0	3,166.98	0	2,907.84	0	2,648.02	0	2,388.30	0	2,129.06	0	1,869.86	0	1,610.82	0	1,351.78	0	1,092.50	0	833.28
1/4	1/4	4,731.47	1/4	4,519.61	1/4	4,248.41	1/4	3,979.42	1/4	3,706.42	1/4	3,425.85	1/4	3,166.81	1/4	2,907.67	1/4	2,647.85	1/4	2,388.15	1/4	2,128.87	1/4	1,869.71	1/4	1,610.67	1/4	1,351.71	1/4	1,092.44	1/4	833.24
1/2	1/2	4,731.10	1/2	4,519.24	1/2	4,248.04	1/2	3,979.04	1/2	3,706.04	1/2	3,425.48	1/2	3,166.44	1/2	2,907.31	1/2	2,647.49	1/2	2,387.79	1/2	2,128.51	1/2	1,869.55	1/2	1,610.51	1/2	1,351.65	1/2	1,092.38	1/2	833.20
3/4	3/4	4,729.77	3/4	4,517.91	3/4	4,246.71	3/4	3,977.71	3/4	3,698.71	3/4	3,424.11	3/4	3,166.04	3/4	2,906.91	3/4	2,647.11	3/4	2,387.51	3/4	2,128.11	3/4	1,869.31	3/4	1,610.31	3/4	1,351.51	3/4	1,092.28	3/4	833.16
1	1	4,727.12	1	4,515.36	1	4,244.27	1	3,975.06	1	3,696.06	1	3,419.56	1	3,165.56	1	2,906.41	1	2,646.61	1	2,387.11	1	2,127.61	1	1,868.81	1	1,609.81	1	1,351.11	1	1,091.78	1	832.82
1/4	1/4	4,726.75	1/4	4,514.99	1/4	4,243.90	1/4	3,974.69	1/4	3,695.69	1/4	3,419.19	1/4	3,165.19	1/4	2,906.06	1/4	2,646.16	1/4	2,386.76	1/4	2,127.26	1/4	1,868.46	1/4	1,609.46	1/4	1,350.76	1/4	1,091.44	1/4	832.78
1/2	1/2	4,726.38	1/2	4,514.62	1/2	4,243.53	1/2	3,974.32	1/2	3,695.32	1/2	3,418.82	1/2	3,165.18	1/2	2,905.86	1/2	2,645.86	1/2	2,386.46	1/2	2,126.86	1/2	1,868.16	1/2	1,609.16	1/2	1,350.46	1/2	1,091.12	1/2	832.74
3/4	3/4	4,725.01	3/4	4,513.25	3/4	4,242.16	3/4	3,972.96	3/4	3,694.96	3/4	3,418.36	3/4	3,164.66	3/4	2,905.41	3/4	2,645.41	3/4	2,386.01	3/4	2,126.41	3/4	1,867.81	3/4	1,608.81	3/4	1,350.01	3/4	1,090.80	3/4	832.70
2	2	4,723.51	2	4,511.75	2	4,240.66	2	3,971.46	2	3,693.46	2	3,417.86	2	3,164.16	2	2,904.91	2	2,644.91	2	2,385.51	2	2,125.91	2	1,867.31	2	1,608.31	2	1,349.51	2	1,090.38	2	832.66
1/4	1/4	4,723.14	1/4	4,511.38	1/4	4,240.29	1/4	3,971.09	1/4	3,693.09	1/4	3,417.49	1/4	3,163.79	1/4	2,904.56	1/4	2,644.56	1/4	2,385.16	1/4	2,125.56	1/4	1,867.01	1/4	1,608.01	1/4	1,349.16	1/4	1,090.12	1/4	832.62
1/2	1/2	4,722.77	1/2	4,511.01	1/2	4,239.92	1/2	3,970.72	1/2	3,692.72	1/2	3,417.12	1/2	3,163.42	1/2	2,904.19	1/2	2,644.19	1/2	2,384.79	1/2	2,125.19	1/2	1,866.81	1/2	1,607.81	1/2	1,348.79	1/2	1,089.98	1/2	832.58
3/4	3/4	4,721.40	3/4	4,509.64	3/4	4,238.55	3/4	3,969.54	3/4	3,691.54	3/4	3,416.54	3/4	3,162.54	3/4	2,903.54	3/4	2,643.54	3/4	2,383.54	3/4	2,124.54	3/4	1,865.84	3/4	1,606.84	3/4	1,347.84	3/4	1,088.98	3/4	832.54
3	3	4,717.19	3	4,452.43	3	4,182.24	3	3,912.04	3	3,637.75	3	3,363.26	3	3,088.33	3	2,813.82	3	2,539.37	3	2,264.92	3	1,990.47	3	1,716.02	3	1,441.57	3	1,167.12	3	892.67	3	618.22
1/4	1/4	4,716.82	1/4	4,452.06	1/4	4,181.87	1/4	3,911.67	1/4	3,637.49	1/4	3,363.04	1/4	3,088.33	1/4	2,813.82	1/4	2,539.37	1/4	2,264.92	1/4	1,990.47	1/4	1,716.02	1/4	1,441.57	1/4	1,167.12	1/4	892.67	1/4	618.22
1/2	1/2	4,716.45	1/2	4,451.69	1/2	4,181.50	1/2	3,911.49	1/2	3,637.30	1/2	3,362.87	1/2	3,088.16	1/2	2,813.65	1/2	2,539.16	1/2	2,264.71	1/2	1,989.99	1/2	1,715.81	1/2	1,441.39	1/2	1,166.94	1/2	892.63	1/2	618.18
3/4	3/4	4,715.08	3/4	4,450.32	3/4	4,180.13	3/4	3,910.24	3/4	3,636.53	3/4	3,362.50	3/4	3,087.91	3/4	2,813.43	3/4	2,538.99	3/4	2,264.46	3/4	1,989.74	3/4	1,715.66	3/4	1,441.21	3/4	1,166.76	3/4	892.59	3/4	618.14
4	4	4,691.32	4	4,429.91	4	4,159.72	4	3,889.53	4	3,614.80	4	3,339.34	4	3,064.36	4	2,789.39	4	2,514.42	4	2,239.45	4	1,964.48	4	1,689.51	4	1,414.54	4	1,139.57	4	869.60	4	594.63
1/4	1/4	4,690.95	1/4	4,429.54	1/4	4,159.35	1/4	3,889.16	1/4	3,614.43	1/4	3,339.04	1/4	3,064.09	1/4	2,789.16	1/4	2,514.19	1/4	2,239.22	1/4	1,964.25	1/4	1,689.26	1/4	1,414.36	1/4	1,139.39	1/4	869.56	1/4	594.59
1/2	1/2	4,690.58	1/2	4,429.17	1/2	4,158.98	1/2	3,888.79	1/2	3,614.06	1/2	3,338.67	1/2	3,063.72	1/2	2,788.79	1/2	2,513.82	1/2	2,238.75	1/2	1,964.08	1/2	1,688.89	1/2	1,414.18	1/2	1,139.21	1/2	869.52	1/2	594.56
3/4	3/4	4,689.21	3/4	4,428.80	3/4	4,158.61	3/4	3,888.42	3/4	3,613.69	3/4	3,338.30	3/4	3,063.35	3/4	2,788.42	3/4	2,513.45	3/4	2,238.38	3/4	1,963.81	3/4	1,688.52	3/4	1,413.99	3/4	1,139.04	3/4	869.48	3/4	594.53
5	5	4,671.48	5	4,407.40	5	4,137.20	5	3,867.01	5	3,591.85	5	3,316.38	5	3,041.41	5	2,766.44	5	2,491.47	5	2,216.50	5	1,941.53	5	1,666.56	5	1,391.59	5	1,116.62	5	846.65	5	571.68
1/4	1/4	4,671.11	1/4	4,407.03	1/4	4,136.83	1/4	3,866.64	1/4	3,591.48	1/4	3,316.01	1/4	3,041.04	1/4	2,766.07	1/4	2,491.10	1/4	2,216.13	1/4	1,941.16	1/4	1,666.19	1/4	1,391.22	1/4	1,116.25	1/4	846.61	1/4	571.64
1/2	1/2	4,670.74	1/2	4,406.66	1/2	4,136.46	1/2	3,866.27	1/2	3,591.11	1/2	3,315.64	1/2	3,040.67	1/2	2,765.70	1/2	2,490.73	1/2	2,215.76	1/2	1,940.79	1/2	1,665.82	1/2	1,390.84	1/2	1,115.87	1/2	846.57	1/2	571.60
3/4	3/4	4,669.37	3/4	4,406.29	3/4	4,136.09	3/4	3,865.90	3/4	3,590.74	3/4	3,315.27	3/4	3,040.30	3/4	2,765.33	3/4	2,490.36	3/4	2,215.40	3/4	1,940.42	3/4	1,665.45	3/4	1,390.46	3/4	1,115.50	3/4	846.53	3/4	571.56
6	6	4,653.56	6	4,382.58	6	4,110.39	6	3,842.28	6	3,567.94	6	3,292.47	6	3,017.50	6	2,742.53	6	2,467.56	6	2,192.59	6	1,917.62	6	1,642.65	6	1,367.68	6	1,092.71	6	822.74	6	547.77
1/4	1/4	4,653.19	1/4	4,382.21	1/4	4,110.02	1/4	3,841.91	1/4	3,567.57	1/4	3,292.10	1/4	3,017.13	1/4	2,742.16	1/4	2,467.19	1/4	2,192.22	1/4	1,917.25	1/4	1,642.28	1/4	1,367.31	1/4	1,092.34	1/4	822.70	1/4	547.73
1/2	1/2	4,652.82	1/2	4,381.84	1/2	4,109.65	1/2	3,841.54	1/2	3,567.20	1/2	3,291.73	1/2	3,016.76	1/2	2,741.79	1/2	2,466.82	1/2	2,191.85	1/2	1,916.88	1/2	1,641.91	1/2	1,366.94	1/2	1,091.97	1/2	822.66	1/2	547.69
3/4	3/4	4,651.45	3/4	4,381.47	3/4	4,109.28	3/4	3,841.17	3/4	3,566.83	3/4	3,291.36	3/4	3,016.39	3/4	2,741.42	3/4	2,466.45	3/4	2,191.48	3/4	1,916.51	3/4	1,641.54	3/4	1,366.57	3/4	1,091.60	3/4	822.62	3/4	547.65
7	7	4,632.56	7	4,362.36	7	4,082.17	7	3,821.33	7	3,545.84	7	3,270.37	7	2,995.40	7	2,720.43	7	2,445.46	7	2,170.49	7	1,895.52	7	1,620.55	7	1,345.58	7	1,070.61	7	805.64	7	530.67
1/4	1/4	4,632.19	1/4	4,361.99	1/4	4,081.80	1/4	3,820.96	1/4	3,545.47	1/4	3,269.99	1/4	2,995.02	1/4	2,719.95	1/4	2,445.08	1/4	2,170.12	1/4	1,895.15	1/4	1,620.18	1/4	1,345.21	1/4	1,070.24	1/4	805.60	1/4	530.63
1/2	1/2	4,631.82	1/2	4,361.62	1/2	4,081.43	1/2	3,820.59	1/2	3,545.10	1/2	3,269.62	1/2	2,994.65	1/2	2,719.58	1/2	2,444.71	1/2	2,169.75	1/2	1,894.78	1/2	1,619.81	1/2	1,344.84	1/2	1,069.87	1/2	805.56	1/2	530.59
3/4	3/4	4,630.45	3/4	4,360.25	3/4	4,081.06	3/4	3,820.22	3/4	3,544.73	3/4	3,269.25	3/4	2,994.28	3/4	2,719.21	3/4	2,444.34	3/4	2,169.38	3/4	1,894.41	3/4	1,619.44	3/4	1,344.47	3/4	1,069.50	3/4	805.52	3/4	530.55
8	8	4,610.04	8	4,339.85	8	4,059.66	8	3,798.38	8	3,522.43	8	3,246.46	8	2,971.49	8	2,696.52	8	2,421.55	8	2,146.58	8	1,871.61	8	1,596.64	8	1,321.67	8	1,046.70	8	771.73	8	501.76
1/4	1/4	4,609.67	1/4	4,339.48	1/4	4,059.29	1/4	3,798.01	1/4	3,522.06	1/4	3,246.09	1/4	2,971.12	1/4	2,696.15	1/4	2,421.18	1/4	2,146.21	1/4	1,871.24	1/4	1,596.27	1/4	1,321.30	1/4	1,046.33	1/4	771.69	1/4	501.72
1/2	1/2	4,609.30	1/2	4,339.11	1/2	4,058.92	1/2	3,797.64	1/2	3,521.69	1/2	3,245.72	1/2	2,970.75	1/2	2,695.78	1/2	2,420.81	1/2	2,145.84	1/2	1,870.87	1/2	1,595.90	1/2	1,320.93	1/2	1,045.96	1/2	771.65	1/2	501.68
3/4	3/4	4,607.93	3/4	4,337.74	3/4	4,058.55	3/4	3,797.27	3/4	3,521.32	3/4	3,245.35	3/4	2,970.38	3/4	2,695.41	3/4	2,420.44	3/4	2,145.47	3/4	1,870.50	3/4	1,595.53	3/4	1,						

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



BARGE "MPC-631"
MARATHON PETROLEUM CORP.

OUTAGE TABLE

3 STAR

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

HULL NO. 2169-4

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	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
0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
1/4	1/4	4,732.58	4,732.21	4,732.58	4,732.21	4,732.58	4,732.21	4,732.58	4,732.21	4,732.58	4,732.21	4,732.58	4,732.21	4,732.58	4,732.21	4,732.58	4,732.21	4,732.58	4,732.21	4,732.58	4,732.21	4,732.58	4,732.21	4,732.58	4,732.21	4,732.58	4,732.21	4,732.58	4,732.21	4,732.58	
1/2	1/2	4,525.61	4,525.61	4,525.61	4,525.61	4,525.61	4,525.61	4,525.61	4,525.61	4,525.61	4,525.61	4,525.61	4,525.61	4,525.61	4,525.61	4,525.61	4,525.61	4,525.61	4,525.61	4,525.61	4,525.61	4,525.61	4,525.61	4,525.61	4,525.61	4,525.61	4,525.61	4,525.61	4,525.61	4,525.61	
3/4	3/4	4,731.84	4,731.84	4,731.84	4,731.84	4,731.84	4,731.84	4,731.84	4,731.84	4,731.84	4,731.84	4,731.84	4,731.84	4,731.84	4,731.84	4,731.84	4,731.84	4,731.84	4,731.84	4,731.84	4,731.84	4,731.84	4,731.84	4,731.84	4,731.84	4,731.84	4,731.84	4,731.84	4,731.84	4,731.84	
4	4	4,731.10	4,731.10	4,731.10	4,731.10	4,731.10	4,731.10	4,731.10	4,731.10	4,731.10	4,731.10	4,731.10	4,731.10	4,731.10	4,731.10	4,731.10	4,731.10	4,731.10	4,731.10	4,731.10	4,731.10	4,731.10	4,731.10	4,731.10	4,731.10	4,731.10	4,731.10	4,731.10	4,731.10	4,731.10	
5	5	4,729.17	4,729.17	4,729.17	4,729.17	4,729.17	4,729.17	4,729.17	4,729.17	4,729.17	4,729.17	4,729.17	4,729.17	4,729.17	4,729.17	4,729.17	4,729.17	4,729.17	4,729.17	4,729.17	4,729.17	4,729.17	4,729.17	4,729.17	4,729.17	4,729.17	4,729.17	4,729.17	4,729.17	4,729.17	
6	6	4,728.45	4,728.45	4,728.45	4,728.45	4,728.45	4,728.45	4,728.45	4,728.45	4,728.45	4,728.45	4,728.45	4,728.45	4,728.45	4,728.45	4,728.45	4,728.45	4,728.45	4,728.45	4,728.45	4,728.45	4,728.45	4,728.45	4,728.45	4,728.45	4,728.45	4,728.45	4,728.45	4,728.45	4,728.45	
7	7	4,727.12	4,727.12	4,727.12	4,727.12	4,727.12	4,727.12	4,727.12	4,727.12	4,727.12	4,727.12	4,727.12	4,727.12	4,727.12	4,727.12	4,727.12	4,727.12	4,727.12	4,727.12	4,727.12	4,727.12	4,727.12	4,727.12	4,727.12	4,727.12	4,727.12	4,727.12	4,727.12	4,727.12	4,727.12	
8	8	4,725.79	4,725.79	4,725.79	4,725.79	4,725.79	4,725.79	4,725.79	4,725.79	4,725.79	4,725.79	4,725.79	4,725.79	4,725.79	4,725.79	4,725.79	4,725.79	4,725.79	4,725.79	4,725.79	4,725.79	4,725.79	4,725.79	4,725.79	4,725.79	4,725.79	4,725.79	4,725.79	4,725.79	4,725.79	
9	9	4,723.51	4,723.51	4,723.51	4,723.51	4,723.51	4,723.51	4,723.51	4,723.51	4,723.51	4,723.51	4,723.51	4,723.51	4,723.51	4,723.51	4,723.51	4,723.51	4,723.51	4,723.51	4,723.51	4,723.51	4,723.51	4,723.51	4,723.51	4,723.51	4,723.51	4,723.51	4,723.51	4,723.51	4,723.51	
10	10	4,721.23	4,721.23	4,721.23	4,721.23	4,721.23	4,721.23	4,721.23	4,721.23	4,721.23	4,721.23	4,721.23	4,721.23	4,721.23	4,721.23	4,721.23	4,721.23	4,721.23	4,721.23	4,721.23	4,721.23	4,721.23	4,721.23	4,721.23	4,721.23	4,721.23	4,721.23	4,721.23	4,721.23	4,721.23	
11	11	4,718.95	4,718.95	4,718.95	4,718.95	4,718.95	4,718.95	4,718.95	4,718.95	4,718.95	4,718.95	4,718.95	4,718.95	4,718.95	4,718.95	4,718.95	4,718.95	4,718.95	4,718.95	4,718.95	4,718.95	4,718.95	4,718.95	4,718.95	4,718.95	4,718.95	4,718.95	4,718.95	4,718.95	4,718.95	
12	12	4,716.67	4,716.67	4,716.67	4,716.67	4,716.67	4,716.67	4,716.67	4,716.67	4,716.67	4,716.67	4,716.67	4,716.67	4,716.67	4,716.67	4,716.67	4,716.67	4,716.67	4,716.67	4,716.67	4,716.67	4,716.67	4,716.67	4,716.67	4,716.67	4,716.67	4,716.67	4,716.67	4,716.67	4,716.67	
13	13	4,713.19	4,713.19	4,713.19	4,713.19	4,713.19	4,713.19	4,713.19	4,713.19	4,713.19	4,713.19	4,713.19	4,713.19	4,713.19	4,713.19	4,713.19	4,713.19	4,713.19	4,713.19	4,713.19	4,713.19	4,713.19	4,713.19	4,713.19	4,713.19	4,713.19	4,713.19	4,713.19	4,713.19	4,713.19	
14	14	4,708.95	4,708.95	4,708.95	4,708.95	4,708.95	4,708.95	4,708.95	4,708.95	4,708.95	4,708.95	4,708.95	4,708.95	4,708.95	4,708.95	4,708.95	4,708.95	4,708.95	4,708.95	4,708.95	4,708.95	4,708.95	4,708.95	4,708.95	4,708.95	4,708.95	4,708.95	4,708.95	4,708.95	4,708.95	
15	15	4,703.71	4,703.71	4,703.71	4,703.71	4,703.71	4,703.71	4,703.71	4,703.71	4,703.71	4,703.71	4,703.71	4,703.71	4,703.71	4,703.71	4,703.71	4,703.71	4,703.71	4,703.71	4,703.71	4,703.71	4,703.71	4,703.71	4,703.71	4,703.71	4,703.71	4,703.71	4,703.71	4,703.71	4,703.71	
16	16	4,699.54	4,699.54	4,699.54	4,699.54	4,699.54	4,699.54	4,699.54	4,699.54	4,699.54	4,699.54	4,699.54	4,699.54	4,699.54	4,699.54	4,699.54	4,699.54	4,699.54	4,699.54	4,699.54	4,699.54	4,699.54	4,699.54	4,699.54	4,699.54	4,699.54	4,699.54	4,699.54	4,699.54	4,699.54	
17	17	4,686.93	4,686.93	4,686.93	4,686.93	4,686.93	4,686.93	4,686.93	4,686.93	4,686.93	4,686.93	4,686.93	4,686.93	4,686.93	4,686.93	4,686.93	4,686.93	4,686.93	4,686.93	4,686.93	4,686.93	4,686.93	4,686.93	4,686.93	4,686.93	4,686.93	4,686.93	4,686.93	4,686.93	4,686.93	
18	18	4,681.76	4,681.76	4,681.76	4,681.76	4,681.76	4,681.76	4,681.76	4,681.76	4,681.76	4,681.76	4,681.76	4,681.76	4,681.76	4,681.76	4,681.76	4,681.76	4,681.76	4,681.76	4,681.76	4,681.76	4,681.76	4,681.76	4,681.76	4,681.76	4,681.76	4,681.76	4,681.76	4,681.76	4,681.76	
19	19	4,673.48	4,673.48	4,673.48	4,673.48	4,673.48	4,673.48	4,673.48	4,673.48	4,673.48	4,673.48	4,673.48	4,673.48	4,673.48	4,673.48	4,673.48	4,673.48	4,673.48	4,673.48	4,673.48	4,673.48	4,673.48	4,673.48	4,673.48	4,673.48	4,673.48	4,673.48	4,673.48	4,673.48	4,673.48	
20	20	4,661.13	4,661.13	4,661.13	4,661.13	4,661.13	4,661.13	4,661.13	4,661.13	4,661.13	4,661.13	4,661.13	4,661.13	4,661.13	4,661.13	4,661.13	4,661.13	4,661.13	4,661.13	4,661.13	4,661.13	4,661.13	4,661.13	4,661.13	4,661.13	4,661.13	4,661.13	4,661.13	4,661.13	4,661.13	
21	21	4,656.33	4,656.33	4,656.33	4,656.33	4,656.33	4,656.33	4,656.33	4,656.33	4,656.33	4,656.33	4,656.33	4,656.33	4,656.33	4,656.33	4,656.33	4,656.33	4,656.33	4,656.33	4,656.33	4,656.33	4,656.33	4,656.33	4,656.33	4,656.33	4,656.33	4,656.33	4,656.33	4,656.33	4,656.33	
22	22	4,650.07	4,650.07	4,650.07	4,650.07	4,650.07	4,650.07	4,650.07	4,650.07	4,650.07	4,650.07	4,																			

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

* CAPACITY BELOW STRIKE POINT.

REFERENCE GAUGE HEIGHT: 15'-7" (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

[Signature]