



BARGE "PTC 1602"

ULLAGE TRIM TABLE 8" HATCH

	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	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 00-7/8	00-7/8
1 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-5/8	00-5/8	- 00-3/4	00-3/4	- 00-7/8	00-7/8
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	- 00-5/8	00-5/8	- 00-3/4	00-3/4
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	- 00-3/4	00-3/4
3 PORT	00-7/8	- 00-7/8	01-7/8	- 01-7/8	02-3/4	- 02-3/4	03-5/8	- 03-5/8	04-1/2	- 04-1/2	05-1/2	- 05-1/2
3 STBD	00-7/8	- 00-7/8	01-7/8	- 01-7/8	02-3/4	- 02-3/4	03-5/8	- 03-5/8	04-1/2	- 04-1/2	05-1/2	- 05-1/2

(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 00-1/4"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/4"

LENGTH BETWEEN DRAFT MARKS: 236'-06"

December 14, 2015

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "PTC 1602"

ULLAGE TRIM TABLE HERMETIC

	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	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4
1 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4
2 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
2 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
3 PORT	00-3/4	- 00-3/4	01-5/8	- 01-5/8	02-3/8	- 02-3/8	03-1/4	- 03-1/4	04-0/8	- 04-0/8	04-7/8	- 04-7/8
3 STBD	00-3/4	- 00-3/4	01-5/8	- 01-5/8	02-3/8	- 02-3/8	03-1/4	- 03-1/4	04-0/8	- 04-0/8	04-7/8	- 04-7/8

(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 ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 236'-06"

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BARGE "PTC 1602"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 3/4"

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	4,994.57	0	4,650.35	0	4,295.03	0	3,939.69	0	3,584.23	0	3,227.10	0	2,869.56	0	2,511.54	0	2,153.53
1/4		1/4	4,989.35	1/4	4,642.95	1/4	4,287.63	1/4	3,932.29	1/4	3,576.82	1/4	3,219.65	1/4	2,862.10	1/4	2,504.08	1/4	2,146.07
1/2		1/2	4,984.12	1/2	4,635.54	1/2	4,280.23	1/2	3,924.88	1/2	3,569.41	1/2	3,212.21	1/2	2,854.64	1/2	2,496.63	1/2	2,138.61
3/4		3/4	4,978.89	3/4	4,628.14	3/4	4,272.83	3/4	3,917.48	3/4	3,562.01	3/4	3,204.77	3/4	2,847.18	3/4	2,489.17	3/4	2,131.15
1		1	4,972.43	1	4,620.74	1	4,265.42	1	3,910.07	1	3,554.58	1	3,197.32	1	2,839.73	1	2,481.71	1	2,123.69
1/4		1/4	4,965.96	1/4	4,613.34	1/4	4,258.02	1/4	3,902.67	1/4	3,547.14	1/4	3,189.88	1/4	2,832.27	1/4	2,474.25	1/4	2,116.23
1/2		1/2	4,959.49	1/2	4,605.93	1/2	4,250.62	1/2	3,895.26	1/2	3,539.71	1/2	3,182.44	1/2	2,824.81	1/2	2,466.79	1/2	2,108.77
3/4		3/4	4,953.02	3/4	4,598.53	3/4	4,243.22	3/4	3,887.86	3/4	3,532.28	3/4	3,174.99	3/4	2,817.35	3/4	2,459.33	3/4	2,101.31
2		2	4,945.80	2	4,591.13	2	4,235.81	2	3,880.45	2	3,524.83	2	3,167.55	2	2,809.89	2	2,451.87	2	2,093.86
1/4		1/4	4,938.58	1/4	4,583.73	1/4	4,228.41	1/4	3,873.04	1/4	3,517.39	1/4	3,160.11	1/4	2,802.43	1/4	2,444.41	1/4	2,086.40
1/2		1/2	4,931.36	1/2	4,576.32	1/2	4,221.01	1/2	3,865.64	1/2	3,509.95	1/2	3,152.66	1/2	2,794.97	1/2	2,436.96	1/2	2,078.94
3/4		3/4	4,924.14	3/4	4,568.92	3/4	4,213.61	3/4	3,858.23	3/4	3,502.50	3/4	3,145.22	3/4	2,787.52	3/4	2,429.50	3/4	2,071.48
3		3	4,916.76	3	4,561.52	3	4,206.20	3	3,850.83	3	3,495.06	3	3,137.78	3	2,780.06	3	2,422.04	3	2,064.02
1/4		1/4	4,909.37	1/4	4,554.12	1/4	4,198.80	1/4	3,843.42	1/4	3,487.62	1/4	3,130.33	1/4	2,772.60	1/4	2,414.58	1/4	2,056.56
1/2		1/2	4,901.98	1/2	4,546.71	1/2	4,191.40	1/2	3,836.02	1/2	3,480.17	1/2	3,122.89	1/2	2,765.14	1/2	2,407.12	1/2	2,049.10
3/4		3/4	4,894.60	3/4	4,539.31	3/4	4,184.00	3/4	3,828.61	3/4	3,472.73	3/4	3,115.45	3/4	2,757.68	3/4	2,399.66	3/4	2,041.65
4		4	4,887.20	4	4,531.91	4	4,176.59	4	3,821.20	4	3,465.29	4	3,108.00	4	2,750.22	4	2,392.20	4	2,034.19
1/4		1/4	4,879.80	1/4	4,524.51	1/4	4,169.19	1/4	3,813.80	1/4	3,457.84	1/4	3,100.56	1/4	2,742.76	1/4	2,384.75	1/4	2,026.73
1/2		1/2	4,872.40	1/2	4,517.11	1/2	4,161.79	1/2	3,806.39	1/2	3,450.40	1/2	3,093.12	1/2	2,735.30	1/2	2,377.29	1/2	2,019.27
3/4		3/4	4,865.01	3/4	4,509.70	3/4	4,154.39	3/4	3,798.99	3/4	3,442.96	3/4	3,085.67	3/4	2,727.85	3/4	2,369.83	3/4	2,011.81
5		5	4,857.61	5	4,502.30	5	4,146.99	5	3,791.58	5	3,435.51	5	3,078.23	5	2,720.39	5	2,362.37	5	2,004.35
1/4		1/4	4,850.21	1/4	4,494.90	1/4	4,139.58	1/4	3,784.18	1/4	3,428.07	1/4	3,070.79	1/4	2,712.93	1/4	2,354.91	1/4	1,996.89
1/2		1/2	4,842.81	1/2	4,487.50	1/2	4,132.18	1/2	3,776.77	1/2	3,420.63	1/2	3,063.34	1/2	2,705.47	1/2	2,347.45	1/2	1,989.43
3/4		3/4	4,835.41	3/4	4,480.09	3/4	4,124.78	3/4	3,769.37	3/4	3,413.18	3/4	3,055.90	3/4	2,698.01	3/4	2,339.99	3/4	1,981.98
6		6	4,828.01	6	4,472.69	6	4,117.38	6	3,761.96	6	3,405.74	6	3,048.46	6	2,690.55	6	2,332.53	6	1,974.52
1/4		1/4	4,820.60	1/4	4,465.29	1/4	4,109.97	1/4	3,754.55	1/4	3,398.29	1/4	3,041.01	1/4	2,683.09	1/4	2,325.08	1/4	1,967.06
1/2		1/2	4,813.20	1/2	4,457.89	1/2	4,102.57	1/2	3,747.15	1/2	3,390.85	1/2	3,033.57	1/2	2,675.63	1/2	2,317.62	1/2	1,959.60
3/4		3/4	4,805.80	3/4	4,450.48	3/4	4,095.17	3/4	3,739.74	3/4	3,383.41	3/4	3,026.12	3/4	2,668.18	3/4	2,310.16	3/4	1,952.14
7		7	4,798.40	7	4,443.08	7	4,087.77	7	3,732.34	7	3,375.96	7	3,018.68	7	2,660.72	7	2,302.70	7	1,944.68
1/4		1/4	4,790.99	1/4	4,435.68	1/4	4,080.36	1/4	3,724.93	1/4	3,368.52	1/4	3,011.24	1/4	2,653.26	1/4	2,295.24	1/4	1,937.22
1/2		1/2	4,783.59	1/2	4,428.28	1/2	4,072.96	1/2	3,717.53	1/2	3,361.08	1/2	3,003.79	1/2	2,645.80	1/2	2,287.78	1/2	1,929.76
3/4		3/4	4,776.19	3/4	4,420.87	3/4	4,065.56	3/4	3,710.12	3/4	3,353.63	3/4	2,996.35	3/4	2,638.34	3/4	2,280.32	3/4	1,922.31
8		8	4,768.79	8	4,413.47	8	4,058.16	8	3,702.72	8	3,346.19	8	2,988.89	8	2,630.88	8	2,272.86	8	1,914.85
1/4		1/4	4,761.38	1/4	4,406.07	1/4	4,050.75	1/4	3,695.31	1/4	3,338.75	1/4	2,981.44	1/4	2,623.42	1/4	2,265.41	1/4	1,907.39
1/2		1/2	4,753.98	1/2	4,398.67	1/2	4,043.35	1/2	3,687.90	1/2	3,331.30	1/2	2,973.98	1/2	2,615.97	1/2	2,257.95	1/2	1,899.93
3/4		3/4	4,746.58	3/4	4,391.26	3/4	4,035.95	3/4	3,680.50	3/4	3,323.86	3/4	2,966.52	3/4	2,608.51	3/4	2,250.49	3/4	1,892.47
9		9	4,739.18	9	4,383.86	9	4,028.55	9	3,673.09	9	3,316.42	9	2,959.07	9	2,601.05	9	2,243.03	9	1,885.01
1/4		1/4	4,731.77	1/4	4,376.46	1/4	4,021.14	1/4	3,665.69	1/4	3,308.97	1/4	2,951.61	1/4	2,593.59	1/4	2,235.57	1/4	1,877.55
1/2		1/2	4,724.37	1/2	4,369.06	1/2	4,013.74	1/2	3,658.28	1/2	3,301.53	1/2	2,944.15	1/2	2,586.13	1/2	2,228.11	1/2	1,870.10
3/4		3/4	4,716.97	3/4	4,361.65	3/4	4,006.34	3/4	3,650.88	3/4	3,294.09	3/4	2,936.69	3/4	2,578.67	3/4	2,220.65	3/4	1,862.64
10		10	4,709.57	10	4,354.25	10	3,998.94	10	3,643.47	10	3,286.64	10	2,929.23	10	2,571.21	10	2,213.20	10	1,855.18
1/4		1/4	4,702.17	1/4	4,346.85	1/4	3,991.53	1/4	3,636.06	1/4	3,279.20	1/4	2,921.77	1/4	2,563.75	1/4	2,205.74	1/4	1,847.72
1/2		1/2	4,694.76	1/2	4,339.45	1/2	3,984.13	1/2	3,628.66	1/2	3,271.76	1/2	2,914.31	1/2	2,556.30	1/2	2,198.28	1/2	1,840.26
3/4		3/4	4,687.36	3/4	4,332.05	3/4	3,976.72	3/4	3,621.25	3/4	3,264.31	3/4	2,906.85	3/4	2,548.84	3/4	2,190.82	3/4	1,832.80
11		11	4,679.96	11	4,324.64	11	3,969.32	11	3,613.85	11	3,256.87	11	2,899.40	11	2,541.38	11	2,183.36	11	1,825.34
1/4		1/4	4,672.56	1/4	4,317.24	1/4	3,961.91	1/4	3,606.44	1/4	3,249.43	1/4	2,891.94	1/4	2,533.92	1/4	2,175.90	1/4	1,817.88
1/2		1/2	4,665.15	1/2	4,309.84	1/2	3,954.51	1/2	3,599.04	1/2	3,241.98	1/2	2,884.48	1/2	2,526.46	1/2	2,168.44	1/2	1,810.43
3/4		3/4	4,999.80	3/4	4,657.75	3/4	4,302.44	3/4	3,947.10	3/4	3,591.63	3/4	3,234.54	3/4	2,877.02	3/4	2,160.98	3/4	1,802.97

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 ONLY APPLIES TO ULLAGE GAUGES.

GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-06" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8" HATCH) LOCATED 12'-06" OFF CENTERLINE AND 40'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "PTC 1602"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 3/4"

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	1,795.51	0	1,438.23	0	1,080.87	0	725.27	0	376.95	0	60.73	0		0		0		0	
1/4	1,788.05	1/4	1,430.77	1/4	1,073.46	1/4	717.81	1/4	370.00	1/4	54.74	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,780.59	1/2	1,423.31	1/2	1,066.06	1/2	710.35	1/2	363.05	1/2	48.76	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,773.13	3/4	1,415.85	3/4	1,058.66	3/4	702.89	3/4	356.10	3/4	42.77	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,765.70	1	1,408.39	1	1,051.26	1	695.43	1	349.24	1	37.39	1	1	1	1	1	1	1	1
1/4	1,758.26	1/4	1,400.93	1/4	1,043.86	1/4	687.98	1/4	342.38	1/4	32.01	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,750.83	1/2	1,393.47	1/2	1,036.46	1/2	680.52	1/2	335.51	1/2	26.63	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,743.39	3/4	1,386.01	3/4	1,029.05	3/4	673.06	3/4	328.65	3/4	21.25	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,735.96	2	1,378.55	2	1,021.66	2	665.60	2	321.88	2	17.54	2	2	2	2	2	2	2	2
1/4	1,728.54	1/4	1,371.09	1/4	1,014.26	1/4	658.14	1/4	315.10	1/4	13.83	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,721.11	1/2	1,363.63	1/2	1,006.86	1/2	650.68	1/2	308.33	1/2	10.12	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,713.68	3/4	1,356.17	3/4	999.46	3/4	643.22	3/4	301.55	3/4	6.41	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,706.25	3	1,348.71	3	992.07	3	635.76	3	294.87	3		3	3	3	3	3	3	3	3
1/4	1,698.83	1/4	1,341.25	1/4	984.67	1/4	628.31	1/4	288.18	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,691.40	1/2	1,333.79	1/2	977.27	1/2	620.85	1/2	281.50	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,683.97	3/4	1,326.34	3/4	969.87	3/4	613.39	3/4	274.81	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,676.54	4	1,318.88	4	962.48	4	606.06	4	268.22	4		4	4	4	4	4	4	4	4
1/4	1,669.12	1/4	1,311.42	1/4	955.08	1/4	598.72	1/4	261.62	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,661.69	1/2	1,303.96	1/2	947.68	1/2	591.39	1/2	255.03	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,654.26	3/4	1,296.50	3/4	940.29	3/4	584.05	3/4	248.44	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,646.83	5	1,289.04	5	932.89	5	576.87	5	241.69	5		5	5	5	5	5	5	5	5
1/4	1,639.41	1/4	1,281.58	1/4	925.49	1/4	569.69	1/4	234.95	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,631.98	1/2	1,274.12	1/2	918.09	1/2	562.52	1/2	228.21	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,624.55	3/4	1,266.66	3/4	910.70	3/4	555.34	3/4	221.47	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,617.12	6	1,259.20	6	903.30	6	548.20	6	214.74	6		6	6	6	6	6	6	6	6
1/4	1,609.70	1/4	1,251.74	1/4	895.90	1/4	541.06	1/4	208.01	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,602.27	1/2	1,244.28	1/2	888.51	1/2	533.92	1/2	201.28	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,594.84	3/4	1,236.82	3/4	881.11	3/4	526.78	3/4	194.55	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,587.39	7	1,229.36	7	873.71	7	519.64	7	187.90	7		7	7	7	7	7	7	7	7
1/4	1,579.94	1/4	1,221.90	1/4	866.31	1/4	512.50	1/4	181.26	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,572.49	1/2	1,214.44	1/2	858.92	1/2	505.36	1/2	174.61	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,565.04	3/4	1,206.98	3/4	851.52	3/4	498.22	3/4	167.97	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,557.58	8	1,199.55	8	844.12	8	491.08	8	161.41	8		8	8	8	8	8	8	8	8
1/4	1,550.12	1/4	1,192.12	1/4	836.72	1/4	483.94	1/4	154.85	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,542.66	1/2	1,184.68	1/2	829.33	1/2	476.80	1/2	148.30	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,535.20	3/4	1,177.25	3/4	821.93	3/4	469.66	3/4	141.74	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,527.74	9	1,169.82	9	814.53	9	462.52	9	135.27	9		9	9	9	9	9	9	9	9
1/4	1,520.28	1/4	1,162.40	1/4	807.14	1/4	455.39	1/4	128.80	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,512.82	1/2	1,154.97	1/2	799.74	1/2	448.25	1/2	122.33	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,505.36	3/4	1,147.54	3/4	792.34	3/4	441.11	3/4	115.86	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,497.90	10	1,140.13	10	784.90	10	433.88	10	109.60	10		10	10	10	10	10	10	10	10
1/4	1,490.44	1/4	1,132.72	1/4	777.45	1/4	426.65	1/4	103.33	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,482.98	1/2	1,125.31	1/2	770.01	1/2	419.43	1/2	97.06	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,475.52	3/4	1,117.90	3/4	762.57	3/4	412.20	3/4	90.80	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,468.06	11	1,110.49	11	755.11	11	405.13	11	84.78	11		11	11	11	11	11	11	11	11
1/4	1,460.60	1/4	1,103.08	1/4	747.65	1/4	398.05	1/4	78.76	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,453.14	1/2	1,095.68	1/2	740.19	1/2	390.97	1/2	72.74	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,445.69	3/4	1,088.27	3/4	732.73	3/4	383.90	3/4	66.72	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/14/2015 CL
CALCULATED: 12/15/2015 CL
PRINTED: 12/15/2015 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2015

PRECISION MEASUREMENT
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BARGE "PTC 1602"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03"

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	4,980.79	0	4,639.34	0	4,284.65	0	3,929.94	0	3,575.42	0	3,219.52	0	2,863.20	0	2,506.38	0	2,149.55
1/4		1/4	4,975.57	1/4	4,631.95	1/4	4,277.26	1/4	3,922.55	1/4	3,568.04	1/4	3,212.10	1/4	2,855.77	1/4	2,498.94	1/4	2,142.11
1/2		1/2	4,970.36	1/2	4,624.56	1/2	4,269.87	1/2	3,915.15	1/2	3,560.66	1/2	3,204.68	1/2	2,848.34	1/2	2,491.51	1/2	2,134.68
3/4		3/4	4,965.14	3/4	4,617.17	3/4	4,262.48	3/4	3,907.76	3/4	3,553.27	3/4	3,197.26	3/4	2,840.90	3/4	2,484.07	3/4	2,127.25
1		1	4,959.92	1	4,609.78	1	4,255.09	1	3,900.37	1	3,545.89	1	3,189.84	1	2,833.47	1	2,476.64	1	2,119.81
1/4		1/4	4,953.46	1/4	4,602.39	1/4	4,247.70	1/4	3,892.98	1/4	3,538.48	1/4	3,182.42	1/4	2,826.03	1/4	2,469.21	1/4	2,112.38
1/2		1/2	4,947.01	1/2	4,595.00	1/2	4,240.31	1/2	3,885.59	1/2	3,531.08	1/2	3,175.01	1/2	2,818.60	1/2	2,461.77	1/2	2,104.95
3/4		3/4	4,940.55	3/4	4,587.61	3/4	4,232.92	3/4	3,878.19	3/4	3,523.67	3/4	3,167.59	3/4	2,811.17	3/4	2,454.34	3/4	2,097.51
2		2	4,934.09	2	4,580.22	2	4,225.53	2	3,870.80	2	3,516.26	2	3,160.17	2	2,803.73	2	2,446.90	2	2,090.08
1/4		1/4	4,926.89	1/4	4,572.83	1/4	4,218.15	1/4	3,863.41	1/4	3,508.84	1/4	3,152.75	1/4	2,796.30	1/4	2,439.47	1/4	2,082.64
1/2		1/2	4,919.68	1/2	4,565.44	1/2	4,210.76	1/2	3,856.02	1/2	3,501.42	1/2	3,145.33	1/2	2,788.86	1/2	2,432.04	1/2	2,075.21
3/4		3/4	4,912.47	3/4	4,558.05	3/4	4,203.37	3/4	3,848.62	3/4	3,494.00	3/4	3,137.91	3/4	2,781.43	3/4	2,424.60	3/4	2,067.78
3		3	4,905.26	3	4,550.66	3	4,195.98	3	3,841.23	3	3,486.58	3	3,130.49	3	2,774.00	3	2,417.17	3	2,060.34
1/4		1/4	4,897.89	1/4	4,543.27	1/4	4,188.59	1/4	3,833.84	1/4	3,479.16	1/4	3,123.08	1/4	2,766.56	1/4	2,409.73	1/4	2,052.91
1/2		1/2	4,890.52	1/2	4,535.89	1/2	4,181.20	1/2	3,826.45	1/2	3,471.75	1/2	3,115.66	1/2	2,759.13	1/2	2,402.30	1/2	2,045.47
3/4		3/4	4,883.15	3/4	4,528.50	3/4	4,173.81	3/4	3,819.05	3/4	3,464.33	3/4	3,108.24	3/4	2,751.69	3/4	2,394.87	3/4	2,038.04
4		4	4,875.77	4	4,521.11	4	4,166.42	4	3,811.66	4	3,456.91	4	3,100.82	4	2,744.26	4	2,387.43	4	2,030.61
1/4		1/4	4,868.39	1/4	4,513.72	1/4	4,159.03	1/4	3,804.27	1/4	3,449.49	1/4	3,093.40	1/4	2,736.83	1/4	2,380.00	1/4	2,023.17
1/2		1/2	4,861.00	1/2	4,506.33	1/2	4,151.64	1/2	3,796.88	1/2	3,442.07	1/2	3,085.98	1/2	2,729.39	1/2	2,372.57	1/2	2,015.74
3/4		3/4	4,853.61	3/4	4,498.94	3/4	4,144.25	3/4	3,789.48	3/4	3,434.65	3/4	3,078.56	3/4	2,721.96	3/4	2,365.13	3/4	2,008.30
5		5	4,846.23	5	4,491.55	5	4,136.86	5	3,782.09	5	3,427.23	5	3,071.15	5	2,714.52	5	2,357.70	5	2,000.87
1/4		1/4	4,838.84	1/4	4,484.16	1/4	4,129.47	1/4	3,774.71	1/4	3,419.82	1/4	3,063.73	1/4	2,707.09	1/4	2,350.26	1/4	1,993.44
1/2		1/2	4,831.45	1/2	4,476.77	1/2	4,122.08	1/2	3,767.33	1/2	3,412.40	1/2	3,056.31	1/2	2,699.66	1/2	2,342.83	1/2	1,986.00
3/4		3/4	4,824.07	3/4	4,469.38	3/4	4,114.69	3/4	3,759.94	3/4	3,404.98	3/4	3,048.89	3/4	2,692.22	3/4	2,335.40	3/4	1,978.57
6		6	4,816.68	6	4,461.99	6	4,107.31	6	3,752.56	6	3,397.56	6	3,041.47	6	2,684.79	6	2,327.96	6	1,971.13
1/4		1/4	4,809.29	1/4	4,454.60	1/4	4,099.92	1/4	3,745.18	1/4	3,390.14	1/4	3,034.05	1/4	2,677.36	1/4	2,320.53	1/4	1,963.70
1/2		1/2	4,801.90	1/2	4,447.21	1/2	4,092.53	1/2	3,737.80	1/2	3,382.72	1/2	3,026.64	1/2	2,669.92	1/2	2,313.09	1/2	1,956.27
3/4		3/4	4,794.51	3/4	4,439.82	3/4	4,085.14	3/4	3,730.42	3/4	3,375.30	3/4	3,019.22	3/4	2,662.49	3/4	2,305.66	3/4	1,948.83
7		7	4,787.12	7	4,432.43	7	4,077.75	7	3,723.04	7	3,367.89	7	3,011.80	7	2,655.05	7	2,298.23	7	1,941.40
1/4		1/4	4,779.73	1/4	4,425.05	1/4	4,070.36	1/4	3,715.65	1/4	3,360.47	1/4	3,004.38	1/4	2,647.62	1/4	2,290.79	1/4	1,933.97
1/2		1/2	4,772.34	1/2	4,417.66	1/2	4,062.97	1/2	3,708.27	1/2	3,353.05	1/2	2,996.96	1/2	2,640.19	1/2	2,283.36	1/2	1,926.53
3/4		3/4	4,764.95	3/4	4,410.27	3/4	4,055.58	3/4	3,700.89	3/4	3,345.63	3/4	2,989.54	3/4	2,632.75	3/4	2,275.92	3/4	1,919.10
8		8	4,757.56	8	4,402.88	8	4,048.19	8	3,693.51	8	3,338.21	8	2,982.12	8	2,625.32	8	2,268.49	8	1,911.66
1/4		1/4	4,750.17	1/4	4,395.49	1/4	4,040.80	1/4	3,686.13	1/4	3,330.79	1/4	2,974.70	1/4	2,617.88	1/4	2,261.06	1/4	1,904.23
1/2		1/2	4,742.79	1/2	4,388.10	1/2	4,033.41	1/2	3,678.75	1/2	3,323.38	1/2	2,967.27	1/2	2,610.45	1/2	2,253.62	1/2	1,896.80
3/4		3/4	4,735.40	3/4	4,380.71	3/4	4,026.02	3/4	3,671.37	3/4	3,315.96	3/4	2,959.84	3/4	2,603.02	3/4	2,246.19	3/4	1,889.36
9		9	4,728.01	9	4,373.32	9	4,018.63	9	3,663.99	9	3,308.54	9	2,952.41	9	2,595.58	9	2,238.76	9	1,881.93
1/4		1/4	4,720.62	1/4	4,365.93	1/4	4,011.24	1/4	3,656.61	1/4	3,301.12	1/4	2,944.98	1/4	2,588.15	1/4	2,231.32	1/4	1,874.49
1/2		1/2	4,713.23	1/2	4,358.54	1/2	4,003.86	1/2	3,649.23	1/2	3,293.70	1/2	2,937.54	1/2	2,580.71	1/2	2,223.89	1/2	1,867.06
3/4		3/4	4,705.84	3/4	4,351.15	3/4	3,996.47	3/4	3,641.85	3/4	3,286.28	3/4	2,930.11	3/4	2,573.28	3/4	2,216.45	3/4	1,859.63
10		10	4,698.45	10	4,343.76	10	3,989.08	10	3,634.46	10	3,278.86	10	2,922.67	10	2,565.85	10	2,209.02	10	1,852.19
1/4		1/4	4,691.06	1/4	4,336.37	1/4	3,981.68	1/4	3,627.08	1/4	3,271.45	1/4	2,915.24	1/4	2,558.41	1/4	2,201.59	1/4	1,844.76
1/2		1/2	4,683.67	1/2	4,328.98	1/2	3,974.29	1/2	3,619.70	1/2	3,264.03	1/2	2,907.81	1/2	2,550.98	1/2	2,194.15	1/2	1,837.32
3/4		3/4	4,676.28	3/4	4,321.60	3/4	3,966.90	3/4	3,612.32	3/4	3,256.61	3/4	2,900.37	3/4	2,543.55	3/4	2,186.72	3/4	1,829.89
11		11	4,668.89	11	4,314.21	11	3,959.51	11	3,604.94	11	3,249.19	11	2,892.94	11	2,536.11	11	2,179.28	11	1,822.46
1/4		1/4	4,661.50	1/4	4,306.82	1/4	3,952.12	1/4	3,597.56	1/4	3,241.77	1/4	2,885.50	1/4	2,528.68	1/4	2,171.85	1/4	1,815.02
1/2		1/2	4,654.11	1/2	4,299.43	1/2	3,944.72	1/2	3,590.18	1/2	3,234.35	1/2	2,878.07	1/2	2,521.24	1/2	2,164.42	1/2	1,807.59
3/4		3/4	4,646.72	3/4	4,292.04	3/4	3,937.33	3/4	3,582.80	3/4	3,226.93	3/4	2,870.64	3/4	2,513.81	3/4	2,156.98	3/4	1,800.16

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 ONLY APPLIES TO ULLAGE GAUGES.

GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-06" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8" HATCH) LOCATED 12'-06" OFF CENTERLINE AND 40'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "PTC 1602"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03"

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	1,792.72	0	1,436.63	0	1,081.59	0	725.87	0	378.21	0	66.62	0		0		0		0	
1/4	1,785.29	1/4	1,429.20	1/4	1,074.18	1/4	718.44	1/4	371.29	1/4	60.65	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,777.85	1/2	1,421.76	1/2	1,066.77	1/2	711.00	1/2	364.36	1/2	54.67	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,770.42	3/4	1,414.33	3/4	1,059.35	3/4	703.57	3/4	357.43	3/4	48.69	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,762.99	1	1,406.89	1	1,051.94	1	696.13	1	350.51	1	42.71	1		1		1		1	
1/4	1,755.58	1/4	1,399.46	1/4	1,044.53	1/4	688.70	1/4	343.66	1/4	37.34	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,748.16	1/2	1,392.03	1/2	1,037.12	1/2	681.27	1/2	336.81	1/2	31.97	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,740.75	3/4	1,384.59	3/4	1,029.72	3/4	673.83	3/4	329.97	3/4	26.60	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,733.34	2	1,377.16	2	1,022.31	2	666.40	2	323.12	2	21.23	2		2		2		2	
1/4	1,725.94	1/4	1,369.72	1/4	1,014.90	1/4	658.96	1/4	316.35	1/4	17.52	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,718.54	1/2	1,362.29	1/2	1,007.49	1/2	651.53	1/2	309.59	1/2	13.82	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,711.14	3/4	1,354.85	3/4	1,000.09	3/4	644.09	3/4	302.83	3/4	10.12	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,703.73	3	1,347.42	3	992.68	3	636.66	3	296.06	3	6.41	3		3		3		3	
1/4	1,696.33	1/4	1,340.06	1/4	985.27	1/4	629.23	1/4	289.39	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,688.93	1/2	1,332.71	1/2	977.87	1/2	621.80	1/2	282.72	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,681.53	3/4	1,325.35	3/4	970.46	3/4	614.36	3/4	276.04	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,674.12	4	1,317.99	4	963.06	4	606.93	4	269.37	4		4		4		4		4	
1/4	1,666.72	1/4	1,310.67	1/4	955.65	1/4	599.62	1/4	262.79	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,659.32	1/2	1,303.34	1/2	948.24	1/2	592.31	1/2	256.20	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,651.92	3/4	1,296.01	3/4	940.84	3/4	585.00	3/4	249.62	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,644.51	5	1,288.68	5	933.43	5	577.69	5	243.04	5		5		5		5		5	
1/4	1,637.11	1/4	1,281.35	1/4	926.03	1/4	570.53	1/4	236.31	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,629.71	1/2	1,274.02	1/2	918.62	1/2	563.38	1/2	229.58	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,622.30	3/4	1,266.69	3/4	911.21	3/4	556.22	3/4	222.85	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,614.90	6	1,259.36	6	903.81	6	549.07	6	216.12	6		6		6		6		6	
1/4	1,607.50	1/4	1,252.03	1/4	896.40	1/4	541.95	1/4	209.52	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,600.10	1/2	1,244.70	1/2	889.00	1/2	534.84	1/2	202.91	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,592.69	3/4	1,237.37	3/4	881.59	3/4	527.72	3/4	196.31	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,585.29	7	1,230.04	7	874.19	7	520.61	7	189.71	7		7		7		7		7	
1/4	1,577.87	1/4	1,222.63	1/4	866.78	1/4	513.49	1/4	183.35	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,570.44	1/2	1,215.23	1/2	859.37	1/2	506.38	1/2	176.99	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,563.01	3/4	1,207.82	3/4	851.97	3/4	499.26	3/4	170.63	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,555.59	8	1,200.41	8	844.56	8	492.15	8	164.27	8		8		8		8		8	
1/4	1,548.15	1/4	1,192.97	1/4	837.16	1/4	485.03	1/4	158.04	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,540.72	1/2	1,185.54	1/2	829.75	1/2	477.92	1/2	151.80	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,533.28	3/4	1,178.10	3/4	822.34	3/4	470.80	3/4	145.57	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,525.85	9	1,170.67	9	814.94	9	463.69	9	139.33	9		9		9		9		9	
1/4	1,518.41	1/4	1,163.24	1/4	807.53	1/4	456.57	1/4	133.19	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,510.98	1/2	1,155.80	1/2	800.13	1/2	449.46	1/2	127.04	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,503.54	3/4	1,148.37	3/4	792.72	3/4	442.34	3/4	120.89	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,496.11	10	1,140.93	10	785.32	10	435.23	10	114.75	10		10		10		10		10	
1/4	1,488.68	1/4	1,133.51	1/4	777.89	1/4	428.02	1/4	108.69	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,481.24	1/2	1,126.09	1/2	770.46	1/2	420.82	1/2	102.63	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,473.81	3/4	1,118.67	3/4	763.04	3/4	413.62	3/4	96.57	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,466.37	11	1,111.25	11	755.61	11	406.42	11	90.50	11		11		11		11		11	
1/4	1,458.94	1/4	1,103.84	1/4	748.17	1/4	399.37	1/4	84.53	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,451.50	1/2	1,096.42	1/2	740.74	1/2	392.31	1/2	78.56	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,444.07	3/4	1,089.00	3/4	733.31	3/4	385.26	3/4	72.59	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/14/2015 CL
CALCULATED: 12/15/2015 CL
PRINTED: 12/15/2015 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2015

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



BARGE "PTC 1602"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03"

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	5,057.48	0	4,714.43	0	4,358.09	0	4,001.72	0	3,645.23	0	3,287.11	0	2,928.56	0	2,569.51	0	2,210.47
1/4		1/4	5,052.24	1/4	4,707.01	1/4	4,350.67	1/4	3,994.30	1/4	3,637.80	1/4	3,279.64	1/4	2,921.08	1/4	2,562.03	1/4	2,202.99
1/2		1/2	5,047.00	1/2	4,699.58	1/2	4,343.24	1/2	3,986.87	1/2	3,630.37	1/2	3,272.18	1/2	2,913.60	1/2	2,554.55	1/2	2,195.51
3/4		3/4	5,041.76	3/4	4,692.16	3/4	4,335.82	3/4	3,979.44	3/4	3,622.95	3/4	3,264.71	3/4	2,906.11	3/4	2,547.07	3/4	2,188.03
1		1	5,036.51	1	4,684.74	1	4,328.39	1	3,972.02	1	3,615.52	1	3,257.25	1	2,898.63	1	2,539.59	1	2,180.55
1/4		1/4	5,030.03	1/4	4,677.31	1/4	4,320.97	1/4	3,964.59	1/4	3,608.06	1/4	3,249.78	1/4	2,891.15	1/4	2,532.11	1/4	2,173.07
1/2		1/2	5,023.54	1/2	4,669.89	1/2	4,313.55	1/2	3,957.16	1/2	3,600.61	1/2	3,242.32	1/2	2,883.67	1/2	2,524.63	1/2	2,165.59
3/4		3/4	5,017.05	3/4	4,662.46	3/4	4,306.12	3/4	3,949.73	3/4	3,593.15	3/4	3,234.85	3/4	2,876.19	3/4	2,517.15	3/4	2,158.10
2		2	5,010.56	2	4,655.04	2	4,298.70	2	3,942.31	2	3,585.70	2	3,227.39	2	2,868.71	2	2,509.67	2	2,150.62
1/4		1/4	5,003.32	1/4	4,647.62	1/4	4,291.27	1/4	3,934.88	1/4	3,578.23	1/4	3,219.92	1/4	2,861.23	1/4	2,502.19	1/4	2,143.14
1/2		1/2	4,996.08	1/2	4,640.19	1/2	4,283.85	1/2	3,927.45	1/2	3,570.77	1/2	3,212.46	1/2	2,853.75	1/2	2,494.71	1/2	2,135.66
3/4		3/4	4,988.84	3/4	4,632.77	3/4	4,276.43	3/4	3,920.03	3/4	3,563.30	3/4	3,204.99	3/4	2,846.27	3/4	2,487.23	3/4	2,128.18
3		3	4,981.60	3	4,625.35	3	4,269.00	3	3,912.60	3	3,555.84	3	3,197.53	3	2,838.79	3	2,479.75	3	2,120.70
1/4		1/4	4,974.19	1/4	4,617.92	1/4	4,261.58	1/4	3,905.17	1/4	3,548.38	1/4	3,190.06	1/4	2,831.31	1/4	2,472.27	1/4	2,113.22
1/2		1/2	4,966.79	1/2	4,610.50	1/2	4,254.16	1/2	3,897.75	1/2	3,540.91	1/2	3,182.60	1/2	2,823.83	1/2	2,464.79	1/2	2,105.74
3/4		3/4	4,959.38	3/4	4,603.07	3/4	4,246.73	3/4	3,890.32	3/4	3,533.45	3/4	3,175.14	3/4	2,816.35	3/4	2,457.31	3/4	2,098.26
4		4	4,951.97	4	4,595.65	4	4,239.31	4	3,882.89	4	3,525.98	4	3,167.67	4	2,808.87	4	2,449.83	4	2,090.78
1/4		1/4	4,944.55	1/4	4,588.23	1/4	4,231.88	1/4	3,875.46	1/4	3,518.52	1/4	3,160.21	1/4	2,801.39	1/4	2,442.35	1/4	2,083.30
1/2		1/2	4,937.13	1/2	4,580.80	1/2	4,224.46	1/2	3,868.04	1/2	3,511.05	1/2	3,152.74	1/2	2,793.91	1/2	2,434.87	1/2	2,075.82
3/4		3/4	4,929.71	3/4	4,573.38	3/4	4,217.04	3/4	3,860.61	3/4	3,503.59	3/4	3,145.28	3/4	2,786.43	3/4	2,427.39	3/4	2,068.34
5		5	4,922.29	5	4,565.96	5	4,209.61	5	3,853.18	5	3,496.12	5	3,137.81	5	2,778.95	5	2,419.91	5	2,060.86
1/4		1/4	4,914.87	1/4	4,558.53	1/4	4,202.19	1/4	3,845.76	1/4	3,488.66	1/4	3,130.35	1/4	2,771.47	1/4	2,412.43	1/4	2,053.38
1/2		1/2	4,907.45	1/2	4,551.11	1/2	4,194.77	1/2	3,838.33	1/2	3,481.19	1/2	3,122.88	1/2	2,763.99	1/2	2,404.95	1/2	2,045.90
3/4		3/4	4,900.02	3/4	4,543.68	3/4	4,187.34	3/4	3,830.90	3/4	3,473.73	3/4	3,115.42	3/4	2,756.51	3/4	2,397.47	3/4	2,038.42
6		6	4,892.60	6	4,536.26	6	4,179.92	6	3,823.48	6	3,466.26	6	3,107.95	6	2,749.03	6	2,389.99	6	2,030.94
1/4		1/4	4,885.18	1/4	4,528.84	1/4	4,172.49	1/4	3,816.05	1/4	3,458.80	1/4	3,100.49	1/4	2,741.55	1/4	2,382.51	1/4	2,023.46
1/2		1/2	4,877.75	1/2	4,521.41	1/2	4,165.07	1/2	3,808.62	1/2	3,451.33	1/2	3,093.02	1/2	2,734.07	1/2	2,375.03	1/2	2,015.98
3/4		3/4	4,870.33	3/4	4,513.99	3/4	4,157.65	3/4	3,801.19	3/4	3,443.87	3/4	3,085.56	3/4	2,726.59	3/4	2,367.55	3/4	2,008.50
7		7	4,862.91	7	4,506.56	7	4,150.22	7	3,793.77	7	3,436.40	7	3,078.09	7	2,719.11	7	2,360.07	7	2,001.02
1/4		1/4	4,855.48	1/4	4,499.14	1/4	4,142.80	1/4	3,786.34	1/4	3,428.94	1/4	3,070.63	1/4	2,711.63	1/4	2,352.59	1/4	1,993.54
1/2		1/2	4,848.06	1/2	4,491.72	1/2	4,135.37	1/2	3,778.91	1/2	3,421.47	1/2	3,063.16	1/2	2,704.15	1/2	2,345.11	1/2	1,986.06
3/4		3/4	4,840.64	3/4	4,484.29	3/4	4,127.95	3/4	3,771.49	3/4	3,414.01	3/4	3,055.70	3/4	2,696.67	3/4	2,337.63	3/4	1,978.58
8		8	4,833.21	8	4,476.87	8	4,120.53	8	3,764.06	8	3,406.54	8	3,048.23	8	2,689.19	8	2,330.15	8	1,971.10
1/4		1/4	4,825.79	1/4	4,469.45	1/4	4,113.10	1/4	3,756.63	1/4	3,399.08	1/4	3,040.75	1/4	2,681.71	1/4	2,322.67	1/4	1,963.62
1/2		1/2	4,818.36	1/2	4,462.02	1/2	4,105.68	1/2	3,749.21	1/2	3,391.61	1/2	3,033.28	1/2	2,674.23	1/2	2,315.19	1/2	1,956.14
3/4		3/4	4,810.94	3/4	4,454.60	3/4	4,098.26	3/4	3,741.78	3/4	3,384.15	3/4	3,025.80	3/4	2,666.75	3/4	2,307.71	3/4	1,948.66
9		9	4,803.52	9	4,447.17	9	4,090.83	9	3,734.35	9	3,376.68	9	3,018.32	9	2,659.27	9	2,300.23	9	1,941.18
1/4		1/4	4,796.09	1/4	4,439.75	1/4	4,083.41	1/4	3,726.92	1/4	3,369.22	1/4	3,010.84	1/4	2,651.79	1/4	2,292.75	1/4	1,933.70
1/2		1/2	4,788.67	1/2	4,432.33	1/2	4,075.98	1/2	3,719.50	1/2	3,361.76	1/2	3,003.36	1/2	2,644.31	1/2	2,285.27	1/2	1,926.22
3/4		3/4	4,781.25	3/4	4,424.90	3/4	4,068.56	3/4	3,712.07	3/4	3,354.29	3/4	2,995.88	3/4	2,636.83	3/4	2,277.79	3/4	1,918.74
10		10	4,773.82	10	4,417.48	10	4,061.14	10	3,704.64	10	3,346.83	10	2,988.40	10	2,629.35	10	2,270.31	10	1,911.26
1/4		1/4	4,766.40	1/4	4,410.06	1/4	4,053.71	1/4	3,697.22	1/4	3,339.36	1/4	2,980.92	1/4	2,621.87	1/4	2,262.83	1/4	1,903.78
1/2		1/2	4,758.97	1/2	4,402.63	1/2	4,046.28	1/2	3,689.79	1/2	3,331.90	1/2	2,973.44	1/2	2,614.39	1/2	2,255.35	1/2	1,896.30
3/4		3/4	4,751.55	3/4	4,395.21	3/4	4,038.86	3/4	3,682.36	3/4	3,324.43	3/4	2,965.96	3/4	2,606.91	3/4	2,247.87	3/4	1,888.82
11		11	4,744.13	11	4,387.78	11	4,031.43	11	3,674.94	11	3,316.97	11	2,958.48	11	2,599.43	11	2,240.39	11	1,881.34
1/4		1/4	4,736.70	1/4	4,380.36	1/4	4,024.00	1/4	3,667.51	1/4	3,309.50	1/4	2,951.00	1/4	2,591.95	1/4	2,232.91	1/4	1,873.86
1/2		1/2	4,729.28	1/2	4,372.94	1/2	4,016.58	1/2	3,660.08	1/2	3,302.04	1/2	2,943.52	1/2	2,584.47	1/2	2,225.43	1/2	1,866.38
3/4		3/4	4,721.86	3/4	4,365.51	3/4	4,009.15	3/4	3,652.65	3/4	3,294.57	3/4	2,936.04	3/4	2,576.99	3/4	2,217.95	3/4	1,858.90

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 ONLY APPLIES TO ULLAGE GAUGES.

GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-06" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8" HATCH) LOCATED 12'-06" OFF CENTERLINE AND 40'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "PTC 1602"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03"

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	1,851.42	0	1,496.35	0	1,142.41	0	798.14	0	447.71	0	97.01	0		0		0		0	
1/4	1,843.94	1/4	1,488.87	1/4	1,135.28	1/4	790.66	1/4	440.54	1/4	89.75	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,836.46	1/2	1,481.39	1/2	1,128.16	1/2	783.18	1/2	433.38	1/2	82.50	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,828.98	3/4	1,473.91	3/4	1,121.04	3/4	775.70	3/4	426.21	3/4	75.24	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,821.50	1	1,466.43	1	1,113.91	1	768.22	1	419.04	1	67.98	1	1	1	1	1	1	1	1
1/4	1,814.14	1/4	1,458.95	1/4	1,106.79	1/4	760.74	1/4	411.87	1/4	61.25	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,806.79	1/2	1,451.47	1/2	1,099.67	1/2	753.26	1/2	404.70	1/2	54.52	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,799.43	3/4	1,443.99	3/4	1,092.54	3/4	745.78	3/4	397.54	3/4	47.79	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,792.08	2	1,436.51	2	1,085.42	2	738.30	2	390.37	2	41.06	2	2	2	2	2	2	2	2
1/4	1,784.76	1/4	1,429.03	1/4	1,078.30	1/4	730.82	1/4	383.20	1/4	35.92	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,777.45	1/2	1,421.54	1/2	1,071.18	1/2	723.34	1/2	376.03	1/2	30.78	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,770.14	3/4	1,414.06	3/4	1,064.06	3/4	715.85	3/4	368.87	3/4	25.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,762.82	3	1,406.58	3	1,056.94	3	708.37	3	361.70	3	20.49	3	3	3	3	3	3	3	3
1/4	1,755.51	1/4	1,399.10	1/4	1,049.83	1/4	700.90	1/4	354.53	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,748.20	1/2	1,391.62	1/2	1,042.71	1/2	693.42	1/2	347.37	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,740.88	3/4	1,384.14	3/4	1,035.59	3/4	685.94	3/4	340.20	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,733.57	4	1,376.66	4	1,028.47	4	678.46	4	333.04	4		4	4	4	4	4	4	4	4
1/4	1,726.26	1/4	1,369.18	1/4	1,021.35	1/4	671.10	1/4	325.88	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,718.94	1/2	1,361.70	1/2	1,014.23	1/2	663.75	1/2	318.71	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,711.63	3/4	1,354.22	3/4	1,007.11	3/4	656.39	3/4	311.55	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,704.31	5	1,346.74	5	1,000.00	5	649.03	5	304.39	5		5	5	5	5	5	5	5	5
1/4	1,697.00	1/4	1,339.26	1/4	992.88	1/4	641.83	1/4	297.00	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,689.69	1/2	1,331.78	1/2	985.76	1/2	634.63	1/2	289.60	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,682.37	3/4	1,324.29	3/4	978.64	3/4	627.43	3/4	282.20	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,675.06	6	1,316.81	6	971.52	6	620.23	6	274.81	6		6	6	6	6	6	6	6	6
1/4	1,667.75	1/4	1,309.33	1/4	964.40	1/4	613.07	1/4	267.33	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,660.43	1/2	1,301.85	1/2	957.28	1/2	605.91	1/2	259.86	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,653.12	3/4	1,294.37	3/4	950.16	3/4	598.75	3/4	252.39	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,645.80	7	1,286.89	7	943.05	7	591.59	7	244.91	7		7	7	7	7	7	7	7	7
1/4	1,638.36	1/4	1,279.41	1/4	935.93	1/4	584.43	1/4	237.44	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,630.93	1/2	1,271.93	1/2	928.81	1/2	577.27	1/2	229.97	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,623.49	3/4	1,264.45	3/4	921.69	3/4	570.11	3/4	222.49	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,616.05	8	1,256.97	8	914.57	8	562.95	8	215.02	8		8	8	8	8	8	8	8	8
1/4	1,608.56	1/4	1,249.49	1/4	907.45	1/4	555.78	1/4	207.54	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,601.08	1/2	1,242.51	1/2	900.33	1/2	548.62	1/2	200.07	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,593.60	3/4	1,235.28	3/4	893.22	3/4	541.46	3/4	192.60	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,586.12	9	1,228.04	9	886.10	9	534.30	9	185.12	9		9	9	9	9	9	9	9	9
1/4	1,578.64	1/4	1,220.90	1/4	878.98	1/4	527.14	1/4	177.65	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,571.16	1/2	1,213.75	1/2	871.86	1/2	519.98	1/2	170.18	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,563.68	3/4	1,206.60	3/4	864.74	3/4	512.82	3/4	162.70	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,556.20	10	1,199.45	10	857.62	10	505.66	10	155.23	10		10	10	10	10	10	10	10	10
1/4	1,548.72	1/4	1,192.32	1/4	850.23	1/4	498.38	1/4	147.87	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,541.24	1/2	1,185.19	1/2	842.84	1/2	491.10	1/2	140.51	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,533.76	3/4	1,178.05	3/4	835.45	3/4	483.82	3/4	133.15	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,526.28	11	1,170.92	11	828.06	11	476.54	11	125.80	11		11	11	11	11	11	11	11	11
1/4	1,518.80	1/4	1,163.79	1/4	820.58	1/4	469.33	1/4	118.60	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,511.31	1/2	1,156.66	1/2	813.10	1/2	462.12	1/2	111.40	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,503.83	3/4	1,149.54	3/4	805.62	3/4	454.92	3/4	104.20	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/14/2015 CL
CALCULATED: 12/15/2015 CL
PRINTED: 12/15/2015 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2015

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "PTC 1602"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03"

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	5,075.69	0	4,732.55	0	4,376.11	0	4,019.64	0	3,663.05	0	3,304.83	0	2,946.19	0	2,587.04	0	2,227.89
1/4		1/4	5,070.45	1/4	4,725.12	1/4	4,368.68	1/4	4,012.22	1/4	3,655.62	1/4	3,297.36	1/4	2,938.71	1/4	2,579.56	1/4	2,220.41
1/2		1/2	5,065.20	1/2	4,717.69	1/2	4,361.26	1/2	4,004.79	1/2	3,648.19	1/2	3,289.90	1/2	2,931.23	1/2	2,572.07	1/2	2,212.92
3/4		3/4	5,059.96	3/4	4,710.27	3/4	4,353.83	3/4	3,997.36	3/4	3,640.77	3/4	3,282.43	3/4	2,923.74	3/4	2,564.59	3/4	2,205.44
1		1	5,054.72	1	4,702.84	1	4,346.40	1	3,989.93	1	3,633.34	1	3,274.96	1	2,916.26	1	2,557.11	1	2,197.96
1/4		1/4	5,048.23	1/4	4,695.42	1/4	4,338.98	1/4	3,982.50	1/4	3,625.88	1/4	3,267.50	1/4	2,908.78	1/4	2,549.63	1/4	2,190.48
1/2		1/2	5,041.74	1/2	4,687.99	1/2	4,331.55	1/2	3,975.07	1/2	3,618.42	1/2	3,260.03	1/2	2,901.30	1/2	2,542.15	1/2	2,182.99
3/4		3/4	5,035.25	3/4	4,680.57	3/4	4,324.13	3/4	3,967.64	3/4	3,610.96	3/4	3,252.56	3/4	2,893.81	3/4	2,534.66	3/4	2,175.51
2		2	5,028.76	2	4,673.14	2	4,316.70	2	3,960.21	2	3,603.51	2	3,245.10	2	2,886.33	2	2,527.18	2	2,168.03
1/4		1/4	5,021.52	1/4	4,665.71	1/4	4,309.28	1/4	3,952.78	1/4	3,596.04	1/4	3,237.63	1/4	2,878.85	1/4	2,519.70	1/4	2,160.55
1/2		1/2	5,014.28	1/2	4,658.29	1/2	4,301.85	1/2	3,945.35	1/2	3,588.57	1/2	3,230.16	1/2	2,871.37	1/2	2,512.22	1/2	2,153.07
3/4		3/4	5,007.03	3/4	4,650.86	3/4	4,294.42	3/4	3,937.93	3/4	3,581.11	3/4	3,222.70	3/4	2,863.88	3/4	2,504.73	3/4	2,145.58
3		3	4,999.79	3	4,643.44	3	4,287.00	3	3,930.50	3	3,573.64	3	3,215.23	3	2,856.40	3	2,497.25	3	2,138.10
1/4		1/4	4,992.38	1/4	4,636.01	1/4	4,279.57	1/4	3,923.07	1/4	3,566.17	1/4	3,207.76	1/4	2,848.92	1/4	2,489.77	1/4	2,130.62
1/2		1/2	4,984.97	1/2	4,628.58	1/2	4,272.15	1/2	3,915.64	1/2	3,558.71	1/2	3,200.29	1/2	2,841.44	1/2	2,482.29	1/2	2,123.14
3/4		3/4	4,977.56	3/4	4,621.16	3/4	4,264.72	3/4	3,908.21	3/4	3,551.24	3/4	3,192.83	3/4	2,833.96	3/4	2,474.80	3/4	2,115.65
4		4	4,970.15	4	4,613.73	4	4,257.29	4	3,900.78	4	3,543.77	4	3,185.36	4	2,826.47	4	2,467.32	4	2,108.17
1/4		1/4	4,962.73	1/4	4,606.31	1/4	4,249.87	1/4	3,893.35	1/4	3,536.31	1/4	3,177.89	1/4	2,818.99	1/4	2,459.84	1/4	2,100.69
1/2		1/2	4,955.31	1/2	4,598.88	1/2	4,242.44	1/2	3,885.92	1/2	3,528.84	1/2	3,170.43	1/2	2,811.51	1/2	2,452.36	1/2	2,093.21
3/4		3/4	4,947.89	3/4	4,591.46	3/4	4,235.02	3/4	3,878.49	3/4	3,521.37	3/4	3,162.96	3/4	2,804.03	3/4	2,444.88	3/4	2,085.73
5		5	4,940.47	5	4,584.03	5	4,227.59	5	3,871.06	5	3,513.90	5	3,155.49	5	2,796.54	5	2,437.39	5	2,078.24
1/4		1/4	4,933.04	1/4	4,576.60	1/4	4,220.17	1/4	3,863.64	1/4	3,506.44	1/4	3,148.03	1/4	2,789.06	1/4	2,429.91	1/4	2,070.76
1/2		1/2	4,925.62	1/2	4,569.18	1/2	4,212.74	1/2	3,856.21	1/2	3,498.97	1/2	3,140.56	1/2	2,781.58	1/2	2,422.43	1/2	2,063.28
3/4		3/4	4,918.19	3/4	4,561.75	3/4	4,205.31	3/4	3,848.78	3/4	3,491.50	3/4	3,133.09	3/4	2,774.10	3/4	2,414.95	3/4	2,055.80
6		6	4,910.77	6	4,554.33	6	4,197.89	6	3,841.35	6	3,484.04	6	3,125.63	6	2,766.61	6	2,407.46	6	2,048.31
1/4		1/4	4,903.34	1/4	4,546.90	1/4	4,190.46	1/4	3,833.92	1/4	3,476.57	1/4	3,118.16	1/4	2,759.13	1/4	2,399.98	1/4	2,040.83
1/2		1/2	4,895.91	1/2	4,539.48	1/2	4,183.04	1/2	3,826.49	1/2	3,469.10	1/2	3,110.69	1/2	2,751.65	1/2	2,392.50	1/2	2,033.35
3/4		3/4	4,888.49	3/4	4,532.05	3/4	4,175.61	3/4	3,819.06	3/4	3,461.64	3/4	3,103.22	3/4	2,744.17	3/4	2,385.02	3/4	2,025.87
7		7	4,881.06	7	4,524.62	7	4,168.19	7	3,811.63	7	3,454.17	7	3,095.76	7	2,736.69	7	2,377.53	7	2,018.38
1/4		1/4	4,873.64	1/4	4,517.20	1/4	4,160.76	1/4	3,804.20	1/4	3,446.70	1/4	3,088.29	1/4	2,729.20	1/4	2,370.05	1/4	2,010.90
1/2		1/2	4,866.21	1/2	4,509.77	1/2	4,153.33	1/2	3,796.77	1/2	3,439.24	1/2	3,080.82	1/2	2,721.72	1/2	2,362.57	1/2	2,003.42
3/4		3/4	4,858.78	3/4	4,502.35	3/4	4,145.91	3/4	3,789.35	3/4	3,431.77	3/4	3,073.36	3/4	2,714.24	3/4	2,355.09	3/4	1,995.94
8		8	4,851.36	8	4,494.92	8	4,138.48	8	3,781.92	8	3,424.30	8	3,065.89	8	2,706.76	8	2,347.61	8	1,988.46
1/4		1/4	4,843.93	1/4	4,487.49	1/4	4,131.06	1/4	3,774.49	1/4	3,416.83	1/4	3,058.41	1/4	2,699.27	1/4	2,340.12	1/4	1,980.97
1/2		1/2	4,836.51	1/2	4,480.07	1/2	4,123.63	1/2	3,767.06	1/2	3,409.37	1/2	3,050.93	1/2	2,691.79	1/2	2,332.64	1/2	1,973.49
3/4		3/4	4,829.08	3/4	4,472.64	3/4	4,116.20	3/4	3,759.63	3/4	3,401.90	3/4	3,043.46	3/4	2,684.31	3/4	2,325.16	3/4	1,966.01
9		9	4,821.66	9	4,465.22	9	4,108.78	9	3,752.20	9	3,394.43	9	3,035.98	9	2,676.83	9	2,317.68	9	1,958.53
1/4		1/4	4,814.23	1/4	4,457.79	1/4	4,101.35	1/4	3,744.77	1/4	3,386.97	1/4	3,028.49	1/4	2,669.34	1/4	2,310.19	1/4	1,951.04
1/2		1/2	4,806.80	1/2	4,450.37	1/2	4,093.93	1/2	3,737.34	1/2	3,379.50	1/2	3,021.01	1/2	2,661.86	1/2	2,302.71	1/2	1,943.56
3/4		3/4	4,799.38	3/4	4,442.94	3/4	4,086.50	3/4	3,729.91	3/4	3,372.03	3/4	3,013.53	3/4	2,654.38	3/4	2,295.23	3/4	1,936.08
10		10	4,791.95	10	4,435.51	10	4,079.08	10	3,722.48	10	3,364.57	10	3,006.05	10	2,646.90	10	2,287.75	10	1,928.60
1/4		1/4	4,784.53	1/4	4,428.09	1/4	4,071.65	1/4	3,715.06	1/4	3,357.10	1/4	2,998.57	1/4	2,639.42	1/4	2,280.26	1/4	1,921.11
1/2		1/2	4,777.10	1/2	4,420.66	1/2	4,064.22	1/2	3,707.63	1/2	3,349.63	1/2	2,991.08	1/2	2,631.93	1/2	2,272.78	1/2	1,913.63
3/4		3/4	4,769.68	3/4	4,413.24	3/4	4,056.79	3/4	3,700.20	3/4	3,342.17	3/4	2,983.60	3/4	2,624.45	3/4	2,264.30	3/4	1,906.15
11		11	4,762.25	11	4,405.81	11	4,049.36	11	3,692.77	11	3,334.70	11	2,976.12	11	2,616.97	11	2,257.82	11	1,898.67
1/4		1/4	4,754.82	1/4	4,398.39	1/4	4,041.93	1/4	3,685.34	1/4	3,327.23	1/4	2,968.64	1/4	2,609.49	1/4	2,250.34	1/4	1,891.19
1/2		1/2	4,747.40	1/2	4,390.96	1/2	4,034.50	1/2	3,677.91	1/2	3,319.77	1/2	2,961.15	1/2	2,602.00	1/2	2,242.85	1/2	1,883.70
3/4		3/4	4,739.97	3/4	4,383.53	3/4	4,027.07	3/4	3,670.48	3/4	3,312.30	3/4	2,953.67	3/4	2,594.52	3/4	2,235.37	3/4	1,876.22

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 ONLY APPLIES TO ULLAGE GAUGES.

GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-06" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8" HATCH) LOCATED 12'-06" OFF CENTERLINE AND 40'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

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BARGE "PTC 1602"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-03"

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	1,868.74	0	1,513.58	0	1,156.38	0	798.34	0	447.82	0	97.03	0		0		0		0	
1/4	1,861.26	1/4	1,506.09	1/4	1,148.92	1/4	790.86	1/4	440.65	1/4	89.77	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,853.77	1/2	1,498.61	1/2	1,141.46	1/2	783.38	1/2	433.49	1/2	82.52	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,846.29	3/4	1,491.13	3/4	1,134.00	3/4	775.89	3/4	426.32	3/4	75.26	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,838.81	1	1,483.64	1	1,126.54	1	768.41	1	419.15	1	68.00	1	1	1	1	1	1	1	1
1/4	1,831.45	1/4	1,476.16	1/4	1,119.08	1/4	760.93	1/4	411.98	1/4	61.27	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,824.09	1/2	1,468.68	1/2	1,111.63	1/2	753.45	1/2	404.81	1/2	54.54	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,816.74	3/4	1,461.20	3/4	1,104.17	3/4	745.96	3/4	397.64	3/4	47.81	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,809.38	2	1,453.71	2	1,096.71	2	738.48	2	390.47	2	41.07	2	2	2	2	2	2	2	2
1/4	1,802.06	1/4	1,446.23	1/4	1,089.26	1/4	731.00	1/4	383.30	1/4	35.93	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,794.75	1/2	1,438.75	1/2	1,081.80	1/2	723.51	1/2	376.13	1/2	30.78	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,787.43	3/4	1,431.26	3/4	1,074.35	3/4	716.03	3/4	368.96	3/4	25.64	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,780.12	3	1,423.78	3	1,066.89	3	708.55	3	361.79	3	20.50	3	3	3	3	3	3	3	3
1/4	1,772.80	1/4	1,416.38	1/4	1,059.44	1/4	701.07	1/4	354.63	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,765.49	1/2	1,408.99	1/2	1,051.98	1/2	693.59	1/2	347.46	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,758.17	3/4	1,401.59	3/4	1,044.53	3/4	686.11	3/4	340.29	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,750.86	4	1,394.20	4	1,037.08	4	678.63	4	333.13	4		4	4	4	4	4	4	4	4
1/4	1,743.54	1/4	1,386.83	1/4	1,029.62	1/4	671.27	1/4	325.96	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,736.22	1/2	1,379.46	1/2	1,022.17	1/2	663.91	1/2	318.80	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,728.91	3/4	1,372.10	3/4	1,014.71	3/4	656.55	3/4	311.64	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,721.59	5	1,364.73	5	1,007.26	5	649.19	5	304.47	5		5	5	5	5	5	5	5	5
1/4	1,714.28	1/4	1,357.36	1/4	999.80	1/4	641.99	1/4	297.07	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,706.96	1/2	1,349.99	1/2	992.35	1/2	634.79	1/2	289.68	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,699.65	3/4	1,342.63	3/4	984.90	3/4	627.59	3/4	282.28	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,692.33	6	1,335.26	6	977.44	6	620.39	6	274.88	6		6	6	6	6	6	6	6	6
1/4	1,685.02	1/4	1,327.89	1/4	969.99	1/4	613.22	1/4	267.41	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,677.70	1/2	1,320.53	1/2	962.53	1/2	606.06	1/2	259.93	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,670.38	3/4	1,313.16	3/4	955.08	3/4	598.90	3/4	252.45	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,663.07	7	1,305.79	7	947.62	7	591.74	7	244.98	7		7	7	7	7	7	7	7	7
1/4	1,655.63	1/4	1,298.34	1/4	940.17	1/4	584.57	1/4	237.50	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,648.19	1/2	1,290.88	1/2	932.72	1/2	577.41	1/2	230.03	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,640.74	3/4	1,283.43	3/4	925.26	3/4	570.25	3/4	222.55	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,633.30	8	1,275.97	8	917.81	8	563.09	8	215.07	8		8	8	8	8	8	8	8	8
1/4	1,625.82	1/4	1,268.49	1/4	910.35	1/4	555.92	1/4	207.60	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,618.34	1/2	1,261.01	1/2	902.90	1/2	548.76	1/2	200.12	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,610.85	3/4	1,253.53	3/4	895.45	3/4	541.60	3/4	192.65	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,603.37	9	1,246.04	9	887.99	9	534.44	9	185.17	9		9	9	9	9	9	9	9	9
1/4	1,595.89	1/4	1,238.56	1/4	880.54	1/4	527.27	1/4	177.69	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,588.40	1/2	1,231.08	1/2	873.08	1/2	520.11	1/2	170.22	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,580.92	3/4	1,223.59	3/4	865.63	3/4	512.95	3/4	162.74	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,573.44	10	1,216.11	10	858.17	10	505.78	10	155.27	10		10	10	10	10	10	10	10	10
1/4	1,565.96	1/4	1,208.64	1/4	850.70	1/4	498.50	1/4	147.91	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,558.47	1/2	1,201.17	1/2	843.22	1/2	491.22	1/2	140.55	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,550.99	3/4	1,193.70	3/4	835.75	3/4	483.94	3/4	133.19	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,543.51	11	1,186.24	11	828.27	11	476.65	11	125.83	11		11	11	11	11	11	11	11	11
1/4	1,536.02	1/4	1,178.77	1/4	820.79	1/4	469.45	1/4	118.63	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,528.54	1/2	1,171.31	1/2	813.31	1/2	462.24	1/2	111.43	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,521.06	3/4	1,163.84	3/4	805.82	3/4	455.03	3/4	104.23	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/14/2015 CL
CALCULATED: 12/15/2015 CL
PRINTED: 12/15/2015 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2015

PRECISION MEASUREMENT
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BARGE "PTC 1602"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 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		0	4,075.64	0	3,951.56	0	3,818.63	0	3,685.70	0	3,553.11	0	3,231.35	0	2,877.17	0	2,522.51	0	2,167.84
1/4		1/4	4,075.03	1/4	3,948.79	1/4	3,815.86	1/4	3,682.93	1/4	3,550.36	1/4	3,223.98	1/4	2,869.78	1/4	2,515.12	1/4	2,160.46
1/2		1/2	4,074.42	1/2	3,946.02	1/2	3,813.09	1/2	3,680.16	1/2	3,547.60	1/2	3,216.60	1/2	2,862.39	1/2	2,507.73	1/2	2,153.07
3/4		3/4	4,072.58	3/4	3,943.25	3/4	3,810.32	3/4	3,677.40	3/4	3,544.81	3/4	3,209.23	3/4	2,855.00	3/4	2,500.34	3/4	2,145.68
1		1	4,070.74	1	3,940.48	1	3,807.55	1	3,674.63	1	3,542.03	1	3,201.86	1	2,847.61	1	2,492.95	1	2,138.29
1/4		1/4	4,068.90	1/4	3,937.71	1/4	3,804.78	1/4	3,671.86	1/4	3,539.24	1/4	3,194.48	1/4	2,840.23	1/4	2,485.56	1/4	2,130.90
1/2		1/2	4,067.05	1/2	3,934.94	1/2	3,802.01	1/2	3,669.09	1/2	3,536.46	1/2	3,187.11	1/2	2,832.84	1/2	2,478.17	1/2	2,123.51
3/4		3/4	4,064.46	3/4	3,932.17	3/4	3,799.24	3/4	3,666.32	3/4	3,530.23	3/4	3,179.74	3/4	2,825.45	3/4	2,470.79	3/4	2,116.12
2		2	4,061.88	2	3,929.40	2	3,796.48	2	3,663.55	2	3,524.00	2	3,172.36	2	2,818.06	2	2,463.40	2	2,108.73
1/4		1/4	4,059.29	1/4	3,926.63	1/4	3,793.71	1/4	3,660.78	1/4	3,517.77	1/4	3,164.99	1/4	2,810.67	1/4	2,456.01	1/4	2,101.35
1/2		1/2	4,056.70	1/2	3,923.86	1/2	3,790.94	1/2	3,658.01	1/2	3,515.54	1/2	3,157.62	1/2	2,803.28	1/2	2,448.62	1/2	2,093.96
3/4		3/4	4,053.95	3/4	3,921.09	3/4	3,788.17	3/4	3,655.24	3/4	3,504.17	3/4	3,150.24	3/4	2,795.89	3/4	2,441.23	3/4	2,086.57
3		3	4,051.19	3	3,918.32	3	3,785.40	3	3,652.47	3	3,496.80	3	3,142.87	3	2,788.50	3	2,433.84	3	2,079.19
1/4		1/4	4,048.44	1/4	3,915.56	1/4	3,782.63	1/4	3,649.70	1/4	3,489.42	1/4	3,135.50	1/4	2,781.12	1/4	2,426.45	1/4	2,071.81
1/2		1/2	4,045.69	1/2	3,912.79	1/2	3,779.86	1/2	3,646.93	1/2	3,482.05	1/2	3,128.12	1/2	2,773.73	1/2	2,419.06	1/2	2,064.42
3/4		3/4	4,042.92	3/4	3,910.02	3/4	3,777.09	3/4	3,644.16	3/4	3,474.68	3/4	3,120.75	3/4	2,766.34	3/4	2,411.68	3/4	2,057.04
4		4	4,040.16	4	3,907.25	4	3,774.32	4	3,641.39	4	3,467.30	4	3,113.37	4	2,758.95	4	2,404.29	4	2,049.66
1/4		1/4	4,037.39	1/4	3,904.48	1/4	3,771.55	1/4	3,638.63	1/4	3,459.93	1/4	3,106.00	1/4	2,751.56	1/4	2,396.90	1/4	2,042.28
1/2		1/2	4,034.62	1/2	3,901.71	1/2	3,768.78	1/2	3,635.86	1/2	3,452.56	1/2	3,098.63	1/2	2,744.17	1/2	2,389.51	1/2	2,034.90
3/4		3/4	4,031.86	3/4	3,898.94	3/4	3,766.01	3/4	3,633.10	3/4	3,445.18	3/4	3,091.25	3/4	2,736.78	3/4	2,382.12	3/4	2,027.52
5		5	4,029.09	5	3,896.17	5	3,763.24	5	3,630.33	5	3,437.81	5	3,083.88	5	2,729.39	5	2,374.73	5	2,020.14
1/4		1/4	4,026.32	1/4	3,893.40	1/4	3,760.47	1/4	3,627.57	1/4	3,430.44	1/4	3,076.51	1/4	2,722.00	1/4	2,367.34	1/4	2,012.76
1/2		1/2	4,023.56	1/2	3,890.63	1/2	3,757.71	1/2	3,624.81	1/2	3,423.06	1/2	3,069.13	1/2	2,714.62	1/2	2,359.95	1/2	2,005.38
3/4		3/4	4,020.79	3/4	3,887.86	3/4	3,754.94	3/4	3,622.05	3/4	3,415.69	3/4	3,061.76	3/4	2,707.23	3/4	2,352.56	3/4	1,997.99
6		6	4,018.02	6	3,885.09	6	3,752.17	6	3,619.30	6	3,408.31	6	3,054.39	6	2,699.84	6	2,345.18	6	1,990.61
1/4		1/4	4,015.25	1/4	3,882.32	1/4	3,749.40	1/4	3,616.54	1/4	3,400.94	1/4	3,047.01	1/4	2,692.45	1/4	2,337.79	1/4	1,983.23
1/2		1/2	4,012.48	1/2	3,879.55	1/2	3,746.63	1/2	3,613.78	1/2	3,393.57	1/2	3,039.64	1/2	2,685.06	1/2	2,330.40	1/2	1,975.85
3/4		3/4	4,009.71	3/4	3,876.79	3/4	3,743.86	3/4	3,611.02	3/4	3,386.19	3/4	3,032.27	3/4	2,677.67	3/4	2,323.01	3/4	1,968.47
7		7	4,006.94	7	3,874.02	7	3,741.09	7	3,608.27	7	3,378.82	7	3,024.89	7	2,670.28	7	2,315.62	7	1,961.09
1/4		1/4	4,004.17	1/4	3,871.25	1/4	3,738.32	1/4	3,605.51	1/4	3,371.45	1/4	3,017.52	1/4	2,662.89	1/4	2,308.23	1/4	1,953.71
1/2		1/2	4,001.40	1/2	3,868.48	1/2	3,735.55	1/2	3,602.75	1/2	3,364.07	1/2	3,010.15	1/2	2,655.51	1/2	2,300.84	1/2	1,946.33
3/4		3/4	3,998.63	3/4	3,865.71	3/4	3,732.78	3/4	3,599.99	3/4	3,356.70	3/4	3,002.76	3/4	2,648.12	3/4	2,293.45	3/4	1,938.95
8		8	3,995.87	8	3,862.94	8	3,730.01	8	3,597.24	8	3,349.33	8	2,995.38	8	2,640.73	8	2,286.07	8	1,931.57
1/4		1/4	3,993.10	1/4	3,860.17	1/4	3,727.24	1/4	3,594.48	1/4	3,341.95	1/4	2,988.00	1/4	2,633.34	1/4	2,278.68	1/4	1,924.18
1/2		1/2	3,990.33	1/2	3,857.40	1/2	3,724.47	1/2	3,591.72	1/2	3,334.58	1/2	2,980.61	1/2	2,625.95	1/2	2,271.29	1/2	1,916.80
3/4		3/4	3,987.56	3/4	3,854.63	3/4	3,721.70	3/4	3,588.96	3/4	3,327.21	3/4	2,973.22	3/4	2,618.56	3/4	2,263.90	3/4	1,909.42
9		9	3,984.79	9	3,851.86	9	3,718.94	9	3,586.21	9	3,319.83	9	2,965.84	9	2,611.17	9	2,256.51	9	1,902.04
1/4		1/4	3,982.02	1/4	3,849.09	1/4	3,716.17	1/4	3,583.45	1/4	3,312.46	1/4	2,958.45	1/4	2,603.78	1/4	2,249.12	1/4	1,894.66
1/2		1/2	3,979.25	1/2	3,846.32	1/2	3,713.40	1/2	3,580.69	1/2	3,305.09	1/2	2,951.06	1/2	2,596.40	1/2	2,241.73	1/2	1,887.28
3/4		3/4	3,976.48	3/4	3,843.55	3/4	3,710.63	3/4	3,577.93	3/4	3,297.71	3/4	2,943.67	3/4	2,589.01	3/4	2,234.34	3/4	1,879.90
10		10	3,973.71	10	3,840.78	10	3,707.86	10	3,575.18	10	3,290.34	10	2,936.28	10	2,581.62	10	2,226.96	10	1,872.52
1/4		1/4	3,970.94	1/4	3,838.01	1/4	3,705.09	1/4	3,572.42	1/4	3,282.97	1/4	2,928.89	1/4	2,574.23	1/4	2,219.57	1/4	1,865.14
1/2		1/2	3,968.17	1/2	3,835.25	1/2	3,702.32	1/2	3,569.66	1/2	3,275.59	1/2	2,921.50	1/2	2,566.84	1/2	2,212.18	1/2	1,857.76
3/4		3/4	3,965.40	3/4	3,832.48	3/4	3,699.55	3/4	3,566.90	3/4	3,268.22	3/4	2,914.11	3/4	2,559.45	3/4	2,204.79	3/4	1,850.37
11		11	3,962.63	11	3,829.71	11	3,696.78	11	3,564.15	11	3,260.84	11	2,906.72	11	2,552.06	11	2,197.40	11	1,842.99
1/4		1/4	3,959.86	1/4	3,826.94	1/4	3,694.01	1/4	3,561.39	1/4	3,253.47	1/4	2,899.34	1/4	2,544.67	1/4	2,190.01	1/4	1,835.61
1/2	4,076.86	1/2	3,957.09	1/2	3,824.17	1/2	3,691.24	1/2	3,558.63	1/2	3,246.10	1/2	2,891.95	1/2	2,537.28	1/2	2,182.62	1/2	1,828.23
3/4	4,076.25	3/4	3,954.33	3/4	3,821.40	3/4	3,688.47	3/4	3,555.87	3/4	3,238.72	3/4	2,884.56	3/4	2,529.90	3/4	2,175.23	3/4	1,820.85

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 ONLY APPLIES TO ULLAGE GAUGES.

GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-06" OFF CENTERLINE AND 58'-09" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8" HATCH) LOCATED 12'-06" OFF CENTERLINE AND 60'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "PTC 1602"

**3 PORT
ULLAGETABLE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 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	1,813.47	0	1,462.76	0	1,114.41	0	774.44	0	428.87	0	81.65	0		0		0		0	
1/4	1,806.09	1/4	1,455.38	1/4	1,107.39	1/4	767.04	1/4	421.79	1/4	74.47	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,798.71	1/2	1,447.99	1/2	1,100.38	1/2	759.65	1/2	414.71	1/2	67.29	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,791.44	3/4	1,440.61	3/4	1,093.36	3/4	752.26	3/4	407.62	3/4	60.63	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,784.17	1	1,433.23	1	1,086.35	1	744.87	1	400.53	1	53.97	1		1		1		1	
1/4	1,776.90	1/4	1,425.85	1/4	1,079.33	1/4	737.47	1/4	393.44	1/4	47.31	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,769.63	1/2	1,418.46	1/2	1,072.32	1/2	730.08	1/2	386.35	1/2	40.65	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,762.40	3/4	1,411.08	3/4	1,065.31	3/4	722.69	3/4	379.26	3/4	35.56	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,755.17	2	1,403.70	2	1,058.30	2	715.30	2	372.16	2	30.47	2		2		2		2	
1/4	1,747.94	1/4	1,396.32	1/4	1,051.28	1/4	707.90	1/4	365.07	1/4	25.38	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,740.71	1/2	1,388.93	1/2	1,044.27	1/2	700.51	1/2	357.98	1/2	20.28	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,733.48	3/4	1,381.55	3/4	1,037.26	3/4	693.12	3/4	350.89	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,726.25	3	1,374.17	3	1,030.25	3	685.74	3	343.80	3		3		3		3		3	
1/4	1,719.02	1/4	1,366.79	1/4	1,023.24	1/4	678.35	1/4	336.71	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,711.79	1/2	1,359.40	1/2	1,016.23	1/2	670.96	1/2	329.62	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,704.56	3/4	1,352.02	3/4	1,009.22	3/4	663.69	3/4	322.53	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,697.33	4	1,344.64	4	1,002.21	4	656.43	4	315.44	4		4		4		4		4	
1/4	1,690.10	1/4	1,337.25	1/4	995.20	1/4	649.16	1/4	308.35	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,682.87	1/2	1,329.87	1/2	988.19	1/2	641.89	1/2	301.27	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,675.64	3/4	1,322.49	3/4	981.18	3/4	634.78	3/4	293.95	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,668.41	5	1,315.11	5	974.17	5	627.67	5	286.63	5		5		5		5		5	
1/4	1,661.18	1/4	1,307.72	1/4	967.16	1/4	620.56	1/4	279.31	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,653.95	1/2	1,300.34	1/2	960.15	1/2	613.45	1/2	271.99	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,646.72	3/4	1,292.96	3/4	953.14	3/4	606.38	3/4	264.59	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,639.49	6	1,285.58	6	946.12	6	599.31	6	257.19	6		6		6		6		6	
1/4	1,632.25	1/4	1,278.19	1/4	939.11	1/4	592.23	1/4	249.80	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,625.02	1/2	1,270.81	1/2	932.10	1/2	585.16	1/2	242.40	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,617.68	3/4	1,263.43	3/4	925.09	3/4	578.09	3/4	235.00	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,610.34	7	1,256.05	7	918.08	7	571.02	7	227.61	7		7		7		7		7	
1/4	1,602.99	1/4	1,248.66	1/4	911.07	1/4	563.95	1/4	220.21	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,595.65	1/2	1,241.28	1/2	904.06	1/2	556.87	1/2	212.81	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,588.26	3/4	1,234.16	3/4	897.05	3/4	549.80	3/4	205.41	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,580.88	8	1,227.03	8	890.04	8	542.73	8	198.02	8		8		8		8		8	
1/4	1,573.50	1/4	1,219.91	1/4	883.03	1/4	535.66	1/4	190.62	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,566.12	1/2	1,212.78	1/2	876.02	1/2	528.59	1/2	183.22	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,558.73	3/4	1,205.74	3/4	869.01	3/4	521.51	3/4	175.83	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,551.35	9	1,198.70	9	862.00	9	514.44	9	168.43	9		9		9		9		9	
1/4	1,543.97	1/4	1,191.66	1/4	854.99	1/4	507.37	1/4	161.03	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,536.59	1/2	1,184.62	1/2	847.98	1/2	500.29	1/2	153.63	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,529.20	3/4	1,177.60	3/4	840.68	3/4	493.10	3/4	146.35	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,521.82	10	1,170.57	10	833.38	10	485.90	10	139.07	10		10		10		10		10	
1/4	1,514.44	1/4	1,163.55	1/4	826.09	1/4	478.71	1/4	131.79	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,507.05	1/2	1,156.52	1/2	818.79	1/2	471.52	1/2	124.50	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,499.67	3/4	1,149.50	3/4	811.40	3/4	464.40	3/4	117.38	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,492.29	11	1,142.48	11	804.00	11	457.28	11	110.26	11		11		11		11		11	
1/4	1,484.91	1/4	1,135.46	1/4	796.61	1/4	450.16	1/4	103.14	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,477.52	1/2	1,128.44	1/2	789.22	1/2	443.04	1/2	96.01	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,470.14	3/4	1,121.43	3/4	781.83	3/4	435.96	3/4	88.83	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/14/2015 CL
CALCULATED: 12/15/2015 CL
PRINTED: 12/15/2015 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2015

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "PTC 1602"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 3/4"

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	4,121.36	0	3,998.99	0	3,865.57	0	3,732.12	0	3,598.59	0	3,279.30	0	2,922.78	0	2,565.77	0	2,208.77
1/4		1/4	4,120.75	1/4	3,996.21	1/4	3,862.79	1/4	3,729.33	1/4	3,595.80	1/4	3,271.87	1/4	2,915.35	1/4	2,558.34	1/4	2,201.33
1/2		1/2	4,120.14	1/2	3,993.43	1/2	3,860.01	1/2	3,726.55	1/2	3,593.02	1/2	3,264.45	1/2	2,907.91	1/2	2,550.90	1/2	2,193.89
3/4		3/4	4,119.53	3/4	3,990.65	3/4	3,857.23	3/4	3,723.77	3/4	3,590.24	3/4	3,257.03	3/4	2,900.47	3/4	2,543.46	3/4	2,186.45
1		1	4,117.68	1	3,987.87	1	3,854.45	1	3,720.98	1	3,587.43	1	3,249.61	1	2,893.03	1	2,536.02	1	2,179.03
1/4		1/4	4,115.84	1/4	3,985.09	1/4	3,851.67	1/4	3,718.20	1/4	3,584.62	1/4	3,242.18	1/4	2,885.60	1/4	2,528.59	1/4	2,171.61
1/2		1/2	4,113.99	1/2	3,982.31	1/2	3,848.89	1/2	3,715.42	1/2	3,581.81	1/2	3,234.76	1/2	2,878.16	1/2	2,521.15	1/2	2,164.20
3/4		3/4	4,112.14	3/4	3,979.53	3/4	3,846.11	3/4	3,712.63	3/4	3,579.00	3/4	3,227.34	3/4	2,870.72	3/4	2,513.71	3/4	2,156.78
2		2	4,109.54	2	3,976.75	2	3,843.33	2	3,709.85	2	3,572.73	2	3,219.92	2	2,863.28	2	2,506.27	2	2,149.37
1/4		1/4	4,106.94	1/4	3,973.97	1/4	3,840.55	1/4	3,707.07	1/4	3,566.46	1/4	3,212.49	1/4	2,855.84	1/4	2,498.84	1/4	2,141.95
1/2		1/2	4,104.35	1/2	3,971.19	1/2	3,837.77	1/2	3,704.29	1/2	3,560.19	1/2	3,205.07	1/2	2,848.41	1/2	2,491.40	1/2	2,134.54
3/4		3/4	4,101.75	3/4	3,968.42	3/4	3,834.99	3/4	3,701.50	3/4	3,553.92	3/4	3,197.65	3/4	2,840.97	3/4	2,483.96	3/4	2,127.13
3		3	4,098.99	3	3,965.64	3	3,832.21	3	3,698.72	3	3,546.50	3	3,190.23	3	2,833.53	3	2,476.52	3	2,119.72
1/4		1/4	4,096.22	1/4	3,962.86	1/4	3,829.43	1/4	3,695.94	1/4	3,539.08	1/4	3,182.81	1/4	2,826.09	1/4	2,469.08	1/4	2,112.30
1/2		1/2	4,093.46	1/2	3,960.08	1/2	3,826.65	1/2	3,693.16	1/2	3,531.65	1/2	3,175.38	1/2	2,818.66	1/2	2,461.65	1/2	2,104.89
3/4		3/4	4,090.70	3/4	3,957.30	3/4	3,823.87	3/4	3,690.37	3/4	3,524.23	3/4	3,167.96	3/4	2,811.22	3/4	2,454.21	3/4	2,097.48
4		4	4,087.92	4	3,954.52	4	3,821.09	4	3,687.59	4	3,516.81	4	3,160.54	4	2,803.78	4	2,446.77	4	2,090.07
1/4		1/4	4,085.15	1/4	3,951.74	1/4	3,818.31	1/4	3,684.81	1/4	3,509.39	1/4	3,153.12	1/4	2,796.34	1/4	2,439.33	1/4	2,082.66
1/2		1/2	4,082.37	1/2	3,948.96	1/2	3,815.53	1/2	3,682.03	1/2	3,501.96	1/2	3,145.69	1/2	2,788.91	1/2	2,431.90	1/2	2,075.24
3/4		3/4	4,079.60	3/4	3,946.18	3/4	3,812.75	3/4	3,679.25	3/4	3,494.54	3/4	3,138.27	3/4	2,781.47	3/4	2,424.46	3/4	2,067.83
5		5	4,076.82	5	3,943.40	5	3,809.97	5	3,676.46	5	3,487.12	5	3,130.85	5	2,774.03	5	2,417.02	5	2,060.42
1/4		1/4	4,074.04	1/4	3,940.62	1/4	3,807.19	1/4	3,673.68	1/4	3,479.70	1/4	3,123.43	1/4	2,766.59	1/4	2,409.58	1/4	2,053.01
1/2		1/2	4,071.26	1/2	3,937.84	1/2	3,804.41	1/2	3,670.90	1/2	3,472.28	1/2	3,116.00	1/2	2,759.15	1/2	2,402.15	1/2	2,045.59
3/4		3/4	4,068.48	3/4	3,935.06	3/4	3,801.63	3/4	3,668.12	3/4	3,464.85	3/4	3,108.58	3/4	2,751.72	3/4	2,394.71	3/4	2,038.18
6		6	4,065.70	6	3,932.28	6	3,798.85	6	3,665.34	6	3,457.43	6	3,101.16	6	2,744.28	6	2,387.27	6	2,030.77
1/4		1/4	4,062.93	1/4	3,929.50	1/4	3,796.07	1/4	3,662.55	1/4	3,450.01	1/4	3,093.74	1/4	2,736.84	1/4	2,379.83	1/4	2,023.36
1/2		1/2	4,060.15	1/2	3,926.72	1/2	3,793.29	1/2	3,659.77	1/2	3,442.59	1/2	3,086.32	1/2	2,729.40	1/2	2,372.39	1/2	2,015.95
3/4		3/4	4,057.37	3/4	3,923.94	3/4	3,790.51	3/4	3,656.99	3/4	3,435.16	3/4	3,078.89	3/4	2,721.97	3/4	2,364.96	3/4	2,008.53
7		7	4,054.59	7	3,921.16	7	3,787.73	7	3,654.21	7	3,427.74	7	3,071.47	7	2,714.53	7	2,357.52	7	2,001.10
1/4		1/4	4,051.81	1/4	3,918.38	1/4	3,784.96	1/4	3,651.43	1/4	3,420.32	1/4	3,064.05	1/4	2,707.09	1/4	2,350.08	1/4	1,993.67
1/2		1/2	4,049.03	1/2	3,915.60	1/2	3,782.18	1/2	3,648.65	1/2	3,412.90	1/2	3,056.63	1/2	2,699.65	1/2	2,342.64	1/2	1,986.24
3/4		3/4	4,046.25	3/4	3,912.82	3/4	3,779.40	3/4	3,645.86	3/4	3,405.47	3/4	3,049.20	3/4	2,692.22	3/4	2,335.21	3/4	1,978.81
8		8	4,043.47	8	3,910.04	8	3,776.62	8	3,643.08	8	3,398.05	8	3,041.77	8	2,684.78	8	2,327.77	8	1,971.37
1/4		1/4	4,040.69	1/4	3,907.26	1/4	3,773.84	1/4	3,640.30	1/4	3,390.63	1/4	3,034.34	1/4	2,677.34	1/4	2,320.33	1/4	1,963.93
1/2		1/2	4,037.91	1/2	3,904.48	1/2	3,771.06	1/2	3,637.52	1/2	3,383.21	1/2	3,026.91	1/2	2,669.90	1/2	2,312.89	1/2	1,956.49
3/4		3/4	4,035.13	3/4	3,901.70	3/4	3,768.28	3/4	3,634.74	3/4	3,375.79	3/4	3,019.47	3/4	2,662.46	3/4	2,305.46	3/4	1,949.05
9		9	4,032.35	9	3,898.92	9	3,765.50	9	3,631.96	9	3,368.36	9	3,012.04	9	2,655.03	9	2,298.02	9	1,941.61
1/4		1/4	4,029.57	1/4	3,896.14	1/4	3,762.72	1/4	3,629.18	1/4	3,360.94	1/4	3,004.60	1/4	2,647.59	1/4	2,290.58	1/4	1,934.18
1/2		1/2	4,026.79	1/2	3,893.36	1/2	3,759.94	1/2	3,626.40	1/2	3,353.52	1/2	2,997.16	1/2	2,640.15	1/2	2,283.14	1/2	1,926.74
3/4		3/4	4,024.01	3/4	3,890.58	3/4	3,757.16	3/4	3,623.62	3/4	3,346.10	3/4	2,989.72	3/4	2,632.71	3/4	2,275.70	3/4	1,919.30
10		10	4,021.23	10	3,887.80	10	3,754.38	10	3,620.83	10	3,338.67	10	2,982.29	10	2,625.28	10	2,268.27	10	1,911.86
1/4		1/4	4,018.45	1/4	3,885.02	1/4	3,751.59	1/4	3,618.05	1/4	3,331.25	1/4	2,974.85	1/4	2,617.84	1/4	2,260.83	1/4	1,904.42
1/2		1/2	4,015.67	1/2	3,882.24	1/2	3,748.81	1/2	3,615.27	1/2	3,323.83	1/2	2,967.41	1/2	2,610.40	1/2	2,253.39	1/2	1,896.98
3/4		3/4	4,012.89	3/4	3,879.46	3/4	3,746.03	3/4	3,612.49	3/4	3,316.41	3/4	2,959.97	3/4	2,602.96	3/4	2,245.95	3/4	1,889.54
11		11	4,010.11	11	3,876.69	11	3,743.25	11	3,609.71	11	3,308.98	11	2,952.54	11	2,595.53	11	2,238.52	11	1,882.10
1/4		1/4	4,007.33	1/4	3,873.91	1/4	3,740.46	1/4	3,606.93	1/4	3,301.56	1/4	2,945.10	1/4	2,588.09	1/4	2,231.08	1/4	1,874.67
1/2		1/2	4,004.55	1/2	3,871.13	1/2	3,737.68	1/2	3,604.15	1/2	3,294.14	1/2	2,937.66	1/2	2,580.65	1/2	2,223.64	1/2	1,867.23
3/4		3/4	4,001.77	3/4	3,868.35	3/4	3,734.90	3/4	3,601.37	3/4	3,286.72	3/4	2,930.22	3/4	2,573.21	3/4	2,216.20	3/4	1,859.79

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 ONLY APPLIES TO ULLAGE GAUGES.

GAUGE POINT: (HERMETIC - 2" VALVE) LOCATED 12'-06" OFF CENTERLINE AND 58'-09" FORWARD OF AFT BULKHEAD.

GAUGE POINT: (8" HATCH) LOCATED 12'-06" OFF CENTERLINE AND 60'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>





BARGE "PTC 1602"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 15'-02 3/4"

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	1,852.35	0	1,499.26	0	1,142.29	0	786.29	0	438.11	0	89.27	0		0		0		0	
1/4	1,844.91	1/4	1,491.82	1/4	1,134.88	1/4	778.85	1/4	430.99	1/4	82.05	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,837.47	1/2	1,484.38	1/2	1,127.46	1/2	771.41	1/2	423.86	1/2	74.84	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,830.03	3/4	1,476.94	3/4	1,120.04	3/4	763.97	3/4	416.73	3/4	67.62	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1,822.72	1	1,469.50	1	1,112.63	1	756.53	1	409.60	1	60.93	1	1	1	1	1	1	1	1
1/4	1,815.41	1/4	1,462.06	1/4	1,105.21	1/4	749.09	1/4	402.48	1/4	54.23	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,808.09	1/2	1,454.62	1/2	1,097.80	1/2	741.65	1/2	395.35	1/2	47.54	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,800.78	3/4	1,447.18	3/4	1,090.38	3/4	734.21	3/4	388.22	3/4	40.85	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	1,793.51	2	1,439.74	2	1,082.97	2	726.77	2	381.09	2	35.73	2	2	2	2	2	2	2	2
1/4	1,786.23	1/4	1,432.30	1/4	1,075.56	1/4	719.33	1/4	373.97	1/4	30.62	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,778.96	1/2	1,424.86	1/2	1,068.15	1/2	711.89	1/2	366.84	1/2	25.50	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,771.69	3/4	1,417.42	3/4	1,060.73	3/4	704.45	3/4	359.71	3/4	20.38	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	1,764.42	3	1,409.98	3	1,053.32	3	697.01	3	352.59	3		3	3	3	3	3	3	3	3
1/4	1,757.15	1/4	1,402.54	1/4	1,045.91	1/4	689.57	1/4	345.46	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,749.87	1/2	1,395.10	1/2	1,038.50	1/2	682.13	1/2	338.34	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,742.60	3/4	1,387.66	3/4	1,031.09	3/4	674.70	3/4	331.21	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	1,735.33	4	1,380.22	4	1,023.68	4	667.38	4	324.09	4		4	4	4	4	4	4	4	4
1/4	1,728.06	1/4	1,372.78	1/4	1,016.27	1/4	660.06	1/4	316.97	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,720.79	1/2	1,365.34	1/2	1,008.85	1/2	652.75	1/2	309.85	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,713.51	3/4	1,357.90	3/4	1,001.44	3/4	645.43	3/4	302.73	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	1,706.24	5	1,350.46	5	994.03	5	638.27	5	295.37	5		5	5	5	5	5	5	5	5
1/4	1,698.97	1/4	1,343.02	1/4	986.62	1/4	631.11	1/4	288.02	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,691.70	1/2	1,335.58	1/2	979.21	1/2	623.95	1/2	280.66	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,684.43	3/4	1,328.14	3/4	971.80	3/4	616.79	3/4	273.31	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	1,677.15	6	1,320.70	6	964.39	6	609.67	6	265.88	6		6	6	6	6	6	6	6	6
1/4	1,669.88	1/4	1,313.26	1/4	956.97	1/4	602.55	1/4	258.44	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,662.61	1/2	1,305.82	1/2	949.56	1/2	595.43	1/2	251.01	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,655.34	3/4	1,298.38	3/4	942.15	3/4	588.31	3/4	243.58	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	1,647.94	7	1,290.94	7	934.74	7	581.19	7	236.14	7		7	7	7	7	7	7	7	7
1/4	1,640.54	1/4	1,283.50	1/4	927.33	1/4	574.07	1/4	228.71	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,633.14	1/2	1,276.06	1/2	919.92	1/2	566.95	1/2	221.28	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,625.74	3/4	1,268.62	3/4	912.51	3/4	559.83	3/4	213.84	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	1,618.30	8	1,261.18	8	905.09	8	552.71	8	206.41	8		8	8	8	8	8	8	8	8
1/4	1,610.86	1/4	1,253.74	1/4	897.68	1/4	545.59	1/4	198.98	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,603.42	1/2	1,246.30	1/2	890.27	1/2	538.47	1/2	191.54	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,595.98	3/4	1,238.86	3/4	882.86	3/4	531.35	3/4	184.11	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	1,588.54	9	1,231.42	9	875.45	9	524.23	9	176.68	9		9	9	9	9	9	9	9	9
1/4	1,581.10	1/4	1,223.98	1/4	868.04	1/4	517.10	1/4	169.25	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,573.66	1/2	1,216.54	1/2	860.63	1/2	509.98	1/2	161.81	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,566.22	3/4	1,209.10	3/4	853.21	3/4	502.86	3/4	154.38	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	1,558.78	10	1,201.67	10	845.78	10	495.62	10	147.06	10		10	10	10	10	10	10	10	10
1/4	1,551.34	1/4	1,194.25	1/4	838.35	1/4	488.38	1/4	139.74	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,543.90	1/2	1,186.82	1/2	830.92	1/2	481.14	1/2	132.43	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,536.46	3/4	1,179.39	3/4	823.49	3/4	473.90	3/4	125.11	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	1,529.02	11	1,171.97	11	816.05	11	466.74	11	117.95	11		11	11	11	11	11	11	11	11
1/4	1,521.58	1/4	1,164.55	1/4	808.61	1/4	459.57	1/4	110.79	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1,514.14	1/2	1,157.13	1/2	801.17	1/2	452.41	1/2	103.64	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	1,506.70	3/4	1,149.71	3/4	793.73	3/4	445.24	3/4	96.48	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/14/2015 CL
CALCULATED: 12/15/2015 CL
PRINTED: 12/15/2015 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2015

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