



BARGE "MPC 973"

INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2
1 STBD	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-3/8	- 00-3/8	00-1/2	- 00-1/2
2 PORT	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-6/8	- 00-6/8	00-7/8	- 00-7/8
2 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-7/8	- 00-7/8
3 PORT	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-3/4	- 00-3/4	00-7/8	- 00-7/8
3 STBD	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2	00-3/4	- 00-3/4	00-7/8	- 00-7/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 283'-00"

October 15, 2013

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MPC 973"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	26.51	0	401.68	0	787.10	0	1,172.11	0	1,557.45	0	1,942.88	0	2,328.31	0	2,713.74	0	3,099.14	0	3,484.51
1/4	32.53	1/4	409.71	1/4	795.13	1/4	1,180.12	1/4	1,565.48	1/4	1,950.91	1/4	2,336.34	1/4	2,721.77	1/4	3,107.17	1/4	3,492.54
1/2	38.55	1/2	417.74	1/2	803.16	1/2	1,188.14	1/2	1,573.51	1/2	1,958.94	1/2	2,344.37	1/2	2,729.80	1/2	3,115.20	1/2	3,500.57
3/4	44.57	3/4	425.77	3/4	811.19	3/4	1,196.16	3/4	1,581.54	3/4	1,966.97	3/4	2,352.40	3/4	2,737.83	3/4	3,123.23	3/4	3,508.60
1	50.59	1	433.80	1	819.22	1	1,204.18	1	1,589.57	1	1,975.00	1	2,360.43	1	2,745.86	1	3,131.26	1	3,516.62
1/4	58.10	1/4	441.83	1/4	827.25	1/4	1,212.21	1/4	1,597.60	1/4	1,983.03	1/4	2,368.46	1/4	2,753.89	1/4	3,139.29	1/4	3,524.65
1/2	65.61	1/2	449.86	1/2	835.28	1/2	1,220.23	1/2	1,605.63	1/2	1,991.06	1/2	2,376.49	1/2	2,761.92	1/2	3,147.32	1/2	3,532.68
3/4	73.12	3/4	457.89	3/4	843.31	3/4	1,228.25	3/4	1,613.66	3/4	1,999.09	3/4	2,384.52	3/4	2,769.95	3/4	3,155.35	3/4	3,540.71
2	80.62	2	465.91	2	851.34	2	1,236.27	2	1,621.69	2	2,007.12	2	2,392.55	2	2,777.98	2	3,163.37	2	3,548.74
1/4	88.63	1/4	473.94	1/4	859.37	1/4	1,244.30	1/4	1,629.72	1/4	2,015.15	1/4	2,400.58	1/4	2,786.01	1/4	3,171.40	1/4	3,556.76
1/2	96.63	1/2	481.97	1/2	867.39	1/2	1,252.33	1/2	1,637.75	1/2	2,023.18	1/2	2,408.61	1/2	2,794.04	1/2	3,179.43	1/2	3,564.79
3/4	104.64	3/4	490.00	3/4	875.42	3/4	1,260.35	3/4	1,645.78	3/4	2,031.21	3/4	2,416.64	3/4	2,802.07	3/4	3,187.46	3/4	3,572.82
3	112.64	3	498.03	3	883.45	3	1,268.38	3	1,653.81	3	2,039.24	3	2,424.67	3	2,810.10	3	3,195.49	3	3,580.85
1/4	120.66	1/4	506.06	1/4	891.48	1/4	1,276.41	1/4	1,661.84	1/4	2,047.27	1/4	2,432.70	1/4	2,818.13	1/4	3,203.52	1/4	3,588.87
1/2	128.69	1/2	514.09	1/2	899.51	1/2	1,284.44	1/2	1,669.87	1/2	2,055.30	1/2	2,440.73	1/2	2,826.16	1/2	3,211.55	1/2	3,596.90
3/4	136.71	3/4	522.12	3/4	907.54	3/4	1,292.47	3/4	1,677.90	3/4	2,063.33	3/4	2,448.76	3/4	2,834.19	3/4	3,219.58	3/4	3,604.93
4	144.73	4	530.15	4	915.57	4	1,300.50	4	1,685.93	4	2,071.36	4	2,456.79	4	2,842.22	4	3,227.60	4	3,612.96
1/4	152.76	1/4	538.18	1/4	923.60	1/4	1,308.53	1/4	1,693.96	1/4	2,079.39	1/4	2,464.82	1/4	2,850.25	1/4	3,235.63	1/4	3,620.98
1/2	160.79	1/2	546.21	1/2	931.62	1/2	1,316.56	1/2	1,701.99	1/2	2,087.42	1/2	2,472.85	1/2	2,858.28	1/2	3,243.66	1/2	3,629.01
3/4	168.82	3/4	554.24	3/4	939.64	3/4	1,324.59	3/4	1,710.02	3/4	2,095.45	3/4	2,480.88	3/4	2,866.31	3/4	3,251.69	3/4	3,637.04
5	176.85	5	562.27	5	947.66	5	1,332.62	5	1,718.05	5	2,103.48	5	2,488.91	5	2,874.34	5	3,259.72	5	3,645.07
1/4	184.88	1/4	570.30	1/4	955.68	1/4	1,340.65	1/4	1,726.08	1/4	2,111.51	1/4	2,496.94	1/4	2,882.37	1/4	3,267.75	1/4	3,653.10
1/2	192.91	1/2	578.33	1/2	963.69	1/2	1,348.68	1/2	1,734.11	1/2	2,119.54	1/2	2,504.97	1/2	2,890.39	1/2	3,275.78	1/2	3,661.12
3/4	200.94	3/4	586.36	3/4	971.71	3/4	1,356.71	3/4	1,742.14	3/4	2,127.57	3/4	2,513.00	3/4	2,898.42	3/4	3,283.81	3/4	3,669.15
6	208.97	6	594.39	6	979.73	6	1,364.74	6	1,750.17	6	2,135.60	6	2,521.03	6	2,906.45	6	3,291.83	6	3,677.18
1/4	217.00	1/4	602.42	1/4	987.74	1/4	1,372.77	1/4	1,758.20	1/4	2,143.63	1/4	2,529.06	1/4	2,914.48	1/4	3,299.86	1/4	3,685.21
1/2	225.03	1/2	610.45	1/2	995.76	1/2	1,380.80	1/2	1,766.23	1/2	2,151.66	1/2	2,537.09	1/2	2,922.51	1/2	3,307.89	1/2	3,693.23
3/4	233.06	3/4	618.48	3/4	1,003.77	3/4	1,388.83	3/4	1,774.26	3/4	2,159.69	3/4	2,545.12	3/4	2,930.54	3/4	3,315.92	3/4	3,701.26
7	241.09	7	626.51	7	1,011.79	7	1,396.86	7	1,782.29	7	2,167.72	7	2,553.15	7	2,938.57	7	3,323.95	7	3,709.29
1/4	249.12	1/4	634.54	1/4	1,019.81	1/4	1,404.89	1/4	1,790.32	1/4	2,175.75	1/4	2,561.18	1/4	2,946.60	1/4	3,331.98	1/4	3,717.32
1/2	257.15	1/2	642.57	1/2	1,027.82	1/2	1,412.92	1/2	1,798.35	1/2	2,183.78	1/2	2,569.21	1/2	2,954.63	1/2	3,340.01	1/2	3,725.35
3/4	265.17	3/4	650.60	3/4	1,035.84	3/4	1,420.95	3/4	1,806.38	3/4	2,191.81	3/4	2,577.24	3/4	2,962.65	3/4	3,348.04	3/4	3,733.37
8	273.20	8	658.63	8	1,043.85	8	1,428.97	8	1,814.41	8	2,199.84	8	2,585.27	8	2,970.68	8	3,356.07	8	3,741.40
1/4	281.23	1/4	666.65	1/4	1,051.87	1/4	1,437.00	1/4	1,822.44	1/4	2,207.87	1/4	2,593.30	1/4	2,978.71	1/4	3,364.09	1/4	3,749.43
1/2	289.26	1/2	674.68	1/2	1,059.88	1/2	1,445.03	1/2	1,830.46	1/2	2,215.90	1/2	2,601.33	1/2	2,986.74	1/2	3,372.12	1/2	3,757.46
3/4	297.29	3/4	682.71	3/4	1,067.90	3/4	1,453.06	3/4	1,838.49	3/4	2,223.93	3/4	2,609.36	3/4	2,994.77	3/4	3,380.15	3/4	3,765.48
9	305.32	9	690.74	9	1,075.92	9	1,461.09	9	1,846.52	9	2,231.95	9	2,617.39	9	3,002.80	9	3,388.18	9	3,773.51
1/4	313.35	1/4	698.77	1/4	1,083.93	1/4	1,469.12	1/4	1,854.55	1/4	2,239.98	1/4	2,625.42	1/4	3,010.83	1/4	3,396.21	1/4	3,781.54
1/2	321.38	1/2	706.80	1/2	1,091.95	1/2	1,477.15	1/2	1,862.58	1/2	2,248.01	1/2	2,633.44	1/2	3,018.86	1/2	3,404.24	1/2	3,789.57
3/4	329.41	3/4	714.83	3/4	1,099.96	3/4	1,485.18	3/4	1,870.61	3/4	2,256.04	3/4	2,641.47	3/4	3,026.88	3/4	3,412.27	3/4	3,797.59
10	337.44	10	722.86	10	1,107.98	10	1,493.21	10	1,878.64	10	2,264.07	10	2,649.50	10	3,034.91	10	3,420.30	10	3,805.62
1/4	345.47	1/4	730.89	1/4	1,116.00	1/4	1,501.24	1/4	1,886.67	1/4	2,272.10	1/4	2,657.53	1/4	3,042.94	1/4	3,428.32	1/4	3,813.65
1/2	353.50	1/2	738.92	1/2	1,124.01	1/2	1,509.27	1/2	1,894.70	1/2	2,280.13	1/2	2,665.56	1/2	3,050.97	1/2	3,436.35	1/2	3,821.68
3/4	361.53	3/4	746.95	3/4	1,132.03	3/4	1,517.30	3/4	1,902.73	3/4	2,288.16	3/4	2,673.59	3/4	3,059.00	3/4	3,444.38	3/4	3,829.71
11	369.56	11	754.98	11	1,140.04	11	1,525.33	11	1,910.76	11	2,296.19	11	2,681.62	11	3,067.03	11	3,452.40	11	3,837.73
1/4	377.59	1/4	763.01	1/4	1,148.06	1/4	1,533.36	1/4	1,918.79	1/4	2,304.22	1/4	2,689.65	1/4	3,075.06	1/4	3,460.43	1/4	3,845.76
1/2	385.62	1/2	771.04	1/2	1,156.07	1/2	1,541.39	1/2	1,926.82	1/2	2,312.25	1/2	2,697.68	1/2	3,083.09	1/2	3,468.46	1/2	3,853.79
3/4	393.65	3/4	779.07	3/4	1,164.09	3/4	1,549.42	3/4	1,934.85	3/4	2,320.28	3/4	2,705.71	3/4	3,091.11	3/4	3,476.49	3/4	3,861.82

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" MMC CLOSED GAUGING VALVE.

GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "MPC 973"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	3,869.84	0	4,255.17	0	4,640.50	0	5,024.93	0	5,406.66	0		0		0		0		0	
1/4	3,877.87	1/4	4,263.20	1/4	4,648.53	1/4	5,032.93	1/4	5,413.47	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,885.90	1/2	4,271.23	1/2	4,656.56	1/2	5,040.94	1/2	5,420.28	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,893.93	3/4	4,279.26	3/4	4,664.59	3/4	5,048.94	3/4	5,427.08	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,901.95	1	4,287.28	1	4,672.61	1	5,056.94	1	5,433.89	1	1	1	1	1	1	1	1	1	1
1/4	3,909.98	1/4	4,295.31	1/4	4,680.64	1/4	5,064.95	1/4	5,439.55	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,918.01	1/2	4,303.34	1/2	4,688.67	1/2	5,072.95	1/2	5,445.21	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,926.04	3/4	4,311.37	3/4	4,696.70	3/4	5,080.96	3/4	5,450.87	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,934.07	2	4,319.39	2	4,704.72	2	5,088.96	2	5,456.53	2	2	2	2	2	2	2	2	2	2
1/4	3,942.09	1/4	4,327.42	1/4	4,712.74	1/4	5,096.96	1/4	5,461.04	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,950.12	1/2	4,335.45	1/2	4,720.75	1/2	5,104.97	1/2	5,465.56	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,958.15	3/4	4,343.48	3/4	4,728.77	3/4	5,112.97	3/4	5,470.07	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,966.18	3	4,351.51	3	4,736.78	3	5,120.98	3		3	3	3	3	3	3	3	3	3	3
1/4	3,974.20	1/4	4,359.53	1/4	4,744.78	1/4	5,128.98	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,982.23	1/2	4,367.56	1/2	4,752.79	1/2	5,136.99	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,990.26	3/4	4,375.59	3/4	4,760.79	3/4	5,144.99	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,998.29	4	4,383.62	4	4,768.80	4	5,152.99	4		4	4	4	4	4	4	4	4	4	4
1/4	4,006.31	1/4	4,391.64	1/4	4,776.80	1/4	5,161.00	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	4,014.34	1/2	4,399.67	1/2	4,784.81	1/2	5,169.00	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	4,022.37	3/4	4,407.70	3/4	4,792.81	3/4	5,177.01	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	4,030.40	5	4,415.73	5	4,800.81	5	5,185.01	5		5	5	5	5	5	5	5	5	5	5
1/4	4,038.43	1/4	4,423.75	1/4	4,808.82	1/4	5,193.01	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	4,046.45	1/2	4,431.78	1/2	4,816.82	1/2	5,201.02	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	4,054.48	3/4	4,439.81	3/4	4,824.83	3/4	5,209.02	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	4,062.51	6	4,447.84	6	4,832.83	6	5,217.03	6		6	6	6	6	6	6	6	6	6	6
1/4	4,070.54	1/4	4,455.87	1/4	4,840.83	1/4	5,225.00	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	4,078.56	1/2	4,463.89	1/2	4,848.84	1/2	5,232.98	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	4,086.59	3/4	4,471.92	3/4	4,856.84	3/4	5,240.96	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	4,094.62	7	4,479.95	7	4,864.85	7	5,248.94	7		7	7	7	7	7	7	7	7	7	7
1/4	4,102.65	1/4	4,487.98	1/4	4,872.85	1/4	5,256.89	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	4,110.67	1/2	4,496.00	1/2	4,880.85	1/2	5,264.85	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	4,118.70	3/4	4,504.03	3/4	4,888.86	3/4	5,272.80	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	4,126.73	8	4,512.06	8	4,896.86	8	5,280.75	8		8	8	8	8	8	8	8	8	8	8
1/4	4,134.76	1/4	4,520.09	1/4	4,904.87	1/4	5,288.70	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	4,142.79	1/2	4,528.12	1/2	4,912.87	1/2	5,296.65	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	4,150.81	3/4	4,536.14	3/4	4,920.87	3/4	5,304.61	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	4,158.84	9	4,544.17	9	4,928.88	9	5,312.56	9		9	9	9	9	9	9	9	9	9	9
1/4	4,166.87	1/4	4,552.20	1/4	4,936.88	1/4	5,320.51	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	4,174.90	1/2	4,560.23	1/2	4,944.89	1/2	5,328.46	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	4,182.92	3/4	4,568.25	3/4	4,952.89	3/4	5,336.40	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	4,190.95	10	4,576.28	10	4,960.90	10	5,344.35	10		10	10	10	10	10	10	10	10	10	10
1/4	4,198.98	1/4	4,584.31	1/4	4,968.90	1/4	5,352.28	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	4,207.01	1/2	4,592.34	1/2	4,976.90	1/2	5,360.21	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	4,215.03	3/4	4,600.36	3/4	4,984.91	3/4	5,368.14	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	4,223.06	11	4,608.39	11	4,992.91	11	5,376.07	11		11	11	11	11	11	11	11	11	11	11
1/4	4,231.09	1/4	4,616.42	1/4	5,000.92	1/4	5,383.72	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	4,239.12	1/2	4,624.45	1/2	5,008.92	1/2	5,391.37	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	4,247.15	3/4	4,632.48	3/4	5,016.92	3/4	5,399.02	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

STRAPPED: 10/14/2013 CL - SW
CALCULATED: 10/15/2013 CL
PRINTED: 10/15/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2013

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "MPC 973"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	26.51	0	401.68	0	787.10	0	1,170.84	0	1,555.86	0	1,941.27	0	2,326.68	0	2,712.09	0	3,097.47	0	3,482.82
1/4	32.53	1/4	409.71	1/4	795.13	1/4	1,178.82	1/4	1,563.89	1/4	1,949.30	1/4	2,334.71	1/4	2,720.12	1/4	3,105.50	1/4	3,490.85
1/2	38.55	1/2	417.74	1/2	803.16	1/2	1,186.81	1/2	1,571.92	1/2	1,957.33	1/2	2,342.74	1/2	2,728.15	1/2	3,113.53	1/2	3,498.88
3/4	44.57	3/4	425.77	3/4	811.19	3/4	1,194.80	3/4	1,579.95	3/4	1,965.36	3/4	2,350.77	3/4	2,736.18	3/4	3,121.55	3/4	3,506.90
1	50.59	1	433.80	1	819.22	1	1,202.79	1	1,587.97	1	1,973.39	1	2,358.80	1	2,744.21	1	3,129.58	1	3,514.93
1/4	58.10	1/4	441.83	1/4	827.25	1/4	1,210.78	1/4	1,596.00	1/4	1,981.42	1/4	2,366.83	1/4	2,752.24	1/4	3,137.61	1/4	3,522.96
1/2	65.61	1/2	449.86	1/2	835.28	1/2	1,218.77	1/2	1,604.03	1/2	1,989.44	1/2	2,374.86	1/2	2,760.27	1/2	3,145.64	1/2	3,530.99
3/4	73.12	3/4	457.89	3/4	843.31	3/4	1,226.76	3/4	1,612.06	3/4	1,997.47	3/4	2,382.89	3/4	2,768.30	3/4	3,153.67	3/4	3,539.01
2	80.62	2	465.92	2	851.34	2	1,234.76	2	1,620.09	2	2,005.50	2	2,390.91	2	2,776.33	2	3,161.70	2	3,547.04
1/4	88.63	1/4	473.95	1/4	859.35	1/4	1,242.77	1/4	1,628.12	1/4	2,013.53	1/4	2,398.94	1/4	2,784.36	1/4	3,169.72	1/4	3,555.07
1/2	96.63	1/2	481.97	1/2	867.35	1/2	1,250.78	1/2	1,636.15	1/2	2,021.56	1/2	2,406.97	1/2	2,792.38	1/2	3,177.75	1/2	3,563.10
3/4	104.64	3/4	490.00	3/4	875.36	3/4	1,258.79	3/4	1,644.18	3/4	2,029.59	3/4	2,415.00	3/4	2,800.41	3/4	3,185.78	3/4	3,571.12
3	112.64	3	498.03	3	883.37	3	1,266.80	3	1,652.21	3	2,037.62	3	2,423.03	3	2,808.44	3	3,193.81	3	3,579.15
1/4	120.66	1/4	506.06	1/4	891.36	1/4	1,274.83	1/4	1,660.24	1/4	2,045.65	1/4	2,431.06	1/4	2,816.47	1/4	3,201.84	1/4	3,587.18
1/2	128.69	1/2	514.09	1/2	899.35	1/2	1,282.86	1/2	1,668.27	1/2	2,053.68	1/2	2,439.09	1/2	2,824.50	1/2	3,209.87	1/2	3,595.20
3/4	136.71	3/4	522.12	3/4	907.34	3/4	1,290.89	3/4	1,676.30	3/4	2,061.71	3/4	2,447.12	3/4	2,832.53	3/4	3,217.89	3/4	3,603.23
4	144.73	4	530.15	4	915.33	4	1,298.92	4	1,684.33	4	2,069.74	4	2,455.15	4	2,840.56	4	3,225.92	4	3,611.26
1/4	152.76	1/4	538.18	1/4	923.32	1/4	1,306.95	1/4	1,692.36	1/4	2,077.77	1/4	2,463.18	1/4	2,848.59	1/4	3,233.95	1/4	3,619.29
1/2	160.79	1/2	546.21	1/2	931.30	1/2	1,314.98	1/2	1,700.39	1/2	2,085.80	1/2	2,471.21	1/2	2,856.62	1/2	3,241.98	1/2	3,627.31
3/4	168.82	3/4	554.24	3/4	939.29	3/4	1,323.00	3/4	1,708.42	3/4	2,093.83	3/4	2,479.24	3/4	2,864.65	3/4	3,250.01	3/4	3,635.34
5	176.85	5	562.27	5	947.27	5	1,331.03	5	1,716.45	5	2,101.86	5	2,487.27	5	2,872.68	5	3,258.04	5	3,643.37
1/4	184.88	1/4	570.30	1/4	955.26	1/4	1,339.06	1/4	1,724.47	1/4	2,109.89	1/4	2,495.30	1/4	2,880.71	1/4	3,266.06	1/4	3,651.39
1/2	192.91	1/2	578.33	1/2	963.24	1/2	1,347.09	1/2	1,732.50	1/2	2,117.92	1/2	2,503.33	1/2	2,888.73	1/2	3,274.09	1/2	3,659.42
3/4	200.94	3/4	586.36	3/4	971.22	3/4	1,355.12	3/4	1,740.53	3/4	2,125.94	3/4	2,511.36	3/4	2,896.76	3/4	3,282.12	3/4	3,667.45
6	208.97	6	594.39	6	979.20	6	1,363.15	6	1,748.56	6	2,133.97	6	2,519.39	6	2,904.79	6	3,290.15	6	3,675.48
1/4	217.00	1/4	602.42	1/4	987.19	1/4	1,371.18	1/4	1,756.59	1/4	2,142.00	1/4	2,527.41	1/4	2,912.82	1/4	3,298.18	1/4	3,683.50
1/2	225.03	1/2	610.45	1/2	995.17	1/2	1,379.21	1/2	1,764.62	1/2	2,150.03	1/2	2,535.44	1/2	2,920.85	1/2	3,306.21	1/2	3,691.53
3/4	233.06	3/4	618.48	3/4	1,003.15	3/4	1,387.24	3/4	1,772.65	3/4	2,158.06	3/4	2,543.47	3/4	2,928.88	3/4	3,314.23	3/4	3,699.56
7	241.09	7	626.51	7	1,011.14	7	1,395.27	7	1,780.68	7	2,166.09	7	2,551.50	7	2,936.90	7	3,322.26	7	3,707.58
1/4	249.12	1/4	634.54	1/4	1,019.12	1/4	1,403.30	1/4	1,788.71	1/4	2,174.12	1/4	2,559.53	1/4	2,944.93	1/4	3,330.29	1/4	3,715.61
1/2	257.15	1/2	642.57	1/2	1,027.11	1/2	1,411.33	1/2	1,796.74	1/2	2,182.15	1/2	2,567.56	1/2	2,952.96	1/2	3,338.32	1/2	3,723.64
3/4	265.18	3/4	650.60	3/4	1,035.09	3/4	1,419.36	3/4	1,804.77	3/4	2,190.18	3/4	2,575.59	3/4	2,960.99	3/4	3,346.35	3/4	3,731.67
8	273.21	8	658.63	8	1,043.08	8	1,427.39	8	1,812.80	8	2,198.21	8	2,583.62	8	2,969.02	8	3,354.37	8	3,739.69
1/4	281.23	1/4	666.66	1/4	1,051.06	1/4	1,435.42	1/4	1,820.83	1/4	2,206.24	1/4	2,591.65	1/4	2,977.04	1/4	3,362.40	1/4	3,747.72
1/2	289.26	1/2	674.69	1/2	1,059.05	1/2	1,443.45	1/2	1,828.86	1/2	2,214.27	1/2	2,599.68	1/2	2,985.07	1/2	3,370.43	1/2	3,755.75
3/4	297.29	3/4	682.71	3/4	1,067.03	3/4	1,451.48	3/4	1,836.89	3/4	2,222.30	3/4	2,607.71	3/4	2,993.10	3/4	3,378.46	3/4	3,763.78
9	305.32	9	690.74	9	1,075.02	9	1,459.50	9	1,844.92	9	2,230.33	9	2,615.74	9	3,001.13	9	3,386.49	9	3,771.80
1/4	313.35	1/4	698.77	1/4	1,083.00	1/4	1,467.53	1/4	1,852.95	1/4	2,238.36	1/4	2,623.77	1/4	3,009.16	1/4	3,394.52	1/4	3,779.83
1/2	321.38	1/2	706.80	1/2	1,090.99	1/2	1,475.56	1/2	1,860.97	1/2	2,246.39	1/2	2,631.80	1/2	3,017.19	1/2	3,402.54	1/2	3,787.86
3/4	329.41	3/4	714.83	3/4	1,098.97	3/4	1,483.59	3/4	1,869.00	3/4	2,254.42	3/4	2,639.83	3/4	3,025.21	3/4	3,410.57	3/4	3,795.88
10	337.44	10	722.86	10	1,106.96	10	1,491.62	10	1,877.03	10	2,262.44	10	2,647.86	10	3,033.24	10	3,418.60	10	3,803.91
1/4	345.47	1/4	730.89	1/4	1,114.94	1/4	1,499.65	1/4	1,885.06	1/4	2,270.47	1/4	2,655.89	1/4	3,041.27	1/4	3,426.63	1/4	3,811.94
1/2	353.50	1/2	738.92	1/2	1,122.93	1/2	1,507.68	1/2	1,893.09	1/2	2,278.50	1/2	2,663.91	1/2	3,049.30	1/2	3,434.66	1/2	3,819.97
3/4	361.53	3/4	746.95	3/4	1,130.91	3/4	1,515.71	3/4	1,901.12	3/4	2,286.53	3/4	2,671.94	3/4	3,057.33	3/4	3,442.69	3/4	3,827.99
11	369.56	11	754.98	11	1,138.90	11	1,523.74	11	1,909.15	11	2,294.56	11	2,679.97	11	3,065.36	11	3,450.71	11	3,836.02
1/4	377.59	1/4	763.01	1/4	1,146.88	1/4	1,531.77	1/4	1,917.18	1/4	2,302.59	1/4	2,688.00	1/4	3,073.38	1/4	3,458.74	1/4	3,844.05
1/2	385.62	1/2	771.04	1/2	1,154.87	1/2	1,539.80	1/2	1,925.21	1/2	2,310.62	1/2	2,696.03	1/2	3,081.41	1/2	3,466.77	1/2	3,852.07
3/4	393.65	3/4	779.07	3/4	1,162.85	3/4	1,547.83	3/4	1,933.24	3/4	2,318.65	3/4	2,704.06	3/4	3,089.44	3/4	3,474.80	3/4	3,860.10

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" MMC CLOSED GAUGING VALVE.

GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MPC 973"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	3,868.13	0	4,253.43	0	4,638.74	0	5,023.16	0	5,404.89	0		0		0		0		0	
1/4	3,876.16	1/4	4,261.46	1/4	4,646.77	1/4	5,031.16	1/4	5,411.69	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,884.18	1/2	4,269.49	1/2	4,654.79	1/2	5,039.17	1/2	5,418.50	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,892.21	3/4	4,277.52	3/4	4,662.82	3/4	5,047.17	3/4	5,425.30	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3,900.24	1	4,285.54	1	4,670.85	1	5,055.18	1	5,432.11	1	1	1	1	1	1	1	1	1	1
1/4	3,908.26	1/4	4,293.57	1/4	4,678.88	1/4	5,063.18	1/4	5,437.77	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,916.29	1/2	4,301.60	1/2	4,686.90	1/2	5,071.18	1/2	5,443.43	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,924.32	3/4	4,309.62	3/4	4,694.93	3/4	5,079.19	3/4	5,449.09	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	3,932.35	2	4,317.65	2	4,702.96	2	5,087.19	2	5,454.75	2	2	2	2	2	2	2	2	2	2
1/4	3,940.37	1/4	4,325.68	1/4	4,710.98	1/4	5,095.19	1/4	5,459.26	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,948.40	1/2	4,333.71	1/2	4,718.99	1/2	5,103.20	1/2	5,463.78	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,956.43	3/4	4,341.73	3/4	4,727.01	3/4	5,111.20	3/4	5,468.29	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3,964.46	3	4,349.76	3	4,735.03	3	5,119.21	3		3	3	3	3	3	3	3	3	3	3
1/4	3,972.48	1/4	4,357.79	1/4	4,743.03	1/4	5,127.21	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	3,980.51	1/2	4,365.82	1/2	4,751.03	1/2	5,135.21	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3,988.54	3/4	4,373.84	3/4	4,759.04	3/4	5,143.22	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	3,996.56	4	4,381.87	4	4,767.04	4	5,151.22	4		4	4	4	4	4	4	4	4	4	4
1/4	4,004.59	1/4	4,389.90	1/4	4,775.05	1/4	5,159.22	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	4,012.62	1/2	4,397.92	1/2	4,783.05	1/2	5,167.23	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	4,020.65	3/4	4,405.95	3/4	4,791.05	3/4	5,175.23	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	4,028.67	5	4,413.98	5	4,799.06	5	5,183.23	5		5	5	5	5	5	5	5	5	5	5
1/4	4,036.70	1/4	4,422.01	1/4	4,807.06	1/4	5,191.24	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	4,044.73	1/2	4,430.03	1/2	4,815.06	1/2	5,199.24	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	4,052.75	3/4	4,438.06	3/4	4,823.07	3/4	5,207.25	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	4,060.78	6	4,446.09	6	4,831.07	6	5,215.25	6		6	6	6	6	6	6	6	6	6	6
1/4	4,068.81	1/4	4,454.11	1/4	4,839.08	1/4	5,223.23	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	4,076.84	1/2	4,462.14	1/2	4,847.08	1/2	5,231.21	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	4,084.86	3/4	4,470.17	3/4	4,855.08	3/4	5,239.18	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	4,092.89	7	4,478.20	7	4,863.09	7	5,247.16	7		7	7	7	7	7	7	7	7	7	7
1/4	4,100.92	1/4	4,486.22	1/4	4,871.09	1/4	5,255.11	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	4,108.94	1/2	4,494.25	1/2	4,879.09	1/2	5,263.07	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	4,116.97	3/4	4,502.28	3/4	4,887.10	3/4	5,271.02	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	4,125.00	8	4,510.31	8	4,895.10	8	5,278.97	8		8	8	8	8	8	8	8	8	8	8
1/4	4,133.03	1/4	4,518.33	1/4	4,903.11	1/4	5,286.92	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	4,141.05	1/2	4,526.36	1/2	4,911.11	1/2	5,294.88	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	4,149.08	3/4	4,534.39	3/4	4,919.11	3/4	5,302.83	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	4,157.11	9	4,542.41	9	4,927.12	9	5,310.78	9		9	9	9	9	9	9	9	9	9	9
1/4	4,165.14	1/4	4,550.44	1/4	4,935.12	1/4	5,318.73	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	4,173.16	1/2	4,558.47	1/2	4,943.12	1/2	5,326.68	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	4,181.19	3/4	4,566.50	3/4	4,951.13	3/4	5,334.63	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	4,189.22	10	4,574.52	10	4,959.13	10	5,342.58	10		10	10	10	10	10	10	10	10	10	10
1/4	4,197.24	1/4	4,582.55	1/4	4,967.13	1/4	5,350.51	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	4,205.27	1/2	4,590.58	1/2	4,975.14	1/2	5,358.44	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	4,213.30	3/4	4,598.60	3/4	4,983.14	3/4	5,366.37	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	4,221.33	11	4,606.63	11	4,991.15	11	5,374.30	11		11	11	11	11	11	11	11	11	11	11
1/4	4,229.35	1/4	4,614.66	1/4	4,999.15	1/4	5,381.94	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	4,237.38	1/2	4,622.69	1/2	5,007.15	1/2	5,389.59	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	4,245.41	3/4	4,630.71	3/4	5,015.16	3/4	5,397.24	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

STRAPPED: 10/14/2013 CL - SW
CALCULATED: 10/15/2013 CL
PRINTED: 10/15/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2013

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "MPC 973"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	27.12	0	411.05	0	805.47	0	1,199.48	0	1,593.83	0	1,988.26	0	2,382.69	0	2,777.12	0	3,171.52	0	3,565.89
1/4	33.28	1/4	419.27	1/4	813.69	1/4	1,207.69	1/4	1,602.04	1/4	1,996.47	1/4	2,390.90	1/4	2,785.33	1/4	3,179.74	1/4	3,574.11
1/2	39.44	1/2	427.48	1/2	821.90	1/2	1,215.89	1/2	1,610.26	1/2	2,004.69	1/2	2,399.12	1/2	2,793.55	1/2	3,187.95	1/2	3,582.32
3/4	45.60	3/4	435.70	3/4	830.12	3/4	1,224.10	3/4	1,618.48	3/4	2,012.91	3/4	2,407.34	3/4	2,801.77	3/4	3,196.17	3/4	3,590.54
1	51.77	1	443.92	1	838.34	1	1,232.31	1	1,626.69	1	2,021.13	1	2,415.56	1	2,809.99	1	3,204.38	1	3,598.75
1/4	59.45	1/4	452.13	1/4	846.56	1/4	1,240.52	1/4	1,634.91	1/4	2,029.34	1/4	2,423.77	1/4	2,818.20	1/4	3,212.60	1/4	3,606.97
1/2	67.13	1/2	460.35	1/2	854.77	1/2	1,248.73	1/2	1,643.13	1/2	2,037.56	1/2	2,431.99	1/2	2,826.42	1/2	3,220.82	1/2	3,615.18
3/4	74.81	3/4	468.57	3/4	862.99	3/4	1,256.94	3/4	1,651.35	3/4	2,045.78	3/4	2,440.21	3/4	2,834.64	3/4	3,229.03	3/4	3,623.40
2	82.50	2	476.79	2	871.21	2	1,265.15	2	1,659.56	2	2,053.99	2	2,448.42	2	2,842.86	2	3,237.25	2	3,631.61
1/4	90.69	1/4	485.00	1/4	879.42	1/4	1,273.36	1/4	1,667.78	1/4	2,062.21	1/4	2,456.64	1/4	2,851.07	1/4	3,245.46	1/4	3,639.83
1/2	98.88	1/2	493.22	1/2	887.64	1/2	1,281.58	1/2	1,676.00	1/2	2,070.43	1/2	2,464.86	1/2	2,859.29	1/2	3,253.68	1/2	3,648.04
3/4	107.07	3/4	501.44	3/4	895.86	3/4	1,289.79	3/4	1,684.22	3/4	2,078.65	3/4	2,473.08	3/4	2,867.51	3/4	3,261.90	3/4	3,656.26
3	115.26	3	509.65	3	904.08	3	1,298.00	3	1,692.43	3	2,086.86	3	2,481.29	3	2,875.72	3	3,270.11	3	3,664.48
1/4	123.47	1/4	517.87	1/4	912.29	1/4	1,306.22	1/4	1,700.65	1/4	2,095.08	1/4	2,489.51	1/4	2,883.94	1/4	3,278.33	1/4	3,672.69
1/2	131.68	1/2	526.09	1/2	920.51	1/2	1,314.44	1/2	1,708.87	1/2	2,103.30	1/2	2,497.73	1/2	2,892.16	1/2	3,286.55	1/2	3,680.91
3/4	139.89	3/4	534.31	3/4	928.73	3/4	1,322.65	3/4	1,717.09	3/4	2,111.52	3/4	2,505.95	3/4	2,900.38	3/4	3,294.76	3/4	3,689.12
4	148.10	4	542.52	4	936.94	4	1,330.87	4	1,725.30	4	2,119.73	4	2,514.16	4	2,908.60	4	3,302.98	4	3,697.34
1/4	156.32	1/4	550.74	1/4	945.15	1/4	1,339.09	1/4	1,733.52	1/4	2,127.95	1/4	2,522.38	1/4	2,916.82	1/4	3,311.19	1/4	3,705.55
1/2	164.54	1/2	558.96	1/2	953.37	1/2	1,347.31	1/2	1,741.74	1/2	2,136.17	1/2	2,530.60	1/2	2,925.03	1/2	3,319.41	1/2	3,713.77
3/4	172.75	3/4	567.17	3/4	961.58	3/4	1,355.52	3/4	1,749.95	3/4	2,144.38	3/4	2,538.82	3/4	2,933.25	3/4	3,327.63	3/4	3,721.98
5	180.97	5	575.39	5	969.79	5	1,363.74	5	1,758.17	5	2,152.60	5	2,547.03	5	2,941.47	5	3,335.84	5	3,730.20
1/4	189.19	1/4	583.61	1/4	977.99	1/4	1,371.96	1/4	1,766.39	1/4	2,160.82	1/4	2,555.25	1/4	2,949.68	1/4	3,344.06	1/4	3,738.41
1/2	197.40	1/2	591.83	1/2	986.19	1/2	1,380.18	1/2	1,774.61	1/2	2,169.04	1/2	2,563.47	1/2	2,957.90	1/2	3,352.28	1/2	3,746.63
3/4	205.62	3/4	600.04	3/4	994.40	3/4	1,388.39	3/4	1,782.82	3/4	2,177.25	3/4	2,571.68	3/4	2,966.11	3/4	3,360.49	3/4	3,754.84
6	213.84	6	608.26	6	1,002.60	6	1,396.61	6	1,791.04	6	2,185.47	6	2,579.90	6	2,974.33	6	3,368.71	6	3,763.06
1/4	222.06	1/4	616.48	1/4	1,010.80	1/4	1,404.83	1/4	1,799.26	1/4	2,193.69	1/4	2,588.12	1/4	2,982.55	1/4	3,376.92	1/4	3,771.27
1/2	230.27	1/2	624.69	1/2	1,019.01	1/2	1,413.05	1/2	1,807.48	1/2	2,201.91	1/2	2,596.34	1/2	2,990.76	1/2	3,385.14	1/2	3,779.49
3/4	238.49	3/4	632.91	3/4	1,027.21	3/4	1,421.26	3/4	1,815.69	3/4	2,210.12	3/4	2,604.55	3/4	2,998.98	3/4	3,393.36	3/4	3,787.70
7	246.71	7	641.13	7	1,035.41	7	1,429.48	7	1,823.91	7	2,218.34	7	2,612.77	7	3,007.20	7	3,401.57	7	3,795.92
1/4	254.92	1/4	649.35	1/4	1,043.62	1/4	1,437.70	1/4	1,832.13	1/4	2,226.56	1/4	2,620.99	1/4	3,015.41	1/4	3,409.79	1/4	3,804.13
1/2	263.14	1/2	657.56	1/2	1,051.82	1/2	1,445.91	1/2	1,840.34	1/2	2,234.77	1/2	2,629.21	1/2	3,023.63	1/2	3,418.01	1/2	3,812.35
3/4	271.36	3/4	665.78	3/4	1,060.02	3/4	1,454.13	3/4	1,848.56	3/4	2,242.99	3/4	2,637.42	3/4	3,031.84	3/4	3,426.22	3/4	3,820.56
8	279.58	8	674.00	8	1,068.23	8	1,462.35	8	1,856.78	8	2,251.21	8	2,645.64	8	3,040.06	8	3,434.44	8	3,828.78
1/4	287.79	1/4	682.21	1/4	1,076.43	1/4	1,470.57	1/4	1,865.00	1/4	2,259.43	1/4	2,653.86	1/4	3,048.28	1/4	3,442.65	1/4	3,836.99
1/2	296.01	1/2	690.43	1/2	1,084.63	1/2	1,478.78	1/2	1,873.21	1/2	2,267.64	1/2	2,662.07	1/2	3,056.49	1/2	3,450.87	1/2	3,845.21
3/4	304.23	3/4	698.65	3/4	1,092.84	3/4	1,487.00	3/4	1,881.43	3/4	2,275.86	3/4	2,670.29	3/4	3,064.71	3/4	3,459.09	3/4	3,853.42
9	312.44	9	706.86	9	1,101.04	9	1,495.22	9	1,889.65	9	2,284.08	9	2,678.51	9	3,072.92	9	3,467.30	9	3,861.64
1/4	320.66	1/4	715.08	1/4	1,109.24	1/4	1,503.44	1/4	1,897.87	1/4	2,292.30	1/4	2,686.73	1/4	3,081.14	1/4	3,475.52	1/4	3,869.85
1/2	328.88	1/2	723.30	1/2	1,117.45	1/2	1,511.65	1/2	1,906.08	1/2	2,300.51	1/2	2,694.94	1/2	3,089.36	1/2	3,483.73	1/2	3,878.07
3/4	337.10	3/4	731.52	3/4	1,125.65	3/4	1,519.87	3/4	1,914.30	3/4	2,308.73	3/4	2,703.16	3/4	3,097.57	3/4	3,491.95	3/4	3,886.28
10	345.31	10	739.73	10	1,133.85	10	1,528.09	10	1,922.52	10	2,316.95	10	2,711.38	10	3,105.79	10	3,500.17	10	3,894.50
1/4	353.53	1/4	747.95	1/4	1,142.06	1/4	1,536.30	1/4	1,930.73	1/4	2,325.17	1/4	2,719.60	1/4	3,114.01	1/4	3,508.38	1/4	3,902.71
1/2	361.75	1/2	756.17	1/2	1,150.26	1/2	1,544.52	1/2	1,938.95	1/2	2,333.38	1/2	2,727.81	1/2	3,122.22	1/2	3,516.60	1/2	3,910.93
3/4	369.96	3/4	764.38	3/4	1,158.46	3/4	1,552.74	3/4	1,947.17	3/4	2,341.60	3/4	2,736.03	3/4	3,130.44	3/4	3,524.82	3/4	3,919.14
11	378.18	11	772.60	11	1,166.67	11	1,560.96	11	1,955.39	11	2,349.82	11	2,744.25	11	3,138.65	11	3,533.03	11	3,927.36
1/4	386.40	1/4	780.82	1/4	1,174.87	1/4	1,569.17	1/4	1,963.60	1/4	2,358.03	1/4	2,752.46	1/4	3,146.87	1/4	3,541.25	1/4	3,935.57
1/2	394.62	1/2	789.04	1/2	1,183.07	1/2	1,577.39	1/2	1,971.82	1/2	2,366.25	1/2	2,760.68	1/2	3,155.09	1/2	3,549.46	1/2	3,943.79
3/4	402.83	3/4	797.25	3/4	1,191.28	3/4	1,585.61	3/4	1,980.04	3/4	2,374.47	3/4	2,768.90	3/4	3,163.30	3/4	3,557.68	3/4	3,952.00

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" MMC CLOSED GAUGING VALVE.

GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MPC 973"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	3,960.22	0	4,354.54	0	4,748.87	0	5,142.31	0	5,533.02	0		0		0		0		0	
1/4	3,968.43	1/4	4,362.76	1/4	4,757.08	1/4	5,150.50	1/4	5,539.99	1/4		1/4		1/4		1/4		1/4	
1/2	3,976.65	1/2	4,370.97	1/2	4,765.30	1/2	5,158.70	1/2	5,546.96	1/2		1/2		1/2		1/2		1/2	
3/4	3,984.86	3/4	4,379.19	3/4	4,773.51	3/4	5,166.89	3/4	5,553.93	3/4		3/4		3/4		3/4		3/4	
1	3,993.08	1	4,387.40	1	4,781.73	1	5,175.08	1	5,560.89	1		1		1		1		1	
1/4	4,001.29	1/4	4,395.62	1/4	4,789.94	1/4	5,183.27	1/4	5,566.69	1/4		1/4		1/4		1/4		1/4	
1/2	4,009.51	1/2	4,403.83	1/2	4,798.16	1/2	5,191.46	1/2	5,572.48	1/2		1/2		1/2		1/2		1/2	
3/4	4,017.72	3/4	4,412.05	3/4	4,806.37	3/4	5,199.65	3/4	5,578.27	3/4		3/4		3/4		3/4		3/4	
2	4,025.94	2	4,420.26	2	4,814.59	2	5,207.84	2	5,584.07	2		2		2		2		2	
1/4	4,034.15	1/4	4,428.48	1/4	4,822.80	1/4	5,216.04	1/4	5,588.69	1/4		1/4		1/4		1/4		1/4	
1/2	4,042.37	1/2	4,436.69	1/2	4,831.00	1/2	5,224.23	1/2	5,593.31	1/2		1/2		1/2		1/2		1/2	
3/4	4,050.58	3/4	4,444.91	3/4	4,839.21	3/4	5,232.42	3/4	5,597.93	3/4		3/4		3/4		3/4		3/4	
3	4,058.80	3	4,453.12	3	4,847.41	3	5,240.61	3		3		3		3		3		3	
1/4	4,067.02	1/4	4,461.34	1/4	4,855.61	1/4	5,248.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,075.23	1/2	4,469.55	1/2	4,863.80	1/2	5,256.99	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,083.45	3/4	4,477.77	3/4	4,871.99	3/4	5,265.19	3/4		3/4		3/4		3/4		3/4		3/4	
4	4,091.66	4	4,485.99	4	4,880.18	4	5,273.38	4		4		4		4		4		4	
1/4	4,099.88	1/4	4,494.20	1/4	4,888.37	1/4	5,281.57	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,108.09	1/2	4,502.42	1/2	4,896.56	1/2	5,289.76	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,116.31	3/4	4,510.63	3/4	4,904.76	3/4	5,297.95	3/4		3/4		3/4		3/4		3/4		3/4	
5	4,124.52	5	4,518.85	5	4,912.95	5	5,306.14	5		5		5		5		5		5	
1/4	4,132.74	1/4	4,527.06	1/4	4,921.14	1/4	5,314.34	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,140.95	1/2	4,535.28	1/2	4,929.33	1/2	5,322.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,149.17	3/4	4,543.49	3/4	4,937.52	3/4	5,330.72	3/4		3/4		3/4		3/4		3/4		3/4	
6	4,157.38	6	4,551.71	6	4,945.71	6	5,338.91	6		6		6		6		6		6	
1/4	4,165.60	1/4	4,559.92	1/4	4,953.91	1/4	5,347.08	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,173.81	1/2	4,568.14	1/2	4,962.10	1/2	5,355.24	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,182.03	3/4	4,576.35	3/4	4,970.29	3/4	5,363.41	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,190.24	7	4,584.57	7	4,978.48	7	5,371.57	7		7		7		7		7		7	
1/4	4,198.46	1/4	4,592.78	1/4	4,986.67	1/4	5,379.71	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,206.67	1/2	4,601.00	1/2	4,994.86	1/2	5,387.85	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,214.89	3/4	4,609.21	3/4	5,003.05	3/4	5,395.99	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,223.10	8	4,617.43	8	5,011.25	8	5,404.13	8		8		8		8		8		8	
1/4	4,231.32	1/4	4,625.64	1/4	5,019.44	1/4	5,412.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,239.53	1/2	4,633.86	1/2	5,027.63	1/2	5,420.41	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,247.75	3/4	4,642.07	3/4	5,035.82	3/4	5,428.56	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,255.96	9	4,650.29	9	5,044.01	9	5,436.70	9		9		9		9		9		9	
1/4	4,264.18	1/4	4,658.50	1/4	5,052.20	1/4	5,444.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,272.39	1/2	4,666.72	1/2	5,060.40	1/2	5,452.97	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,280.61	3/4	4,674.93	3/4	5,068.59	3/4	5,461.11	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,288.82	10	4,683.15	10	5,076.78	10	5,469.24	10		10		10		10		10		10	
1/4	4,297.04	1/4	4,691.36	1/4	5,084.97	1/4	5,477.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,305.25	1/2	4,699.58	1/2	5,093.16	1/2	5,485.48	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,313.47	3/4	4,707.79	3/4	5,101.35	3/4	5,493.59	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,321.68	11	4,716.01	11	5,109.55	11	5,501.71	11		11		11		11		11		11	
1/4	4,329.90	1/4	4,724.22	1/4	5,117.74	1/4	5,509.54	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,338.11	1/2	4,732.44	1/2	5,125.93	1/2	5,517.37	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,346.33	3/4	4,740.65	3/4	5,134.12	3/4	5,525.20	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 10/14/2013 CL - SW
CALCULATED: 10/15/2013 CL
PRINTED: 10/15/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2013

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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P.O. Box 2092
Pearland, Texas 77588
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BARGE "MPC 973"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	27.11	0	410.96	0	805.29	0	1,186.72	0	1,577.65	0	1,971.99	0	2,366.33	0	2,760.68	0	3,154.99	0	3,549.28
1/4	33.27	1/4	419.17	1/4	813.51	1/4	1,194.59	1/4	1,585.86	1/4	1,980.20	1/4	2,374.55	1/4	2,768.89	1/4	3,163.20	1/4	3,557.49
1/2	39.43	1/2	427.39	1/2	821.72	1/2	1,202.46	1/2	1,594.08	1/2	1,988.42	1/2	2,382.76	1/2	2,777.11	1/2	3,171.42	1/2	3,565.70
3/4	45.59	3/4	435.60	3/4	829.94	3/4	1,210.34	3/4	1,602.29	3/4	1,996.64	3/4	2,390.98	3/4	2,785.32	3/4	3,179.63	3/4	3,573.92
1	51.75	1	443.82	1	838.15	1	1,218.21	1	1,610.51	1	2,004.85	1	2,399.20	1	2,793.54	1	3,187.85	1	3,582.13
1/4	59.44	1/4	452.04	1/4	846.37	1/4	1,226.08	1/4	1,618.72	1/4	2,013.07	1/4	2,407.41	1/4	2,801.75	1/4	3,196.06	1/4	3,590.34
1/2	67.12	1/2	460.25	1/2	854.58	1/2	1,233.96	1/2	1,626.94	1/2	2,021.28	1/2	2,415.63	1/2	2,809.97	1/2	3,204.28	1/2	3,598.55
3/4	74.80	3/4	468.47	3/4	862.80	3/4	1,241.83	3/4	1,635.15	3/4	2,029.50	3/4	2,423.84	3/4	2,818.19	3/4	3,212.49	3/4	3,606.77
2	82.48	2	476.68	2	871.02	2	1,249.71	2	1,643.37	2	2,037.71	2	2,432.06	2	2,826.40	2	3,220.70	2	3,614.98
1/4	90.67	1/4	484.90	1/4	879.08	1/4	1,257.75	1/4	1,651.58	1/4	2,045.93	1/4	2,440.27	1/4	2,834.62	1/4	3,228.92	1/4	3,623.19
1/2	98.86	1/2	493.11	1/2	887.14	1/2	1,265.80	1/2	1,659.80	1/2	2,054.14	1/2	2,448.49	1/2	2,842.83	1/2	3,237.13	1/2	3,631.41
3/4	107.05	3/4	501.33	3/4	895.20	3/4	1,273.84	3/4	1,668.02	3/4	2,062.36	3/4	2,456.70	3/4	2,851.05	3/4	3,245.35	3/4	3,639.62
3	115.24	3	509.54	3	903.26	3	1,281.89	3	1,676.23	3	2,070.58	3	2,464.92	3	2,859.26	3	3,253.56	3	3,647.83
1/4	123.45	1/4	517.76	1/4	911.16	1/4	1,290.10	1/4	1,684.45	1/4	2,078.79	1/4	2,473.13	1/4	2,867.48	1/4	3,261.78	1/4	3,656.05
1/2	131.65	1/2	525.97	1/2	919.06	1/2	1,298.32	1/2	1,692.66	1/2	2,087.01	1/2	2,481.35	1/2	2,875.70	1/2	3,269.99	1/2	3,664.26
3/4	139.86	3/4	534.19	3/4	926.97	3/4	1,306.53	3/4	1,700.88	3/4	2,095.22	3/4	2,489.57	3/4	2,883.91	3/4	3,278.20	3/4	3,672.47
4	148.07	4	542.40	4	934.87	4	1,314.75	4	1,709.09	4	2,103.44	4	2,497.78	4	2,892.13	4	3,286.42	4	3,680.69
1/4	156.29	1/4	550.62	1/4	942.76	1/4	1,322.96	1/4	1,717.31	1/4	2,111.65	1/4	2,506.00	1/4	2,900.34	1/4	3,294.63	1/4	3,688.90
1/2	164.50	1/2	558.83	1/2	950.65	1/2	1,331.18	1/2	1,725.52	1/2	2,119.87	1/2	2,514.21	1/2	2,908.56	1/2	3,302.85	1/2	3,697.11
3/4	172.72	3/4	567.05	3/4	958.53	3/4	1,339.40	3/4	1,733.74	3/4	2,128.08	3/4	2,522.43	3/4	2,916.77	3/4	3,311.06	3/4	3,705.33
5	180.93	5	575.26	5	966.42	5	1,347.61	5	1,741.96	5	2,136.30	5	2,530.64	5	2,924.99	5	3,319.28	5	3,713.54
1/4	189.15	1/4	583.48	1/4	974.29	1/4	1,355.83	1/4	1,750.17	1/4	2,144.51	1/4	2,538.86	1/4	2,933.20	1/4	3,327.49	1/4	3,721.75
1/2	197.36	1/2	591.70	1/2	982.15	1/2	1,364.04	1/2	1,758.39	1/2	2,152.73	1/2	2,547.07	1/2	2,941.41	1/2	3,335.71	1/2	3,729.97
3/4	205.58	3/4	599.91	3/4	990.02	3/4	1,372.26	3/4	1,766.60	3/4	2,160.95	3/4	2,555.29	3/4	2,949.63	3/4	3,343.92	3/4	3,738.18
6	213.79	6	608.13	6	997.89	6	1,380.47	6	1,774.82	6	2,169.16	6	2,563.51	6	2,957.84	6	3,352.13	6	3,746.39
1/4	222.01	1/4	616.34	1/4	1,005.76	1/4	1,388.69	1/4	1,783.03	1/4	2,177.38	1/4	2,571.72	1/4	2,966.06	1/4	3,360.35	1/4	3,754.61
1/2	230.22	1/2	624.56	1/2	1,013.63	1/2	1,396.90	1/2	1,791.25	1/2	2,185.59	1/2	2,579.94	1/2	2,974.27	1/2	3,368.56	1/2	3,762.82
3/4	238.44	3/4	632.77	3/4	1,021.49	3/4	1,405.12	3/4	1,799.46	3/4	2,193.81	3/4	2,588.15	3/4	2,982.49	3/4	3,376.78	3/4	3,771.03
7	246.65	7	640.99	7	1,029.36	7	1,413.34	7	1,807.68	7	2,202.02	7	2,596.37	7	2,990.70	7	3,384.99	7	3,779.25
1/4	254.87	1/4	649.20	1/4	1,037.23	1/4	1,421.55	1/4	1,815.89	1/4	2,210.24	1/4	2,604.58	1/4	2,998.92	1/4	3,393.21	1/4	3,787.46
1/2	263.08	1/2	657.42	1/2	1,045.10	1/2	1,429.77	1/2	1,824.11	1/2	2,218.45	1/2	2,612.80	1/2	3,007.13	1/2	3,401.42	1/2	3,795.67
3/4	271.30	3/4	665.63	3/4	1,052.97	3/4	1,437.98	3/4	1,832.33	3/4	2,226.67	3/4	2,621.01	3/4	3,015.34	3/4	3,409.64	3/4	3,803.89
8	279.51	8	673.85	8	1,060.83	8	1,446.20	8	1,840.54	8	2,234.89	8	2,629.23	8	3,023.56	8	3,417.85	8	3,812.10
1/4	287.73	1/4	682.06	1/4	1,068.70	1/4	1,454.41	1/4	1,848.76	1/4	2,243.10	1/4	2,637.44	1/4	3,031.77	1/4	3,426.06	1/4	3,820.31
1/2	295.94	1/2	690.28	1/2	1,076.57	1/2	1,462.63	1/2	1,856.97	1/2	2,251.32	1/2	2,645.66	1/2	3,039.99	1/2	3,434.28	1/2	3,828.53
3/4	304.16	3/4	698.49	3/4	1,084.44	3/4	1,470.84	3/4	1,865.19	3/4	2,259.53	3/4	2,653.88	3/4	3,048.20	3/4	3,442.49	3/4	3,836.74
9	312.38	9	706.71	9	1,092.31	9	1,479.06	9	1,873.40	9	2,267.75	9	2,662.09	9	3,056.42	9	3,450.71	9	3,844.95
1/4	320.59	1/4	714.92	1/4	1,100.17	1/4	1,487.27	1/4	1,881.62	1/4	2,275.96	1/4	2,670.31	1/4	3,064.63	1/4	3,458.92	1/4	3,853.17
1/2	328.81	1/2	723.14	1/2	1,108.04	1/2	1,495.49	1/2	1,889.83	1/2	2,284.18	1/2	2,678.52	1/2	3,072.84	1/2	3,467.14	1/2	3,861.38
3/4	337.02	3/4	731.36	3/4	1,115.91	3/4	1,503.71	3/4	1,898.05	3/4	2,292.39	3/4	2,686.74	3/4	3,081.06	3/4	3,475.35	3/4	3,869.59
10	345.24	10	739.57	10	1,123.78	10	1,511.92	10	1,906.27	10	2,300.61	10	2,694.95	10	3,089.27	10	3,483.56	10	3,877.81
1/4	353.45	1/4	747.79	1/4	1,131.64	1/4	1,520.14	1/4	1,914.48	1/4	2,308.82	1/4	2,703.17	1/4	3,097.49	1/4	3,491.78	1/4	3,886.02
1/2	361.67	1/2	756.00	1/2	1,139.51	1/2	1,528.35	1/2	1,922.70	1/2	2,317.04	1/2	2,711.38	1/2	3,105.70	1/2	3,499.99	1/2	3,894.23
3/4	369.88	3/4	764.22	3/4	1,147.38	3/4	1,536.57	3/4	1,930.91	3/4	2,325.26	3/4	2,719.60	3/4	3,113.92	3/4	3,508.21	3/4	3,902.45
11	378.10	11	772.43	11	1,155.25	11	1,544.78	11	1,939.13	11	2,333.47	11	2,727.82	11	3,122.13	11	3,516.42	11	3,910.66
1/4	386.31	1/4	780.65	1/4	1,163.12	1/4	1,553.00	1/4	1,947.34	1/4	2,341.69	1/4	2,736.03	1/4	3,130.35	1/4	3,524.64	1/4	3,918.87
1/2	394.53	1/2	788.86	1/2	1,170.98	1/2	1,561.21	1/2	1,955.56	1/2	2,349.90	1/2	2,744.25	1/2	3,138.56	1/2	3,532.85	1/2	3,927.09
3/4	402.74	3/4	797.08	3/4	1,178.85	3/4	1,569.43	3/4	1,963.77	3/4	2,358.12	3/4	2,752.46	3/4	3,146.77	3/4	3,541.06	3/4	3,935.30

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" MMC CLOSED GAUGING VALVE.
 GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "MPC 973"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,943.51	0	4,337.75	0	4,731.99	0	5,125.34	0	5,515.97	0		0		0		0		0	
1/4	3,951.73	1/4	4,345.97	1/4	4,740.20	1/4	5,133.53	1/4	5,522.93	1/4		1/4		1/4		1/4		1/4	
1/2	3,959.94	1/2	4,354.18	1/2	4,748.42	1/2	5,141.72	1/2	5,529.90	1/2		1/2		1/2		1/2		1/2	
3/4	3,968.15	3/4	4,362.39	3/4	4,756.63	3/4	5,149.91	3/4	5,536.86	3/4		3/4		3/4		3/4		3/4	
1	3,976.37	1	4,370.61	1	4,764.84	1	5,158.10	1	5,543.83	1		1		1		1		1	
1/4	3,984.58	1/4	4,378.82	1/4	4,773.06	1/4	5,166.29	1/4	5,549.62	1/4		1/4		1/4		1/4		1/4	
1/2	3,992.79	1/2	4,387.03	1/2	4,781.27	1/2	5,174.48	1/2	5,555.42	1/2		1/2		1/2		1/2		1/2	
3/4	4,001.01	3/4	4,395.25	3/4	4,789.48	3/4	5,182.67	3/4	5,561.21	3/4		3/4		3/4		3/4		3/4	
2	4,009.22	2	4,403.46	2	4,797.70	2	5,190.86	2	5,567.00	2		2		2		2		2	
1/4	4,017.43	1/4	4,411.67	1/4	4,805.90	1/4	5,199.05	1/4	5,571.62	1/4		1/4		1/4		1/4		1/4	
1/2	4,025.65	1/2	4,419.88	1/2	4,814.10	1/2	5,207.24	1/2	5,576.24	1/2		1/2		1/2		1/2		1/2	
3/4	4,033.86	3/4	4,428.10	3/4	4,822.31	3/4	5,215.43	3/4	5,580.86	3/4		3/4		3/4		3/4		3/4	
3	4,042.07	3	4,436.31	3	4,830.51	3	5,223.62	3		3		3		3		3		3	
1/4	4,050.29	1/4	4,444.52	1/4	4,838.70	1/4	5,231.81	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,058.50	1/2	4,452.74	1/2	4,846.89	1/2	5,240.00	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,066.71	3/4	4,460.95	3/4	4,855.08	3/4	5,248.19	3/4		3/4		3/4		3/4		3/4		3/4	
4	4,074.93	4	4,469.16	4	4,863.27	4	5,256.38	4		4		4		4		4		4	
1/4	4,083.14	1/4	4,477.38	1/4	4,871.46	1/4	5,264.57	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,091.35	1/2	4,485.59	1/2	4,879.65	1/2	5,272.76	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,099.57	3/4	4,493.80	3/4	4,887.84	3/4	5,280.95	3/4		3/4		3/4		3/4		3/4		3/4	
5	4,107.78	5	4,502.02	5	4,896.03	5	5,289.14	5		5		5		5		5		5	
1/4	4,115.99	1/4	4,510.23	1/4	4,904.22	1/4	5,297.33	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,124.21	1/2	4,518.44	1/2	4,912.41	1/2	5,305.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,132.42	3/4	4,526.66	3/4	4,920.60	3/4	5,313.71	3/4		3/4		3/4		3/4		3/4		3/4	
6	4,140.63	6	4,534.87	6	4,928.79	6	5,321.90	6		6		6		6		6		6	
1/4	4,148.85	1/4	4,543.08	1/4	4,936.98	1/4	5,330.06	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,157.06	1/2	4,551.30	1/2	4,945.17	1/2	5,338.23	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,165.27	3/4	4,559.51	3/4	4,953.36	3/4	5,346.39	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,173.49	7	4,567.72	7	4,961.55	7	5,354.55	7		7		7		7		7		7	
1/4	4,181.70	1/4	4,575.94	1/4	4,969.74	1/4	5,362.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,189.91	1/2	4,584.15	1/2	4,977.93	1/2	5,370.83	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,198.13	3/4	4,592.36	3/4	4,986.12	3/4	5,378.97	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,206.34	8	4,600.58	8	4,994.31	8	5,387.11	8		8		8		8		8		8	
1/4	4,214.55	1/4	4,608.79	1/4	5,002.50	1/4	5,395.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,222.77	1/2	4,617.00	1/2	5,010.69	1/2	5,403.38	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,230.98	3/4	4,625.22	3/4	5,018.88	3/4	5,411.52	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,239.19	9	4,633.43	9	5,027.07	9	5,419.66	9		9		9		9		9		9	
1/4	4,247.41	1/4	4,641.64	1/4	5,035.26	1/4	5,427.80	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,255.62	1/2	4,649.86	1/2	5,043.45	1/2	5,435.93	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,263.83	3/4	4,658.07	3/4	5,051.64	3/4	5,444.07	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,272.05	10	4,666.28	10	5,059.83	10	5,452.20	10		10		10		10		10		10	
1/4	4,280.26	1/4	4,674.50	1/4	5,068.01	1/4	5,460.32	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,288.47	1/2	4,682.71	1/2	5,076.20	1/2	5,468.43	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,296.69	3/4	4,690.92	3/4	5,084.39	3/4	5,476.55	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,304.90	11	4,699.14	11	5,092.58	11	5,484.66	11		11		11		11		11		11	
1/4	4,313.11	1/4	4,707.35	1/4	5,100.77	1/4	5,492.49	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,321.33	1/2	4,715.56	1/2	5,108.96	1/2	5,500.32	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,329.54	3/4	4,723.78	3/4	5,117.15	3/4	5,508.14	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 10/14/2013 CL - SW
CALCULATED: 10/15/2013 CL
PRINTED: 10/15/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2013

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "MPC 973"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-05 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	27.00	0	409.19	0	801.83	0	1,194.05	0	1,586.62	0	1,979.27	0	2,371.92	0	2,764.54	0	3,156.95	0	3,549.25
1/4	33.13	1/4	417.37	1/4	810.01	1/4	1,202.22	1/4	1,594.80	1/4	1,987.45	1/4	2,380.10	1/4	2,772.72	1/4	3,165.13	1/4	3,557.41
1/2	39.27	1/2	425.55	1/2	818.19	1/2	1,210.39	1/2	1,602.98	1/2	1,995.63	1/2	2,388.28	1/2	2,780.90	1/2	3,173.30	1/2	3,565.58
3/4	45.40	3/4	433.73	3/4	826.37	3/4	1,218.56	3/4	1,611.16	3/4	2,003.81	3/4	2,396.46	3/4	2,789.08	3/4	3,181.47	3/4	3,573.74
1	51.53	1	441.91	1	834.55	1	1,226.73	1	1,619.34	1	2,011.99	1	2,404.64	1	2,797.26	1	3,189.65	1	3,581.90
1/4	59.18	1/4	450.09	1/4	842.73	1/4	1,234.91	1/4	1,627.52	1/4	2,020.17	1/4	2,412.82	1/4	2,805.44	1/4	3,197.82	1/4	3,590.06
1/2	66.83	1/2	458.27	1/2	850.91	1/2	1,243.08	1/2	1,635.70	1/2	2,028.35	1/2	2,421.00	1/2	2,813.62	1/2	3,206.00	1/2	3,598.22
3/4	74.48	3/4	466.45	3/4	859.09	3/4	1,251.25	3/4	1,643.88	3/4	2,036.53	3/4	2,429.18	3/4	2,821.80	3/4	3,214.17	3/4	3,606.38
2	82.13	2	474.63	2	867.27	2	1,259.43	2	1,652.06	2	2,044.71	2	2,437.35	2	2,829.98	2	3,222.34	2	3,614.54
1/4	90.28	1/4	482.81	1/4	875.45	1/4	1,267.60	1/4	1,660.24	1/4	2,052.89	1/4	2,445.53	1/4	2,838.16	1/4	3,230.52	1/4	3,622.71
1/2	98.43	1/2	490.99	1/2	883.63	1/2	1,275.78	1/2	1,668.42	1/2	2,061.07	1/2	2,453.71	1/2	2,846.34	1/2	3,238.69	1/2	3,630.87
3/4	106.59	3/4	499.17	3/4	891.81	3/4	1,283.96	3/4	1,676.60	3/4	2,069.25	3/4	2,461.89	3/4	2,854.52	3/4	3,246.86	3/4	3,639.03
3	114.74	3	507.35	3	899.99	3	1,292.13	3	1,684.78	3	2,077.43	3	2,470.07	3	2,862.70	3	3,255.04	3	3,647.19
1/4	122.92	1/4	515.53	1/4	908.17	1/4	1,300.31	1/4	1,692.96	1/4	2,085.61	1/4	2,478.25	1/4	2,870.88	1/4	3,263.21	1/4	3,655.35
1/2	131.09	1/2	523.71	1/2	916.35	1/2	1,308.49	1/2	1,701.14	1/2	2,093.79	1/2	2,486.43	1/2	2,879.05	1/2	3,271.38	1/2	3,663.51
3/4	139.26	3/4	531.89	3/4	924.53	3/4	1,316.67	3/4	1,709.32	3/4	2,101.97	3/4	2,494.61	3/4	2,887.23	3/4	3,279.56	3/4	3,671.68
4	147.44	4	540.07	4	932.71	4	1,324.86	4	1,717.50	4	2,110.15	4	2,502.79	4	2,895.41	4	3,287.73	4	3,679.84
1/4	155.62	1/4	548.25	1/4	940.89	1/4	1,333.04	1/4	1,725.68	1/4	2,118.33	1/4	2,510.97	1/4	2,903.58	1/4	3,295.90	1/4	3,688.00
1/2	163.80	1/2	556.43	1/2	949.06	1/2	1,341.22	1/2	1,733.87	1/2	2,126.51	1/2	2,519.15	1/2	2,911.75	1/2	3,304.08	1/2	3,696.16
3/4	171.97	3/4	564.61	3/4	957.23	3/4	1,349.40	3/4	1,742.05	3/4	2,134.69	3/4	2,527.33	3/4	2,919.93	3/4	3,312.25	3/4	3,704.32
5	180.15	5	572.79	5	965.40	5	1,357.58	5	1,750.23	5	2,142.88	5	2,535.51	5	2,928.10	5	3,320.42	5	3,712.49
1/4	188.33	1/4	580.97	1/4	973.57	1/4	1,365.76	1/4	1,758.41	1/4	2,151.06	1/4	2,543.69	1/4	2,936.27	1/4	3,328.60	1/4	3,720.65
1/2	196.51	1/2	589.15	1/2	981.74	1/2	1,373.94	1/2	1,766.59	1/2	2,159.24	1/2	2,551.87	1/2	2,944.45	1/2	3,336.77	1/2	3,728.81
3/4	204.69	3/4	597.33	3/4	989.90	3/4	1,382.12	3/4	1,774.77	3/4	2,167.42	3/4	2,560.05	3/4	2,952.62	3/4	3,344.94	3/4	3,736.97
6	212.87	6	605.51	6	998.07	6	1,390.30	6	1,782.95	6	2,175.60	6	2,568.23	6	2,960.79	6	3,353.12	6	3,745.13
1/4	221.05	1/4	613.69	1/4	1,006.23	1/4	1,398.48	1/4	1,791.13	1/4	2,183.78	1/4	2,576.41	1/4	2,968.97	1/4	3,361.29	1/4	3,752.42
1/2	229.23	1/2	621.87	1/2	1,014.40	1/2	1,406.66	1/2	1,799.31	1/2	2,191.96	1/2	2,584.59	1/2	2,977.14	1/2	3,369.46	1/2	3,759.70
3/4	237.41	3/4	630.05	3/4	1,022.57	3/4	1,414.84	3/4	1,807.49	3/4	2,200.14	3/4	2,592.77	3/4	2,985.31	3/4	3,377.64	3/4	3,766.98
7	245.59	7	638.23	7	1,030.73	7	1,423.02	7	1,815.67	7	2,208.32	7	2,600.95	7	2,993.49	7	3,385.81	7	3,774.26
1/4	253.77	1/4	646.41	1/4	1,038.90	1/4	1,431.20	1/4	1,823.85	1/4	2,216.50	1/4	2,609.13	1/4	3,001.66	1/4	3,393.98	1/4	3,780.66
1/2	261.95	1/2	654.59	1/2	1,047.06	1/2	1,439.38	1/2	1,832.03	1/2	2,224.68	1/2	2,617.31	1/2	3,009.83	1/2	3,402.16	1/2	3,787.06
3/4	270.13	3/4	662.77	3/4	1,055.23	3/4	1,447.56	3/4	1,840.21	3/4	2,232.86	3/4	2,625.49	3/4	3,018.01	3/4	3,410.33	3/4	3,793.46
8	278.31	8	670.95	8	1,063.40	8	1,455.74	8	1,848.39	8	2,241.04	8	2,633.67	8	3,026.18	8	3,418.50	8	3,799.86
1/4	286.49	1/4	679.13	1/4	1,071.56	1/4	1,463.92	1/4	1,856.57	1/4	2,249.22	1/4	2,641.85	1/4	3,034.35	1/4	3,426.68	1/4	3,806.26
1/2	294.67	1/2	687.31	1/2	1,079.73	1/2	1,472.10	1/2	1,864.75	1/2	2,257.40	1/2	2,650.03	1/2	3,042.53	1/2	3,434.85	1/2	3,812.67
3/4	302.85	3/4	695.49	3/4	1,087.90	3/4	1,480.28	3/4	1,872.93	3/4	2,265.58	3/4	2,658.21	3/4	3,050.70	3/4	3,443.02	3/4	3,819.07
9	311.03	9	703.67	9	1,096.06	9	1,488.46	9	1,881.11	9	2,273.76	9	2,666.39	9	3,058.87	9	3,451.20	9	3,825.47
1/4	319.21	1/4	711.85	1/4	1,104.23	1/4	1,496.64	1/4	1,889.29	1/4	2,281.94	1/4	2,674.57	1/4	3,067.05	1/4	3,459.37	1/4	3,831.87
1/2	327.39	1/2	720.03	1/2	1,112.39	1/2	1,504.82	1/2	1,897.47	1/2	2,290.12	1/2	2,682.75	1/2	3,075.22	1/2	3,467.54	1/2	3,838.27
3/4	335.57	3/4	728.21	3/4	1,120.56	3/4	1,513.00	3/4	1,905.65	3/4	2,298.30	3/4	2,690.93	3/4	3,083.39	3/4	3,475.72	3/4	3,844.67
10	343.75	10	736.39	10	1,128.73	10	1,521.18	10	1,913.83	10	2,306.48	10	2,699.11	10	3,091.57	10	3,483.89	10	3,851.07
1/4	351.93	1/4	744.57	1/4	1,136.89	1/4	1,529.36	1/4	1,922.01	1/4	2,314.66	1/4	2,707.29	1/4	3,099.74	1/4	3,492.06	1/4	3,857.47
1/2	360.11	1/2	752.75	1/2	1,145.06	1/2	1,537.54	1/2	1,930.19	1/2	2,322.84	1/2	2,715.46	1/2	3,107.91	1/2	3,500.24	1/2	3,863.87
3/4	368.29	3/4	760.93	3/4	1,153.22	3/4	1,545.72	3/4	1,938.37	3/4	2,331.02	3/4	2,723.64	3/4	3,116.09	3/4	3,508.41	3/4	3,870.27
11	376.47	11	769.11	11	1,161.39	11	1,553.90	11	1,946.55	11	2,339.20	11	2,731.82	11	3,124.26	11	3,516.58	11	3,876.67
1/4	384.65	1/4	777.29	1/4	1,169.56	1/4	1,562.08	1/4	1,954.73	1/4	2,347.38	1/4	2,740.00	1/4	3,132.43	1/4	3,524.75	1/4	3,883.08
1/2	392.83	1/2	785.47	1/2	1,177.72	1/2	1,570.26	1/2	1,962.91	1/2	2,355.56	1/2	2,748.18	1/2	3,140.61	1/2	3,532.92	1/2	3,889.49
3/4	401.01	3/4	793.65	3/4	1,185.89	3/4	1,578.44	3/4	1,971.09	3/4	2,363.74	3/4	2,756.36	3/4	3,148.78	3/4	3,541.09	3/4	3,895.90

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" MMC CLOSED GAUGING VALVE.

GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 43'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MPC 973"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-05 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	3,902.31	0	4,210.35	0	4,513.81	0	4,816.38	0	5,116.54	0		0		0		0		0	
1/4	3,908.73	1/4	4,216.71	1/4	4,520.12	1/4	4,822.68	1/4	5,121.63	1/4		1/4		1/4		1/4		1/4	
1/2	3,915.15	1/2	4,223.08	1/2	4,526.44	1/2	4,828.98	1/2	5,126.72	1/2		1/2		1/2		1/2		1/2	
3/4	3,921.56	3/4	4,229.45	3/4	4,532.76	3/4	4,835.28	3/4	5,131.81	3/4		3/4		3/4		3/4		3/4	
1	3,927.98	1	4,235.82	1	4,539.08	1	4,841.58	1	5,136.90	1		1		1		1		1	
1/4	3,934.40	1/4	4,242.14	1/4	4,545.40	1/4	4,847.88	1/4	5,141.71	1/4		1/4		1/4		1/4		1/4	
1/2	3,940.82	1/2	4,248.45	1/2	4,551.71	1/2	4,854.18	1/2	5,146.51	1/2		1/2		1/2		1/2		1/2	
3/4	3,947.23	3/4	4,254.77	3/4	4,558.03	3/4	4,860.47	3/4	5,151.32	3/4		3/4		3/4		3/4		3/4	
2	3,953.65	2	4,261.09	2	4,564.35	2	4,866.77	2	5,156.12	2		2		2		2		2	
1/4	3,960.07	1/4	4,267.41	1/4	4,570.66	1/4	4,873.07	1/4	5,160.64	1/4		1/4		1/4		1/4		1/4	
1/2	3,966.48	1/2	4,273.73	1/2	4,576.97	1/2	4,879.37	1/2	5,165.16	1/2		1/2		1/2		1/2		1/2	
3/4	3,972.90	3/4	4,280.04	3/4	4,583.28	3/4	4,885.67	3/4	5,169.68	3/4		3/4		3/4		3/4		3/4	
3	3,979.32	3	4,286.36	3	4,589.58	3	4,891.97	3		3		3		3		3		3	
1/4	3,985.74	1/4	4,292.68	1/4	4,595.88	1/4	4,898.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,992.15	1/2	4,299.00	1/2	4,602.18	1/2	4,904.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,998.57	3/4	4,305.32	3/4	4,608.48	3/4	4,910.87	3/4		3/4		3/4		3/4		3/4		3/4	
4	4,004.99	4	4,311.63	4	4,614.78	4	4,917.17	4		4		4		4		4		4	
1/4	4,011.41	1/4	4,317.95	1/4	4,621.08	1/4	4,923.47	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,017.82	1/2	4,324.27	1/2	4,627.38	1/2	4,929.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,024.24	3/4	4,330.59	3/4	4,633.68	3/4	4,936.07	3/4		3/4		3/4		3/4		3/4		3/4	
5	4,030.66	5	4,336.91	5	4,639.98	5	4,942.37	5		5		5		5		5		5	
1/4	4,037.08	1/4	4,343.22	1/4	4,646.28	1/4	4,948.67	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,043.49	1/2	4,349.54	1/2	4,652.58	1/2	4,954.97	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,049.91	3/4	4,355.86	3/4	4,658.88	3/4	4,961.27	3/4		3/4		3/4		3/4		3/4		3/4	
6	4,056.33	6	4,362.18	6	4,665.18	6	4,967.57	6		6		6		6		6		6	
1/4	4,062.75	1/4	4,368.49	1/4	4,671.48	1/4	4,973.85	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,069.16	1/2	4,374.81	1/2	4,677.78	1/2	4,980.13	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,075.58	3/4	4,381.13	3/4	4,684.08	3/4	4,986.41	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,082.00	7	4,387.45	7	4,690.38	7	4,992.69	7		7		7		7		7		7	
1/4	4,088.42	1/4	4,393.77	1/4	4,696.68	1/4	4,998.95	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,094.83	1/2	4,400.08	1/2	4,702.98	1/2	5,005.21	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,101.25	3/4	4,406.40	3/4	4,709.28	3/4	5,011.47	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,107.67	8	4,412.72	8	4,715.58	8	5,017.73	8		8		8		8		8		8	
1/4	4,114.08	1/4	4,419.04	1/4	4,721.88	1/4	5,023.99	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,120.50	1/2	4,425.36	1/2	4,728.18	1/2	5,030.25	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,126.92	3/4	4,431.67	3/4	4,734.48	3/4	5,036.51	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,133.34	9	4,437.99	9	4,740.78	9	5,042.77	9		9		9		9		9		9	
1/4	4,139.75	1/4	4,444.31	1/4	4,747.08	1/4	5,049.02	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,146.17	1/2	4,450.63	1/2	4,753.38	1/2	5,055.28	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,152.59	3/4	4,456.95	3/4	4,759.68	3/4	5,061.53	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,159.01	10	4,463.26	10	4,765.98	10	5,067.79	10		10		10		10		10		10	
1/4	4,165.42	1/4	4,469.58	1/4	4,772.28	1/4	5,074.03	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,171.84	1/2	4,475.90	1/2	4,778.58	1/2	5,080.26	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,178.26	3/4	4,482.22	3/4	4,784.88	3/4	5,086.50	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,184.68	11	4,488.54	11	4,791.18	11	5,092.74	11		11		11		11		11		11	
1/4	4,191.09	1/4	4,494.85	1/4	4,797.48	1/4	5,098.69	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,197.51	1/2	4,501.17	1/2	4,803.78	1/2	5,104.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,203.93	3/4	4,507.49	3/4	4,810.08	3/4	5,110.59	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/14/2013 CL - SW
CALCULATED: 10/15/2013 CL
PRINTED: 10/15/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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<http://www.pmacorp.net>



BARGE "MPC 973"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-06"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	27.00	0	408.83	0	800.99	0	1,180.62	0	1,569.16	0	1,960.67	0	2,352.53	0	2,744.49	0	3,136.24	0	3,527.88
1/4	33.14	1/4	417.00	1/4	809.16	1/4	1,188.46	1/4	1,577.33	1/4	1,968.83	1/4	2,360.70	1/4	2,752.66	1/4	3,144.40	1/4	3,536.02
1/2	39.27	1/2	425.17	1/2	817.33	1/2	1,196.30	1/2	1,585.49	1/2	1,976.99	1/2	2,368.86	1/2	2,760.83	1/2	3,152.56	1/2	3,544.17
3/4	45.41	3/4	433.34	3/4	825.50	3/4	1,204.13	3/4	1,593.65	3/4	1,985.15	3/4	2,377.03	3/4	2,768.99	3/4	3,160.72	3/4	3,552.32
1	51.54	1	441.51	1	833.67	1	1,211.97	1	1,601.81	1	1,993.31	1	2,385.19	1	2,777.16	1	3,168.88	1	3,560.47
1/4	59.19	1/4	449.68	1/4	841.84	1/4	1,219.81	1/4	1,609.97	1/4	2,001.47	1/4	2,393.36	1/4	2,785.32	1/4	3,177.04	1/4	3,568.61
1/2	66.84	1/2	457.85	1/2	850.01	1/2	1,227.65	1/2	1,618.14	1/2	2,009.63	1/2	2,401.53	1/2	2,793.49	1/2	3,185.20	1/2	3,576.76
3/4	74.49	3/4	466.02	3/4	858.18	3/4	1,235.49	3/4	1,626.30	3/4	2,017.79	3/4	2,409.69	3/4	2,801.66	3/4	3,193.36	3/4	3,584.91
2	82.14	2	474.19	2	866.35	2	1,243.33	2	1,634.46	2	2,025.95	2	2,417.86	2	2,809.82	2	3,201.52	2	3,593.06
1/4	90.29	1/4	482.36	1/4	874.37	1/4	1,251.33	1/4	1,642.62	1/4	2,034.11	1/4	2,426.02	1/4	2,817.99	1/4	3,209.68	1/4	3,601.20
1/2	98.44	1/2	490.53	1/2	882.39	1/2	1,259.33	1/2	1,650.78	1/2	2,042.27	1/2	2,434.19	1/2	2,826.15	1/2	3,217.84	1/2	3,609.35
3/4	106.59	3/4	498.70	3/4	890.41	3/4	1,267.33	3/4	1,658.95	3/4	2,050.43	3/4	2,442.36	3/4	2,834.32	3/4	3,226.00	3/4	3,617.50
3	114.74	3	506.87	3	898.43	3	1,275.34	3	1,667.11	3	2,058.59	3	2,450.52	3	2,842.49	3	3,234.16	3	3,625.65
1/4	122.91	1/4	515.04	1/4	906.29	1/4	1,283.50	1/4	1,675.26	1/4	2,066.75	1/4	2,458.69	1/4	2,850.65	1/4	3,242.32	1/4	3,633.80
1/2	131.07	1/2	523.21	1/2	914.16	1/2	1,291.66	1/2	1,683.42	1/2	2,074.91	1/2	2,466.85	1/2	2,858.81	1/2	3,250.48	1/2	3,641.94
3/4	139.23	3/4	531.38	3/4	922.03	3/4	1,299.82	3/4	1,691.58	3/4	2,083.07	3/4	2,475.02	3/4	2,866.97	3/4	3,258.64	3/4	3,650.09
4	147.40	4	539.55	4	929.89	4	1,307.98	4	1,699.74	4	2,091.23	4	2,483.19	4	2,875.13	4	3,266.80	4	3,658.24
1/4	155.57	1/4	547.72	1/4	937.74	1/4	1,316.15	1/4	1,707.89	1/4	2,099.40	1/4	2,491.35	1/4	2,883.29	1/4	3,274.95	1/4	3,666.39
1/2	163.74	1/2	555.89	1/2	945.59	1/2	1,324.31	1/2	1,716.05	1/2	2,107.56	1/2	2,499.52	1/2	2,891.45	1/2	3,283.11	1/2	3,674.54
3/4	171.91	3/4	564.06	3/4	953.44	3/4	1,332.47	3/4	1,724.20	3/4	2,115.72	3/4	2,507.68	3/4	2,899.61	3/4	3,291.27	3/4	3,682.68
5	180.07	5	572.23	5	961.29	5	1,340.63	5	1,732.35	5	2,123.88	5	2,515.85	5	2,907.77	5	3,299.43	5	3,690.83
1/4	188.24	1/4	580.40	1/4	969.12	1/4	1,348.79	1/4	1,740.51	1/4	2,132.05	1/4	2,524.02	1/4	2,915.93	1/4	3,307.59	1/4	3,698.98
1/2	196.41	1/2	588.57	1/2	976.96	1/2	1,356.96	1/2	1,748.66	1/2	2,140.21	1/2	2,532.18	1/2	2,924.09	1/2	3,315.75	1/2	3,707.13
3/4	204.58	3/4	596.74	3/4	984.79	3/4	1,365.12	3/4	1,756.81	3/4	2,148.38	3/4	2,540.35	3/4	2,932.25	3/4	3,323.91	3/4	3,715.28
6	212.75	6	604.91	6	992.62	6	1,373.28	6	1,764.97	6	2,156.54	6	2,548.51	6	2,940.41	6	3,332.07	6	3,723.43
1/4	220.92	1/4	613.08	1/4	1,000.46	1/4	1,381.44	1/4	1,773.12	1/4	2,164.71	1/4	2,556.68	1/4	2,948.57	1/4	3,340.23	1/4	3,730.69
1/2	229.09	1/2	621.25	1/2	1,008.29	1/2	1,389.60	1/2	1,781.27	1/2	2,172.87	1/2	2,564.84	1/2	2,956.73	1/2	3,348.39	1/2	3,737.96
3/4	237.26	3/4	629.42	3/4	1,016.12	3/4	1,397.76	3/4	1,789.43	3/4	2,181.04	3/4	2,573.01	3/4	2,964.89	3/4	3,356.55	3/4	3,745.23
7	245.43	7	637.59	7	1,023.96	7	1,405.93	7	1,797.58	7	2,189.21	7	2,581.18	7	2,973.05	7	3,364.71	7	3,752.50
1/4	253.60	1/4	645.76	1/4	1,031.79	1/4	1,414.09	1/4	1,805.73	1/4	2,197.37	1/4	2,589.34	1/4	2,981.21	1/4	3,372.87	1/4	3,759.89
1/2	261.77	1/2	653.93	1/2	1,039.62	1/2	1,422.25	1/2	1,813.89	1/2	2,205.54	1/2	2,597.51	1/2	2,989.37	1/2	3,381.03	1/2	3,765.28
3/4	269.94	3/4	662.10	3/4	1,047.46	3/4	1,430.41	3/4	1,822.04	3/4	2,213.71	3/4	2,605.67	3/4	2,997.53	3/4	3,389.19	3/4	3,771.68
8	278.11	8	670.27	8	1,055.29	8	1,438.57	8	1,830.20	8	2,221.87	8	2,613.84	8	3,005.69	8	3,397.35	8	3,778.07
1/4	286.28	1/4	678.44	1/4	1,063.12	1/4	1,446.74	1/4	1,838.35	1/4	2,230.04	1/4	2,622.01	1/4	3,013.85	1/4	3,405.51	1/4	3,784.47
1/2	294.45	1/2	686.61	1/2	1,070.96	1/2	1,454.90	1/2	1,846.50	1/2	2,238.21	1/2	2,630.17	1/2	3,022.01	1/2	3,413.67	1/2	3,790.87
3/4	302.62	3/4	694.78	3/4	1,078.79	3/4	1,463.06	3/4	1,854.66	3/4	2,246.37	3/4	2,638.34	3/4	3,030.17	3/4	3,421.83	3/4	3,797.27
9	310.79	9	702.95	9	1,086.62	9	1,471.22	9	1,862.81	9	2,254.54	9	2,646.50	9	3,038.33	9	3,429.99	9	3,803.67
1/4	318.96	1/4	711.12	1/4	1,094.46	1/4	1,479.38	1/4	1,870.96	1/4	2,262.70	1/4	2,654.67	1/4	3,046.49	1/4	3,438.15	1/4	3,810.07
1/2	327.13	1/2	719.29	1/2	1,102.29	1/2	1,487.55	1/2	1,879.12	1/2	2,270.87	1/2	2,662.84	1/2	3,054.65	1/2	3,446.31	1/2	3,816.47
3/4	335.30	3/4	727.46	3/4	1,110.12	3/4	1,495.71	3/4	1,887.27	3/4	2,279.04	3/4	2,671.00	3/4	3,062.81	3/4	3,454.47	3/4	3,822.87
10	343.47	10	735.63	10	1,117.96	10	1,503.87	10	1,895.42	10	2,287.20	10	2,679.17	10	3,070.96	10	3,462.63	10	3,829.27
1/4	351.64	1/4	743.80	1/4	1,125.79	1/4	1,512.03	1/4	1,903.58	1/4	2,295.37	1/4	2,687.33	1/4	3,079.12	1/4	3,470.78	1/4	3,835.67
1/2	359.81	1/2	751.97	1/2	1,133.62	1/2	1,520.19	1/2	1,911.73	1/2	2,303.54	1/2	2,695.50	1/2	3,087.28	1/2	3,478.94	1/2	3,842.07
3/4	367.98	3/4	760.14	3/4	1,141.46	3/4	1,528.35	3/4	1,919.89	3/4	2,311.70	3/4	2,703.66	3/4	3,095.44	3/4	3,487.10	3/4	3,848.47
11	376.15	11	768.31	11	1,149.29	11	1,536.52	11	1,928.04	11	2,319.87	11	2,711.83	11	3,103.60	11	3,495.26	11	3,854.87
1/4	384.32	1/4	776.48	1/4	1,157.12	1/4	1,544.68	1/4	1,936.20	1/4	2,328.03	1/4	2,720.00	1/4	3,111.76	1/4	3,503.42	1/4	3,861.28
1/2	392.49	1/2	784.65	1/2	1,164.96	1/2	1,552.84	1/2	1,944.35	1/2	2,336.20	1/2	2,728.16	1/2	3,119.92	1/2	3,511.57	1/2	3,867.69
3/4	400.66	3/4	792.82	3/4	1,172.79	3/4	1,561.00	3/4	1,952.51	3/4	2,344.37	3/4	2,736.33	3/4	3,128.08	3/4	3,519.72	3/4	3,874.10

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" MMC CLOSED GAUGING VALVE.
 GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 43'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "MPC 973"

**3 STBD
INNAGE TABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GUAGE HEIGHT 15'-06"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	3,880.51	0	4,188.64	0	4,492.18	0	4,794.84	0	5,095.09	0		0		0		0		0	
1/4	3,886.93	1/4	4,195.01	1/4	4,498.50	1/4	4,801.14	1/4	5,100.19	1/4		1/4		1/4		1/4		1/4	
1/2	3,893.35	1/2	4,201.38	1/2	4,504.82	1/2	4,807.44	1/2	5,105.28	1/2		1/2		1/2		1/2		1/2	
3/4	3,899.77	3/4	4,207.75	3/4	4,511.14	3/4	4,813.74	3/4	5,110.37	3/4		3/4		3/4		3/4		3/4	
1	3,906.19	1	4,214.12	1	4,517.46	1	4,820.04	1	5,115.47	1		1		1		1		1	
1/4	3,912.61	1/4	4,220.43	1/4	4,523.78	1/4	4,826.35	1/4	5,120.27	1/4		1/4		1/4		1/4		1/4	
1/2	3,919.03	1/2	4,226.75	1/2	4,530.10	1/2	4,832.65	1/2	5,125.08	1/2		1/2		1/2		1/2		1/2	
3/4	3,925.45	3/4	4,233.07	3/4	4,536.42	3/4	4,838.95	3/4	5,129.89	3/4		3/4		3/4		3/4		3/4	
2	3,931.87	2	4,239.39	2	4,542.74	2	4,845.25	2	5,134.69	2		2		2		2		2	
1/4	3,938.29	1/4	4,245.71	1/4	4,549.05	1/4	4,851.55	1/4	5,139.21	1/4		1/4		1/4		1/4		1/4	
1/2	3,944.71	1/2	4,252.03	1/2	4,555.36	1/2	4,857.85	1/2	5,143.73	1/2		1/2		1/2		1/2		1/2	
3/4	3,951.12	3/4	4,258.35	3/4	4,561.67	3/4	4,864.16	3/4	5,148.25	3/4		3/4		3/4		3/4		3/4	
3	3,957.54	3	4,264.67	3	4,567.98	3	4,870.46	3		3		3		3		3		3	
1/4	3,963.96	1/4	4,270.99	1/4	4,574.28	1/4	4,876.76	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,970.38	1/2	4,277.31	1/2	4,580.58	1/2	4,883.06	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	3,976.80	3/4	4,283.63	3/4	4,586.89	3/4	4,889.36	3/4		3/4		3/4		3/4		3/4		3/4	
4	3,983.22	4	4,289.95	4	4,593.19	4	4,895.66	4		4		4		4		4		4	
1/4	3,989.64	1/4	4,296.27	1/4	4,599.49	1/4	4,901.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	3,996.06	1/2	4,302.59	1/2	4,605.79	1/2	4,908.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,002.48	3/4	4,308.91	3/4	4,612.09	3/4	4,914.57	3/4		3/4		3/4		3/4		3/4		3/4	
5	4,008.90	5	4,315.23	5	4,618.39	5	4,920.87	5		5		5		5		5		5	
1/4	4,015.32	1/4	4,321.55	1/4	4,624.70	1/4	4,927.17	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,021.74	1/2	4,327.87	1/2	4,631.00	1/2	4,933.47	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,028.16	3/4	4,334.19	3/4	4,637.30	3/4	4,939.78	3/4		3/4		3/4		3/4		3/4		3/4	
6	4,034.57	6	4,340.51	6	4,643.60	6	4,946.08	6		6		6		6		6		6	
1/4	4,040.99	1/4	4,346.83	1/4	4,649.90	1/4	4,952.36	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,047.41	1/2	4,353.15	1/2	4,656.20	1/2	4,958.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,053.83	3/4	4,359.47	3/4	4,662.50	3/4	4,964.92	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,060.25	7	4,365.79	7	4,668.81	7	4,971.20	7		7		7		7		7		7	
1/4	4,066.67	1/4	4,372.11	1/4	4,675.11	1/4	4,977.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,073.09	1/2	4,378.43	1/2	4,681.41	1/2	4,983.72	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,079.51	3/4	4,384.75	3/4	4,687.71	3/4	4,989.99	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,085.93	8	4,391.07	8	4,694.01	8	4,996.25	8		8		8		8		8		8	
1/4	4,092.35	1/4	4,397.39	1/4	4,700.31	1/4	5,002.51	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,098.77	1/2	4,403.71	1/2	4,706.62	1/2	5,008.77	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,105.19	3/4	4,410.03	3/4	4,712.92	3/4	5,015.04	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,111.60	9	4,416.35	9	4,719.22	9	5,021.30	9		9		9		9		9		9	
1/4	4,118.02	1/4	4,422.67	1/4	4,725.52	1/4	5,027.56	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,124.44	1/2	4,428.99	1/2	4,731.82	1/2	5,033.82	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,130.86	3/4	4,435.30	3/4	4,738.12	3/4	5,040.07	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,137.28	10	4,441.62	10	4,744.43	10	5,046.33	10		10		10		10		10		10	
1/4	4,143.70	1/4	4,447.94	1/4	4,750.73	1/4	5,052.57	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,150.12	1/2	4,454.26	1/2	4,757.03	1/2	5,058.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,156.54	3/4	4,460.58	3/4	4,763.33	3/4	5,065.05	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,162.96	11	4,466.90	11	4,769.63	11	5,071.29	11		11		11		11		11		11	
1/4	4,169.38	1/4	4,473.22	1/4	4,775.93	1/4	5,077.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,175.80	1/2	4,479.54	1/2	4,782.24	1/2	5,083.19	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,182.22	3/4	4,485.86	3/4	4,788.54	3/4	5,089.14	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 10/14/2013 CL - SW
CALCULATED: 10/15/2013 CL
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CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2013

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PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "MPC 973"

SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 3'-10 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	399	0	798	0	1,197	0		0		0		0		0		0	
1/4	8	1/4	407	1/4	807	1/4	1,206	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	17	1/2	416	1/2	815	1/2	1,214	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	25	3/4	424	3/4	823	3/4	1,222	3/4		3/4		3/4		3/4		3/4		3/4	
1	33	1	432	1	832	1	1,231	1		1		1		1		1		1	
1/4	42	1/4	441	1/4	840	1/4	1,239	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	50	1/2	449	1/2	848	1/2	1,247	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	58	3/4	457	3/4	856	3/4	1,256	3/4		3/4		3/4		3/4		3/4		3/4	
2	67	2	466	2	865	2	1,264	2		2		2		2		2		2	
1/4	75	1/4	474	1/4	873	1/4	1,272	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	83	1/2	482	1/2	881	1/2	1,281	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	91	3/4	491	3/4	890	3/4	1,289	3/4		3/4		3/4		3/4		3/4		3/4	
3	100	3	499	3	898	3	1,297	3		3		3		3		3		3	
1/4	108	1/4	507	1/4	906	1/4	1,305	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	116	1/2	516	1/2	915	1/2	1,314	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	125	3/4	524	3/4	923	3/4	1,322	3/4		3/4		3/4		3/4		3/4		3/4	
4	133	4	532	4	931	4	1,330	4		4		4		4		4		4	
1/4	141	1/4	540	1/4	940	1/4	1,339	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	150	1/2	549	1/2	948	1/2	1,347	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158	3/4	557	3/4	956	3/4	1,355	3/4		3/4		3/4		3/4		3/4		3/4	
5	166	5	565	5	965	5	1,364	5		5		5		5		5		5	
1/4	175	1/4	574	1/4	973	1/4	1,367	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	183	1/2	582	1/2	981	1/2	1,370	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	191	3/4	590	3/4	989	3/4	1,374	3/4		3/4		3/4		3/4		3/4		3/4	
6	200	6	599	6	998	6	1,377	6		6		6		6		6		6	
1/4	208	1/4	607	1/4	1,006	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	216	1/2	615	1/2	1,014	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	225	3/4	624	3/4	1,023	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	233	7	632	7	1,031	7		7		7		7		7		7		7	
1/4	241	1/4	640	1/4	1,039	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	249	1/2	649	1/2	1,048	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	258	3/4	657	3/4	1,056	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	266	8	665	8	1,064	8		8		8		8		8		8		8	
1/4	274	1/4	674	1/4	1,073	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	283	1/2	682	1/2	1,081	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	291	3/4	690	3/4	1,089	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	299	9	698	9	1,098	9		9		9		9		9		9		9	
1/4	308	1/4	707	1/4	1,106	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	316	1/2	715	1/2	1,114	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	324	3/4	723	3/4	1,123	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	333	10	732	10	1,131	10		10		10		10		10		10		10	
1/4	341	1/4	740	1/4	1,139	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	349	1/2	748	1/2	1,147	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	358	3/4	757	3/4	1,156	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	366	11	765	11	1,164	11		11		11		11		11		11		11	
1/4	374	1/4	773	1/4	1,172	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	382	1/2	782	1/2	1,181	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	391	3/4	790	3/4	1,189	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN AT HATCH.

STRAPPED: 10/14/2013 CL - SW
CALCULATED: 10/15/2013 CL
PRINTED: 10/15/2013 CL

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BARGE "MPC 973"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 4'-00"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	84	0	210	0	321	0		0		0		0		0		0	
1/4	1	1/4	86	1/4	212	1/4	323	1/4	1/4	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	1	1/2	89	1/2	215	1/2	325	1/2	1/2	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	2	3/4	91	3/4	217	3/4	327	3/4	3/4	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
1	2	1	94	1	220	1	328	1	1	1		1	1	1	1	1	1	1	
1/4	3	1/4	96	1/4	223	1/4	330	1/4	1/4	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	4	1/2	99	1/2	225	1/2	331	1/2	1/2	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	5	3/4	101	3/4	228	3/4	333	3/4	3/4	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
2	6	2	104	2	230	2	334	2	2	2		2	2	2	2	2	2	2	
1/4	7	1/4	106	1/4	233	1/4	336	1/4	1/4	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	9	1/2	109	1/2	236	1/2	337	1/2	1/2	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	10	3/4	111	3/4	238	3/4	338	3/4	3/4	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
3	11	3	114	3	241	3	340	3	3	3		3	3	3	3	3	3	3	
1/4	13	1/4	117	1/4	243	1/4	341	1/4	1/4	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	14	1/2	119	1/2	246	1/2	342	1/2	1/2	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	16	3/4	122	3/4	248	3/4	343	3/4	3/4	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
4	17	4	124	4	251	4	344	4	4	4		4	4	4	4	4	4	4	
1/4	19	1/4	127	1/4	253	1/4	345	1/4	1/4	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	21	1/2	130	1/2	256	1/2	345	1/2	1/2	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	22	3/4	132	3/4	258	3/4	346	3/4	3/4	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
5	24	5	135	5	261	5	347	5	5	5		5	5	5	5	5	5	5	
1/4	26	1/4	138	1/4	263	1/4	347	1/4	1/4	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	28	1/2	140	1/2	266	1/2		1/2	1/2	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	29	3/4	143	3/4	268	3/4		3/4	3/4	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
6	31	6	146	6	270	6		6	6	6		6	6	6	6	6	6	6	
1/4	33	1/4	148	1/4	273	1/4		1/4	1/4	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	35	1/2	151	1/2	275	1/2		1/2	1/2	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	37	3/4	154	3/4	277	3/4		3/4	3/4	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
7	39	7	156	7	280	7		7	7	7		7	7	7	7	7	7	7	
1/4	41	1/4	159	1/4	282	1/4		1/4	1/4	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	43	1/2	162	1/2	284	1/2		1/2	1/2	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	45	3/4	164	3/4	287	3/4		3/4	3/4	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
8	47	8	167	8	289	8		8	8	8		8	8	8	8	8	8	8	
1/4	49	1/4	170	1/4	291	1/4		1/4	1/4	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	52	1/2	172	1/2	293	1/2		1/2	1/2	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	54	3/4	175	3/4	296	3/4		3/4	3/4	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
9	56	9	178	9	298	9		9	9	9		9	9	9	9	9	9	9	
1/4	58	1/4	180	1/4	300	1/4		1/4	1/4	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	60	1/2	183	1/2	302	1/2		1/2	1/2	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	63	3/4	186	3/4	304	3/4		3/4	3/4	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
10	65	10	188	10	306	10		10	10	10		10	10	10	10	10	10	10	
1/4	67	1/4	191	1/4	308	1/4		1/4	1/4	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	70	1/2	194	1/2	310	1/2		1/2	1/2	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	72	3/4	196	3/4	312	3/4		3/4	3/4	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	
11	74	11	199	11	314	11		11	11	11		11	11	11	11	11	11	11	
1/4	77	1/4	202	1/4	316	1/4		1/4	1/4	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	
1/2	79	1/2	204	1/2	318	1/2		1/2	1/2	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	
3/4	82	3/4	207	3/4	320	3/4		3/4	3/4	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO 2" DIAMETER PIPE.

STRAPPED: 10/14/2013 CL - SW
CALCULATED: 10/15/2013 CL
PRINTED: 10/15/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2013

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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