



# BARGE "KIRBY 29107"

## ULLAGE 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	00-1/4	- 00-1/4	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2	01-3/4	- 01-3/4
1 STBD	00-1/4	- 00-1/4	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2	01-3/4	- 01-3/4
2 PORT	00-3/8	- 00-3/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-1/8	- 02-1/8	02-1/2	- 02-1/2
2 STBD	00-3/8	- 00-3/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-1/8	- 02-1/8	02-1/2	- 02-1/2
3 PORT	00-3/8	- 00-3/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-0/8	- 02-0/8	02-1/2	- 02-1/2
3 STBD	00-3/8	- 00-3/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-5/8	- 01-5/8	02-0/8	- 02-0/8	02-1/2	- 02-1/2

(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 - 00-5/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 3/8"

LENGTH BETWEEN DRAFT MARKS: 261'-00"

July 13, 2023

**PRECISION MEASUREMENT  
& ANALYSIS, INC.**

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 29107"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	4,947.15	0	4,613.48	0	4,274.36	0	3,918.76	0	3,547.31	0	3,171.25	0	2,793.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,941.78	1/4	4,606.60	1/4	4,267.13	1/4	3,911.19	1/4	3,539.48	1/4	3,163.38	1/4	2,785.82
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,935.11	1/2	4,599.68	1/2	4,259.87	1/2	3,903.58	1/2	3,531.65	1/2	3,155.52	1/2	2,777.96
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,928.44	3/4	4,592.77	3/4	4,252.61	3/4	3,895.98	3/4	3,523.82	3/4	3,147.65	3/4	2,770.09
1	1	1	1	1	1	1	4,921.77	1	4,585.86	1	4,245.36	1	3,888.37	1	3,515.99	1	3,139.79	1	2,762.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,915.10	1/4	4,578.95	1/4	4,238.10	1/4	3,880.77	1/4	3,508.15	1/4	3,131.92	1/4	2,754.36
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,907.50	1/2	4,572.00	1/2	4,230.82	1/2	3,873.14	1/2	3,500.32	1/2	3,124.05	1/2	2,746.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,899.90	3/4	4,565.06	3/4	4,223.53	3/4	3,865.51	3/4	3,492.49	3/4	3,116.19	3/4	2,738.63
2	2	2	2	2	2	2	4,892.29	2	4,558.12	2	4,216.25	2	3,857.88	2	3,484.66	2	3,108.32	2	2,730.76
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,884.69	1/4	4,551.18	1/4	4,208.96	1/4	3,850.25	1/4	3,476.83	1/4	3,100.46	1/4	2,722.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,876.86	1/2	4,544.21	1/2	4,201.65	1/2	3,842.60	1/2	3,469.00	1/2	3,092.59	1/2	2,715.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,869.03	3/4	4,537.24	3/4	4,194.33	3/4	3,834.94	3/4	3,461.17	3/4	3,084.73	3/4	2,707.16
3	3	3	3	3	3	3	4,861.20	3	4,530.27	3	4,187.02	3	3,827.28	3	3,453.34	3	3,076.86	3	2,699.30
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,853.37	1/4	4,523.30	1/4	4,179.70	1/4	3,819.63	1/4	3,445.51	1/4	3,068.99	1/4	2,691.43
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,845.97	1/2	4,516.30	1/2	4,172.36	1/2	3,811.94	1/2	3,437.67	1/2	3,061.13	1/2	2,683.56
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,838.57	3/4	4,509.30	3/4	4,165.02	3/4	3,804.25	3/4	3,429.84	3/4	3,053.26	3/4	2,675.70
4	4	4	4	4	4	4	4,831.17	4	4,502.30	4	4,157.68	4	3,796.57	4	3,422.01	4	3,045.40	4	2,667.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,823.77	1/4	4,495.30	1/4	4,150.33	1/4	3,788.88	1/4	3,414.18	1/4	3,037.53	1/4	2,659.97
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,817.09	1/2	4,488.27	1/2	4,142.96	1/2	3,781.16	1/2	3,406.35	1/2	3,029.66	1/2	2,652.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,810.40	3/4	4,481.24	3/4	4,135.59	3/4	3,773.45	3/4	3,398.52	3/4	3,021.80	3/4	2,644.24
5	5	5	5	5	5	5	4,803.72	5	4,474.21	5	4,128.22	5	3,765.74	5	3,390.69	5	3,013.93	5	2,636.37
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,797.03	1/4	4,467.18	1/4	4,120.85	1/4	3,758.02	1/4	3,382.86	1/4	3,006.07	1/4	2,628.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,790.32	1/2	4,460.13	1/2	4,113.45	1/2	3,750.28	1/2	3,375.03	1/2	2,998.20	1/2	2,620.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,783.60	3/4	4,453.07	3/4	4,106.05	3/4	3,742.53	3/4	3,367.20	3/4	2,990.33	3/4	2,612.77
6	6	6	6	6	6	6	4,776.89	6	4,446.01	6	4,098.64	6	3,734.79	6	3,359.36	6	2,982.47	6	2,604.91
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,770.18	1/4	4,438.95	1/4	4,091.24	1/4	3,727.04	1/4	3,351.53	1/4	2,974.60	1/4	2,597.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,763.43	1/2	4,431.87	1/2	4,083.81	1/2	3,719.27	1/2	3,343.70	1/2	2,966.74	1/2	2,589.17
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,756.69	3/4	4,424.78	3/4	4,076.38	3/4	3,711.50	3/4	3,335.87	3/4	2,958.87	3/4	2,581.31
7	7	7	7	7	7	7	4,749.94	7	4,417.69	7	4,068.95	7	3,703.73	7	3,328.04	7	2,951.01	7	2,573.44
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,743.20	1/4	4,410.61	1/4	4,061.52	1/4	3,695.95	1/4	3,320.21	1/4	2,943.14	1/4	2,565.58
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,736.43	1/2	4,403.49	1/2	4,054.07	1/2	3,688.15	1/2	3,312.38	1/2	2,935.27	1/2	2,557.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,729.65	3/4	4,396.38	3/4	4,046.61	3/4	3,680.35	3/4	3,304.55	3/4	2,927.41	3/4	2,549.84
8	8	8	8	8	8	8	4,722.88	8	4,389.26	8	4,039.15	8	3,672.55	8	3,296.72	8	2,919.54	8	2,541.98
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,716.11	1/4	4,382.14	1/4	4,031.69	1/4	3,664.75	1/4	3,288.88	1/4	2,911.68	1/4	2,534.11
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,709.31	1/2	4,375.00	1/2	4,024.20	1/2	3,656.92	1/2	3,281.05	1/2	2,903.81	1/2	2,526.25
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,702.50	3/4	4,367.86	3/4	4,016.72	3/4	3,649.10	3/4	3,273.22	3/4	2,895.94	3/4	2,518.38
9	9	9	9	9	9	9	4,695.70	9	4,360.71	9	4,009.23	9	3,641.28	9	3,265.39	9	2,888.08	9	2,510.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,688.90	1/4	4,353.57	1/4	4,001.74	1/4	3,633.45	1/4	3,257.56	1/4	2,880.21	1/4	2,502.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,682.07	1/2	4,346.39	1/2	3,994.22	1/2	3,625.62	1/2	3,249.73	1/2	2,872.35	1/2	2,494.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,675.24	3/4	4,339.22	3/4	3,986.71	3/4	3,617.79	3/4	3,241.90	3/4	2,864.48	3/4	2,486.92
10	10	10	10	10	10	10	4,668.41	10	4,332.04	10	3,979.19	10	3,609.96	10	3,234.07	10	2,856.61	10	2,479.05
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,661.58	1/4	4,324.87	1/4	3,971.67	1/4	3,602.13	1/4	3,226.24	1/4	2,848.75	1/4	2,471.19
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,654.72	1/2	4,317.67	1/2	3,964.13	1/2	3,594.30	1/2	3,218.39	1/2	2,840.88	1/2	2,463.32
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,647.86	3/4	4,310.46	3/4	3,956.58	3/4	3,586.47	3/4	3,210.54	3/4	2,833.02	3/4	2,455.45
11	11	11	11	11	11	11	4,641.00	11	4,303.26	11	3,949.03	11	3,578.63	11	3,202.69	11	2,825.15	11	2,447.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,634.14	1/4	4,296.06	1/4	3,941.49	1/4	3,570.80	1/4	3,194.85	1/4	2,817.28	1/4	2,439.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,627.25	1/2	4,288.83	1/2	3,933.91	1/2	3,562.97	1/2	3,186.98	1/2	2,809.42	1/2	2,431.86
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,952.52	3/4	4,620.37	3/4	4,281.59	3/4	3,926.34	3/4	3,555.14	3/4	3,179.12	3/4	2,423.99

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 ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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# BARGE "KIRBY 29107"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/4"

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	2,416.12	0	2,038.56	0	1,661.00	0	1,284.82	0	908.03	0	530.50	0	182.60	0		0		0	
1/4	2,408.26	1/4	2,030.69	1/4	1,653.13	1/4	1,277.01	1/4	900.16	1/4	522.65	1/4	175.98	1/4	1/4		1/4		1/4
1/2	2,400.39	1/2	2,022.83	1/2	1,645.27	1/2	1,269.19	1/2	892.30	1/2	514.84	1/2	169.47	1/2	1/2		1/2		1/2
3/4	2,392.53	3/4	2,014.96	3/4	1,637.40	3/4	1,261.37	3/4	884.43	3/4	507.03	3/4	162.96	3/4	3/4		3/4		3/4
1	2,384.66	1	2,007.10	1	1,629.53	1	1,253.56	1	876.56	1	499.23	1	156.45	1	1		1		1
1/4	2,376.79	1/4	1,999.23	1/4	1,621.67	1/4	1,245.74	1/4	868.70	1/4	491.42	1/4	149.94	1/4	1/4		1/4		1/4
1/2	2,368.93	1/2	1,991.37	1/2	1,613.80	1/2	1,237.92	1/2	860.83	1/2	483.70	1/2	143.54	1/2	1/2		1/2		1/2
3/4	2,361.06	3/4	1,983.50	3/4	1,605.94	3/4	1,230.11	3/4	852.97	3/4	475.99	3/4	137.15	3/4	3/4		3/4		3/4
2	2,353.20	2	1,975.63	2	1,598.07	2	1,222.29	2	845.10	2	468.27	2	130.75	2	2		2		2
1/4	2,345.33	1/4	1,967.77	1/4	1,590.20	1/4	1,214.47	1/4	837.24	1/4	460.56	1/4	124.36	1/4	1/4		1/4		1/4
1/2	2,337.46	1/2	1,959.90	1/2	1,582.34	1/2	1,206.66	1/2	829.37	1/2	452.95	1/2	118.08	1/2	1/2		1/2		1/2
3/4	2,329.60	3/4	1,952.04	3/4	1,574.47	3/4	1,198.84	3/4	821.50	3/4	445.34	3/4	111.81	3/4	3/4		3/4		3/4
3	2,321.73	3	1,944.17	3	1,566.61	3	1,191.02	3	813.64	3	437.74	3	105.53	3	3		3		3
1/4	2,313.87	1/4	1,936.30	1/4	1,558.74	1/4	1,183.21	1/4	805.77	1/4	430.13	1/4	99.26	1/4	1/4		1/4		1/4
1/2	2,306.00	1/2	1,928.44	1/2	1,550.89	1/2	1,175.37	1/2	797.91	1/2	422.63	1/2	93.11	1/2	1/2		1/2		1/2
3/4	2,298.14	3/4	1,920.57	3/4	1,543.03	3/4	1,167.54	3/4	790.04	3/4	415.14	3/4	86.97	3/4	3/4		3/4		3/4
4	2,290.27	4	1,912.71	4	1,535.18	4	1,159.70	4	782.18	4	407.64	4	80.82	4	4		4		4
1/4	2,282.40	1/4	1,904.84	1/4	1,527.32	1/4	1,151.86	1/4	774.31	1/4	400.14	1/4	74.68	1/4	1/4		1/4		1/4
1/2	2,274.54	1/2	1,896.97	1/2	1,519.49	1/2	1,144.00	1/2	766.44	1/2	392.76	1/2	68.67	1/2	1/2		1/2		1/2
3/4	2,266.67	3/4	1,889.11	3/4	1,511.65	3/4	1,136.13	3/4	758.58	3/4	385.37	3/4	62.67	3/4	3/4		3/4		3/4
5	2,258.81	5	1,881.24	5	1,503.81	5	1,128.27	5	750.71	5	377.98	5	56.66	5	5		5		5
1/4	2,250.94	1/4	1,873.38	1/4	1,495.98	1/4	1,120.40	1/4	742.85	1/4	370.59	1/4	50.66	1/4	1/4		1/4		1/4
1/2	2,243.07	1/2	1,865.51	1/2	1,488.14	1/2	1,112.54	1/2	734.98	1/2	363.32	1/2	45.25	1/2	1/2		1/2		1/2
3/4	2,235.21	3/4	1,857.65	3/4	1,480.31	3/4	1,104.67	3/4	727.12	3/4	356.04	3/4	39.84	3/4	3/4		3/4		3/4
6	2,227.34	6	1,849.78	6	1,472.48	6	1,096.80	6	719.25	6	348.76	6	34.43	6	6		6		6
1/4	2,219.48	1/4	1,841.91	1/4	1,464.65	1/4	1,088.94	1/4	711.38	1/4	341.48	1/4	29.01	1/4	1/4		1/4		1/4
1/2	2,211.61	1/2	1,834.05	1/2	1,456.83	1/2	1,081.07	1/2	703.52	1/2	334.31	1/2	25.05	1/2	1/2		1/2		1/2
3/4	2,203.74	3/4	1,826.18	3/4	1,449.00	3/4	1,073.21	3/4	695.65	3/4	327.14	3/4	21.09	3/4	3/4		3/4		3/4
7	2,195.88	7	1,818.32	7	1,441.18	7	1,065.34	7	687.79	7	319.97	7	17.13	7	7		7		7
1/4	2,188.01	1/4	1,810.45	1/4	1,433.35	1/4	1,057.48	1/4	679.92	1/4	312.80	1/4	13.17	1/4	1/4		1/4		1/4
1/2	2,180.15	1/2	1,802.58	1/2	1,425.53	1/2	1,049.61	1/2	672.06	1/2	305.74	1/2		1/2	1/2		1/2		1/2
3/4	2,172.28	3/4	1,794.72	3/4	1,417.71	3/4	1,041.74	3/4	664.19	3/4	298.68	3/4		3/4	3/4		3/4		3/4
8	2,164.42	8	1,786.85	8	1,409.89	8	1,033.88	8	656.32	8	291.62	8		8	8		8		8
1/4	2,156.55	1/4	1,778.99	1/4	1,402.07	1/4	1,026.01	1/4	648.46	1/4	284.57	1/4		1/4	1/4		1/4		1/4
1/2	2,148.68	1/2	1,771.12	1/2	1,394.25	1/2	1,018.15	1/2	640.59	1/2	277.61	1/2		1/2	1/2		1/2		1/2
3/4	2,140.82	3/4	1,763.25	3/4	1,386.44	3/4	1,010.28	3/4	632.73	3/4	270.66	3/4		3/4	3/4		3/4		3/4
9	2,132.95	9	1,755.39	9	1,378.62	9	1,002.42	9	624.86	9	263.71	9		9	9		9		9
1/4	2,125.09	1/4	1,747.52	1/4	1,370.80	1/4	994.55	1/4	617.00	1/4	256.76	1/4		1/4	1/4		1/4		1/4
1/2	2,117.22	1/2	1,739.66	1/2	1,362.99	1/2	986.68	1/2	609.13	1/2	249.92	1/2		1/2	1/2		1/2		1/2
3/4	2,109.35	3/4	1,731.79	3/4	1,355.17	3/4	978.82	3/4	601.27	3/4	243.08	3/4		3/4	3/4		3/4		3/4
10	2,101.49	10	1,723.92	10	1,347.35	10	970.95	10	593.40	10	236.24	10		10	10		10		10
1/4	2,093.62	1/4	1,716.06	1/4	1,339.54	1/4	963.09	1/4	585.53	1/4	229.40	1/4		1/4	1/4		1/4		1/4
1/2	2,085.76	1/2	1,708.19	1/2	1,331.72	1/2	955.22	1/2	577.67	1/2	222.67	1/2		1/2	1/2		1/2		1/2
3/4	2,077.89	3/4	1,700.33	3/4	1,323.90	3/4	947.36	3/4	569.80	3/4	215.93	3/4		3/4	3/4		3/4		3/4
11	2,070.02	11	1,692.46	11	1,316.09	11	939.49	11	561.94	11	209.20	11		11	11		11		11
1/4	2,062.16	1/4	1,684.60	1/4	1,308.27	1/4	931.62	1/4	554.07	1/4	202.47	1/4		1/4	1/4		1/4		1/4
1/2	2,054.29	1/2	1,676.73	1/2	1,300.46	1/2	923.76	1/2	546.22	1/2	195.85	1/2		1/2	1/2		1/2		1/2
3/4	2,046.43	3/4	1,668.86	3/4	1,292.64	3/4	915.89	3/4	538.36	3/4	189.23	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/01/2013 CL  
CALCULATED: 03/01/2013 CL  
VERIFIED: 07/13/2023 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2023

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



# BARGE "KIRBY 29107"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	4,956.58	0	4,624.27	0	4,285.34	0	3,929.92	0	3,558.55	0	3,182.35	0	2,804.61
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,951.20	1/4	4,617.38	1/4	4,278.11	1/4	3,922.35	1/4	3,550.72	1/4	3,174.48	1/4	2,796.74
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,945.83	1/2	4,610.50	1/2	4,270.87	1/2	3,914.77	1/2	3,542.89	1/2	3,166.61	1/2	2,788.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,939.16	3/4	4,603.58	3/4	4,263.61	3/4	3,907.16	3/4	3,535.05	3/4	3,158.74	3/4	2,781.00
1		1		1		1	4,932.48	1	4,596.66	1	4,256.35	1	3,899.55	1	3,527.22	1	3,150.87	1	2,773.13
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,925.81	1/4	4,589.75	1/4	4,249.09	1/4	3,891.94	1/4	3,519.38	1/4	3,143.00	1/4	2,765.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,919.14	1/2	4,582.83	1/2	4,241.83	1/2	3,884.33	1/2	3,511.55	1/2	3,135.13	1/2	2,757.39
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,911.53	3/4	4,575.89	3/4	4,234.54	3/4	3,876.70	3/4	3,503.71	3/4	3,127.26	3/4	2,749.53
2		2		2		2	4,903.93	2	4,568.94	2	4,227.25	2	3,869.07	2	3,495.88	2	3,119.39	2	2,741.66
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,896.32	1/4	4,562.00	1/4	4,219.97	1/4	3,861.44	1/4	3,488.04	1/4	3,111.52	1/4	2,733.79
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,888.72	1/2	4,555.05	1/2	4,212.68	1/2	3,853.80	1/2	3,480.21	1/2	3,103.65	1/2	2,725.92
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,880.88	3/4	4,548.08	3/4	4,205.36	3/4	3,846.14	3/4	3,472.37	3/4	3,095.78	3/4	2,718.05
3		3		3		3	4,873.05	3	4,541.10	3	4,198.04	3	3,838.48	3	3,464.54	3	3,087.91	3	2,710.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,865.21	1/4	4,534.13	1/4	4,190.72	1/4	3,830.82	1/4	3,456.70	1/4	3,080.04	1/4	2,702.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,857.38	1/2	4,527.16	1/2	4,183.41	1/2	3,823.16	1/2	3,448.87	1/2	3,072.17	1/2	2,694.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,849.98	3/4	4,520.15	3/4	4,176.06	3/4	3,815.47	3/4	3,441.03	3/4	3,064.31	3/4	2,686.57
4		4		4		4	4,842.58	4	4,513.15	4	4,168.71	4	3,807.78	4	3,433.20	4	3,056.44	4	2,678.70
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,835.18	1/4	4,506.15	1/4	4,161.37	1/4	3,800.09	1/4	3,425.37	1/4	3,048.57	1/4	2,670.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,827.77	1/2	4,499.14	1/2	4,154.02	1/2	3,792.40	1/2	3,417.53	1/2	3,040.70	1/2	2,662.96
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,821.08	3/4	4,492.11	3/4	4,146.65	3/4	3,784.68	3/4	3,409.70	3/4	3,032.83	3/4	2,655.09
5		5		5		5	4,814.40	5	4,485.08	5	4,139.27	5	3,776.96	5	3,401.86	5	3,024.96	5	2,647.22
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,807.71	1/4	4,478.05	1/4	4,131.90	1/4	3,769.25	1/4	3,394.03	1/4	3,017.09	1/4	2,639.35
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,801.02	1/2	4,471.02	1/2	4,124.52	1/2	3,761.53	1/2	3,386.19	1/2	3,009.22	1/2	2,631.48
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,794.30	3/4	4,463.96	3/4	4,117.12	3/4	3,753.78	3/4	3,378.36	3/4	3,001.35	3/4	2,623.61
6		6		6		6	4,787.58	6	4,456.90	6	4,109.71	6	3,746.03	6	3,370.52	6	2,993.48	6	2,615.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,780.87	1/4	4,449.84	1/4	4,102.31	1/4	3,738.28	1/4	3,362.69	1/4	2,985.61	1/4	2,607.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,774.15	1/2	4,442.78	1/2	4,094.91	1/2	3,730.54	1/2	3,354.85	1/2	2,977.74	1/2	2,600.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,767.40	3/4	4,435.69	3/4	4,087.47	3/4	3,722.76	3/4	3,347.02	3/4	2,969.87	3/4	2,592.14
7		7		7		7	4,760.65	7	4,428.60	7	4,080.04	7	3,714.98	7	3,339.18	7	2,962.00	7	2,584.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,753.91	1/4	4,421.51	1/4	4,072.61	1/4	3,707.21	1/4	3,331.35	1/4	2,954.13	1/4	2,576.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,747.16	1/2	4,414.42	1/2	4,065.17	1/2	3,699.43	1/2	3,323.51	1/2	2,946.26	1/2	2,568.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,740.39	3/4	4,407.30	3/4	4,057.71	3/4	3,691.63	3/4	3,315.68	3/4	2,938.39	3/4	2,560.66
8		8		8		8	4,733.61	8	4,400.18	8	4,050.25	8	3,683.82	8	3,307.84	8	2,930.52	8	2,552.79
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,726.83	1/4	4,393.06	1/4	4,042.79	1/4	3,676.02	1/4	3,300.01	1/4	2,922.65	1/4	2,544.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,720.06	1/2	4,385.94	1/2	4,035.33	1/2	3,668.21	1/2	3,292.18	1/2	2,914.78	1/2	2,537.05
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,713.25	3/4	4,378.79	3/4	4,027.83	3/4	3,660.38	3/4	3,284.34	3/4	2,906.92	3/4	2,529.18
9		9		9		9	4,706.45	9	4,371.64	9	4,020.34	9	3,652.56	9	3,276.51	9	2,899.05	9	2,521.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,699.64	1/4	4,364.50	1/4	4,012.85	1/4	3,644.73	1/4	3,268.67	1/4	2,891.18	1/4	2,513.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,692.84	1/2	4,357.35	1/2	4,005.36	1/2	3,636.90	1/2	3,260.84	1/2	2,883.31	1/2	2,505.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,686.00	3/4	4,350.17	3/4	3,997.84	3/4	3,629.07	3/4	3,253.00	3/4	2,875.44	3/4	2,497.70
10		10		10		10	4,679.17	10	4,342.99	10	3,990.32	10	3,621.23	10	3,245.17	10	2,867.57	10	2,489.83
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,672.34	1/4	4,335.82	1/4	3,982.80	1/4	3,613.40	1/4	3,237.33	1/4	2,859.70	1/4	2,481.96
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,665.50	1/2	4,328.64	1/2	3,975.28	1/2	3,605.56	1/2	3,229.50	1/2	2,851.83	1/2	2,474.09
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,658.64	3/4	4,321.43	3/4	3,967.73	3/4	3,597.73	3/4	3,221.64	3/4	2,843.96	3/4	2,466.22
11		11		11		11	4,651.77	11	4,314.23	11	3,960.18	11	3,589.89	11	3,213.79	11	2,836.09	11	2,458.35
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,644.91	1/4	4,307.02	1/4	3,952.63	1/4	3,582.06	1/4	3,205.94	1/4	2,828.22	1/4	2,450.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,638.05	1/2	4,299.81	1/2	3,945.08	1/2	3,574.22	1/2	3,198.09	1/2	2,820.35	1/2	2,442.61
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,631.16	3/4	4,292.58	3/4	3,937.50	3/4	3,566.39	3/4	3,190.22	3/4	2,812.48	3/4	2,434.75

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 ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 29107"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/2"

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	2,426.88	0	2,049.14	0	1,671.40	0	1,293.67	0	916.22	0	538.61	0	189.31	0		0		0	
1/4	2,419.01	1/4	2,041.27	1/4	1,663.53	1/4	1,285.80	1/4	908.36	1/4	530.75	1/4	182.69	1/4	1/4	1/4		1/4	
1/2	2,411.14	1/2	2,033.40	1/2	1,655.66	1/2	1,277.93	1/2	900.50	1/2	522.89	1/2	176.06	1/2	1/2	1/2		1/2	
3/4	2,403.27	3/4	2,025.53	3/4	1,647.80	3/4	1,270.06	3/4	892.64	3/4	515.08	3/4	169.55	3/4	3/4	3/4		3/4	
1	2,395.40	1	2,017.66	1	1,639.93	1	1,262.19	1	884.79	1	507.27	1	163.03	1	1	1		1	
1/4	2,387.53	1/4	2,009.79	1/4	1,632.06	1/4	1,254.32	1/4	876.93	1/4	499.46	1/4	156.52	1/4	1/4	1/4		1/4	
1/2	2,379.66	1/2	2,001.92	1/2	1,624.19	1/2	1,246.45	1/2	869.07	1/2	491.64	1/2	150.01	1/2	1/2	1/2		1/2	
3/4	2,371.79	3/4	1,994.05	3/4	1,616.32	3/4	1,238.58	3/4	861.21	3/4	483.93	3/4	143.61	3/4	3/4	3/4		3/4	
2	2,363.92	2	1,986.18	2	1,608.45	2	1,230.71	2	853.35	2	476.21	2	137.21	2	2	2		2	
1/4	2,356.05	1/4	1,978.31	1/4	1,600.58	1/4	1,222.84	1/4	845.49	1/4	468.49	1/4	130.81	1/4	1/4	1/4		1/4	
1/2	2,348.18	1/2	1,970.44	1/2	1,592.71	1/2	1,214.97	1/2	837.62	1/2	460.77	1/2	124.41	1/2	1/2	1/2		1/2	
3/4	2,340.31	3/4	1,962.58	3/4	1,584.84	3/4	1,207.10	3/4	829.76	3/4	453.16	3/4	118.14	3/4	3/4	3/4		3/4	
3	2,332.44	3	1,954.71	3	1,576.97	3	1,199.23	3	821.89	3	445.55	3	111.86	3	3	3		3	
1/4	2,324.57	1/4	1,946.84	1/4	1,569.10	1/4	1,191.36	1/4	814.02	1/4	437.94	1/4	105.58	1/4	1/4	1/4		1/4	
1/2	2,316.70	1/2	1,938.97	1/2	1,561.23	1/2	1,183.49	1/2	806.15	1/2	430.33	1/2	99.30	1/2	1/2	1/2		1/2	
3/4	2,308.83	3/4	1,931.10	3/4	1,553.36	3/4	1,175.63	3/4	798.28	3/4	422.83	3/4	93.16	3/4	3/4	3/4		3/4	
4	2,300.96	4	1,923.23	4	1,545.49	4	1,167.76	4	790.41	4	415.33	4	87.01	4	4	4		4	
1/4	2,293.09	1/4	1,915.36	1/4	1,537.62	1/4	1,159.89	1/4	782.54	1/4	407.83	1/4	80.86	1/4	1/4	1/4		1/4	
1/2	2,285.22	1/2	1,907.49	1/2	1,529.75	1/2	1,152.02	1/2	774.67	1/2	400.33	1/2	74.71	1/2	1/2	1/2		1/2	
3/4	2,277.36	3/4	1,899.62	3/4	1,521.88	3/4	1,144.15	3/4	766.80	3/4	392.94	3/4	68.70	3/4	3/4	3/4		3/4	
5	2,269.49	5	1,891.75	5	1,514.01	5	1,136.28	5	758.93	5	385.55	5	62.70	5	5	5		5	
1/4	2,261.62	1/4	1,883.88	1/4	1,506.14	1/4	1,128.41	1/4	751.06	1/4	378.16	1/4	56.69	1/4	1/4	1/4		1/4	
1/2	2,253.75	1/2	1,876.01	1/2	1,498.27	1/2	1,120.54	1/2	743.19	1/2	370.76	1/2	50.68	1/2	1/2	1/2		1/2	
3/4	2,245.88	3/4	1,868.14	3/4	1,490.41	3/4	1,112.67	3/4	735.32	3/4	363.48	3/4	45.27	3/4	3/4	3/4		3/4	
6	2,238.01	6	1,860.27	6	1,482.54	6	1,104.81	6	727.45	6	356.20	6	39.86	6	6	6		6	
1/4	2,230.14	1/4	1,852.40	1/4	1,474.67	1/4	1,096.95	1/4	719.58	1/4	348.92	1/4	34.44	1/4	1/4	1/4		1/4	
1/2	2,222.27	1/2	1,844.53	1/2	1,466.80	1/2	1,089.08	1/2	711.71	1/2	341.64	1/2	29.03	1/2	1/2	1/2		1/2	
3/4	2,214.40	3/4	1,836.66	3/4	1,458.93	3/4	1,081.22	3/4	703.84	3/4	334.47	3/4	25.07	3/4	3/4	3/4		3/4	
7	2,206.53	7	1,828.79	7	1,451.06	7	1,073.37	7	695.98	7	327.29	7	21.10	7	7	7		7	
1/4	2,198.66	1/4	1,820.92	1/4	1,443.19	1/4	1,065.51	1/4	688.11	1/4	320.12	1/4	17.14	1/4	1/4	1/4		1/4	
1/2	2,190.79	1/2	1,813.05	1/2	1,435.32	1/2	1,057.65	1/2	680.24	1/2	312.95	1/2	13.18	1/2	1/2	1/2		1/2	
3/4	2,182.92	3/4	1,805.19	3/4	1,427.45	3/4	1,049.79	3/4	672.37	3/4	305.89	3/4		3/4	3/4	3/4		3/4	
8	2,175.05	8	1,797.32	8	1,419.58	8	1,041.94	8	664.50	8	298.82	8		8	8	8		8	
1/4	2,167.18	1/4	1,789.45	1/4	1,411.71	1/4	1,034.08	1/4	656.63	1/4	291.76	1/4		1/4	1/4	1/4		1/4	
1/2	2,159.31	1/2	1,781.58	1/2	1,403.84	1/2	1,026.22	1/2	648.76	1/2	284.70	1/2		1/2	1/2	1/2		1/2	
3/4	2,151.44	3/4	1,773.71	3/4	1,395.97	3/4	1,018.36	3/4	640.89	3/4	277.74	3/4		3/4	3/4	3/4		3/4	
9	2,143.57	9	1,765.84	9	1,388.10	9	1,010.51	9	633.02	9	270.79	9		9	9	9		9	
1/4	2,135.70	1/4	1,757.97	1/4	1,380.23	1/4	1,002.65	1/4	625.15	1/4	263.84	1/4		1/4	1/4	1/4		1/4	
1/2	2,127.83	1/2	1,750.10	1/2	1,372.36	1/2	994.79	1/2	617.28	1/2	256.88	1/2		1/2	1/2	1/2		1/2	
3/4	2,119.97	3/4	1,742.23	3/4	1,364.49	3/4	986.93	3/4	609.41	3/4	250.04	3/4		3/4	3/4	3/4		3/4	
10	2,112.10	10	1,734.36	10	1,356.62	10	979.08	10	601.54	10	243.19	10		10	10	10		10	
1/4	2,104.23	1/4	1,726.49	1/4	1,348.75	1/4	971.22	1/4	593.67	1/4	236.35	1/4		1/4	1/4	1/4		1/4	
1/2	2,096.36	1/2	1,718.62	1/2	1,340.88	1/2	963.36	1/2	585.80	1/2	229.50	1/2		1/2	1/2	1/2		1/2	
3/4	2,088.49	3/4	1,710.75	3/4	1,333.02	3/4	955.50	3/4	577.93	3/4	222.77	3/4		3/4	3/4	3/4		3/4	
11	2,080.62	11	1,702.88	11	1,325.15	11	947.65	11	570.06	11	216.03	11		11	11	11		11	
1/4	2,072.75	1/4	1,695.01	1/4	1,317.28	1/4	939.79	1/4	562.20	1/4	209.30	1/4		1/4	1/4	1/4		1/4	
1/2	2,064.88	1/2	1,687.14	1/2	1,309.41	1/2	931.93	1/2	554.33	1/2	202.56	1/2		1/2	1/2	1/2		1/2	
3/4	2,057.01	3/4	1,679.27	3/4	1,301.54	3/4	924.07	3/4	546.47	3/4	195.94	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/01/2013 CL  
CALCULATED: 03/01/2013 CL  
VERIFIED: 07/13/2023 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2023

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



# BARGE "KIRBY 29107"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	4,762.16	0	4,443.58	0	4,119.72	0	3,780.72	0	3,427.18	0	3,069.39	0	2,710.22		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,757.05	1/4	4,437.00	1/4	4,112.81	1/4	3,773.51	1/4	3,419.73	1/4	3,061.91	1/4	2,702.74		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,750.70	1/2	4,430.39	1/2	4,105.89	1/2	3,766.27	1/2	3,412.27	1/2	3,054.43	1/2	2,695.26		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,744.36	3/4	4,423.79	3/4	4,098.97	3/4	3,759.02	3/4	3,404.82	3/4	3,046.94	3/4	2,687.77		
1	1	1	1	1	1	1	4,738.02	1	4,417.18	1	4,092.04	1	3,751.78	1	3,397.37	1	3,039.46	1	2,680.29		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,731.67	1/4	4,410.57	1/4	4,085.12	1/4	3,744.54	1/4	3,389.92	1/4	3,031.98	1/4	2,672.81		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,724.44	1/2	4,403.94	1/2	4,078.17	1/2	3,737.27	1/2	3,382.47	1/2	3,024.50	1/2	2,665.33		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,717.21	3/4	4,397.30	3/4	4,071.22	3/4	3,730.01	3/4	3,375.02	3/4	3,017.01	3/4	2,657.84		
2	2	2	2	2	2	2	4,709.98	2	4,390.67	2	4,064.27	2	3,722.74	2	3,367.57	2	3,009.53	2	2,650.36		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,702.75	1/4	4,384.03	1/4	4,057.33	1/4	3,715.48	1/4	3,360.12	1/4	3,002.05	1/4	2,642.88		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,695.30	1/2	4,377.37	1/2	4,050.35	1/2	3,708.19	1/2	3,352.67	1/2	2,994.57	1/2	2,635.40		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,687.85	3/4	4,370.71	3/4	4,043.37	3/4	3,700.90	3/4	3,345.22	3/4	2,987.08	3/4	2,627.91		
3	3	3	3	3	3	3	4,680.40	3	4,364.05	3	4,036.40	3	3,693.61	3	3,337.77	3	2,979.60	3	2,620.43		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,672.95	1/4	4,357.39	1/4	4,029.42	1/4	3,686.31	1/4	3,330.32	1/4	2,972.12	1/4	2,612.95		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,665.90	1/2	4,350.71	1/2	4,022.42	1/2	3,679.00	1/2	3,322.87	1/2	2,964.63	1/2	2,605.47		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,658.84	3/4	4,344.02	3/4	4,015.42	3/4	3,671.68	3/4	3,315.42	3/4	2,957.15	3/4	2,597.98		
4	4	4	4	4	4	4	4,651.79	4	4,337.33	4	4,008.41	4	3,664.36	4	3,307.97	4	2,949.67	4	2,590.50		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,644.74	1/4	4,330.64	1/4	4,001.41	1/4	3,657.04	1/4	3,300.52	1/4	2,942.19	1/4	2,583.02		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,638.34	1/2	4,323.93	1/2	3,994.38	1/2	3,649.70	1/2	3,293.07	1/2	2,934.70	1/2	2,575.53		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,631.94	3/4	4,317.22	3/4	3,987.35	3/4	3,642.36	3/4	3,285.61	3/4	2,927.22	3/4	2,568.05		
5	5	5	5	5	5	5	4,625.54	5	4,310.50	5	3,980.33	5	3,635.01	5	3,278.16	5	2,919.74	5	2,560.57		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,619.14	1/4	4,303.79	1/4	3,973.30	1/4	3,627.67	1/4	3,270.71	1/4	2,912.26	1/4	2,553.09		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,612.72	1/2	4,297.05	1/2	3,966.24	1/2	3,620.30	1/2	3,263.26	1/2	2,904.77	1/2	2,545.60		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,606.29	3/4	4,290.31	3/4	3,959.19	3/4	3,612.93	3/4	3,255.81	3/4	2,897.29	3/4	2,538.12		
6	6	6	6	6	6	6	4,599.87	6	4,283.57	6	3,952.13	6	3,605.56	6	3,248.36	6	2,889.81	6	2,530.64		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,593.44	1/4	4,276.83	1/4	3,945.08	1/4	3,598.18	1/4	3,240.91	1/4	2,882.32	1/4	2,523.16		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,586.99	1/2	4,270.06	1/2	3,937.99	1/2	3,590.79	1/2	3,233.46	1/2	2,874.84	1/2	2,515.67		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,580.54	3/4	4,263.29	3/4	3,930.91	3/4	3,583.39	3/4	3,226.01	3/4	2,867.36	3/4	2,508.19		
7	7	7	7	7	7	7	4,574.08	7	4,256.53	7	3,923.83	7	3,575.99	7	3,218.56	7	2,859.88	7	2,500.71		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,567.63	1/4	4,249.76	1/4	3,916.75	1/4	3,568.60	1/4	3,211.11	1/4	2,852.39	1/4	2,493.22		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,561.15	1/2	4,242.97	1/2	3,909.64	1/2	3,561.17	1/2	3,203.66	1/2	2,844.91	1/2	2,485.74		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,554.67	3/4	4,236.17	3/4	3,902.53	3/4	3,553.75	3/4	3,196.21	3/4	2,837.43	3/4	2,478.26		
8	8	8	8	8	8	8	4,548.20	8	4,229.38	8	3,895.42	8	3,546.33	8	3,188.76	8	2,829.95	8	2,470.78		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,541.72	1/4	4,222.58	1/4	3,888.31	1/4	3,538.90	1/4	3,181.31	1/4	2,822.46	1/4	2,463.29		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,535.21	1/2	4,215.76	1/2	3,881.18	1/2	3,531.46	1/2	3,173.86	1/2	2,814.98	1/2	2,455.81		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,528.70	3/4	4,208.94	3/4	3,874.04	3/4	3,524.02	3/4	3,166.40	3/4	2,807.50	3/4	2,448.33		
9	9	9	9	9	9	9	4,522.20	9	4,202.12	9	3,866.91	9	3,516.57	9	3,158.95	9	2,800.02	9	2,440.85		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,515.69	1/4	4,195.30	1/4	3,859.77	1/4	3,509.13	1/4	3,151.50	1/4	2,792.53	1/4	2,433.36		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,509.16	1/2	4,188.46	1/2	3,852.61	1/2	3,501.68	1/2	3,144.05	1/2	2,785.05	1/2	2,425.88		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,502.63	3/4	4,181.61	3/4	3,845.45	3/4	3,494.23	3/4	3,136.60	3/4	2,777.57	3/4	2,418.40		
10	10	10	10	10	10	10	4,496.10	10	4,174.76	10	3,838.29	10	3,486.78	10	3,129.15	10	2,770.08	10	2,410.91		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,489.57	1/4	4,167.91	1/4	3,831.13	1/4	3,479.33	1/4	3,121.70	1/4	2,762.60	1/4	2,403.43		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,483.01	1/2	4,161.04	1/2	3,823.94	1/2	3,471.88	1/2	3,114.24	1/2	2,755.12	1/2	2,395.95		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,476.45	3/4	4,154.17	3/4	3,816.75	3/4	3,464.43	3/4	3,106.77	3/4	2,747.64	3/4	2,388.47		
11	11	11	11	11	11	11	4,469.89	11	4,147.29	11	3,809.56	11	3,456.98	11	3,099.31	11	2,740.15	11	2,380.98		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,463.33	1/4	4,140.42	1/4	3,802.37	1/4	3,449.53	1/4	3,091.84	1/4	2,732.67	1/4	2,373.50		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,456.74	1/2	4,133.52	1/2	3,795.15	1/2	3,442.08	1/2	3,084.36	1/2	2,725.19	1/2	2,366.02		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,767.27	3/4	4,450.16	3/4	4,126.62	3/4	3,787.94	3/4	3,434.63	3/4	3,076.88	3/4	2,717.71	3/4	2,358.54

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 ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 52'-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 "KIRBY 29107"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,351.05	0	1,991.88	0	1,632.71	0	1,282.74	0	937.82	0	579.72	0	220.56	0		0		0	
1/4	2,343.57	1/4	1,984.40	1/4	1,625.23	1/4	1,275.54	1/4	930.64	1/4	572.24	1/4	213.08	1/4	1/4	1/4		1/4	
1/2	2,336.09	1/2	1,976.92	1/2	1,617.75	1/2	1,268.34	1/2	923.35	1/2	564.75	1/2	205.60	1/2	1/2	1/2		1/2	
3/4	2,328.61	3/4	1,969.44	3/4	1,610.27	3/4	1,261.14	3/4	916.05	3/4	557.27	3/4	198.12	3/4	3/4	3/4		3/4	
1	2,321.12	1	1,961.95	1	1,602.78	1	1,253.94	1	908.76	1	549.79	1	190.64	1	1	1		1	
1/4	2,313.64	1/4	1,954.47	1/4	1,595.30	1/4	1,246.74	1/4	901.47	1/4	542.31	1/4	183.15	1/4	1/4	1/4		1/4	
1/2	2,306.16	1/2	1,946.99	1/2	1,587.82	1/2	1,239.54	1/2	893.98	1/2	534.82	1/2	175.68	1/2	1/2	1/2		1/2	
3/4	2,298.67	3/4	1,939.50	3/4	1,580.34	3/4	1,232.34	3/4	886.50	3/4	527.34	3/4	168.21	3/4	3/4	3/4		3/4	
2	2,291.19	2	1,932.02	2	1,572.85	2	1,225.14	2	879.02	2	519.86	2	160.73	2	2	2		2	
1/4	2,283.71	1/4	1,924.54	1/4	1,565.37	1/4	1,217.94	1/4	871.54	1/4	512.38	1/4	153.26	1/4	1/4	1/4		1/4	
1/2	2,276.23	1/2	1,917.06	1/2	1,557.89	1/2	1,210.75	1/2	864.05	1/2	504.89	1/2	145.80	1/2	1/2	1/2		1/2	
3/4	2,268.74	3/4	1,909.57	3/4	1,550.40	3/4	1,203.55	3/4	856.57	3/4	497.41	3/4	138.33	3/4	3/4	3/4		3/4	
3	2,261.26	3	1,902.09	3	1,542.92	3	1,196.36	3	849.09	3	489.93	3	130.87	3	3	3		3	
1/4	2,253.78	1/4	1,894.61	1/4	1,535.44	1/4	1,189.16	1/4	841.61	1/4	482.45	1/4	123.41	1/4	1/4	1/4		1/4	
1/2	2,246.30	1/2	1,887.13	1/2	1,528.06	1/2	1,181.98	1/2	834.12	1/2	474.96	1/2	115.96	1/2	1/2	1/2		1/2	
3/4	2,238.81	3/4	1,879.64	3/4	1,520.68	3/4	1,174.79	3/4	826.64	3/4	467.48	3/4	108.52	3/4	3/4	3/4		3/4	
4	2,231.33	4	1,872.16	4	1,513.31	4	1,167.60	4	819.16	4	460.00	4	101.07	4	4	4		4	
1/4	2,223.85	1/4	1,864.68	1/4	1,505.93	1/4	1,160.41	1/4	811.68	1/4	452.52	1/4	93.63	1/4	1/4	1/4		1/4	
1/2	2,216.36	1/2	1,857.20	1/2	1,498.73	1/2	1,153.23	1/2	804.19	1/2	445.03	1/2	86.21	1/2	1/2	1/2		1/2	
3/4	2,208.88	3/4	1,849.71	3/4	1,491.53	3/4	1,146.05	3/4	796.71	3/4	437.55	3/4	78.80	3/4	3/4	3/4		3/4	
5	2,201.40	5	1,842.23	5	1,484.33	5	1,138.86	5	789.23	5	430.07	5	71.39	5	5	5		5	
1/4	2,193.92	1/4	1,834.75	1/4	1,477.13	1/4	1,131.68	1/4	781.75	1/4	422.59	1/4	63.97	1/4	1/4	1/4		1/4	
1/2	2,186.43	1/2	1,827.26	1/2	1,469.93	1/2	1,124.50	1/2	774.26	1/2	415.10	1/2	57.02	1/2	1/2	1/2		1/2	
3/4	2,178.95	3/4	1,819.78	3/4	1,462.73	3/4	1,117.32	3/4	766.78	3/4	407.62	3/4	50.07	3/4	3/4	3/4		3/4	
6	2,171.47	6	1,812.30	6	1,455.53	6	1,110.14	6	759.30	6	400.14	6	43.11	6	6	6		6	
1/4	2,163.99	1/4	1,804.82	1/4	1,448.33	1/4	1,102.96	1/4	751.82	1/4	392.66	1/4	36.16	1/4	1/4	1/4		1/4	
1/2	2,156.50	1/2	1,797.33	1/2	1,441.13	1/2	1,095.78	1/2	744.33	1/2	385.17	1/2	30.86	1/2	1/2	1/2		1/2	
3/4	2,149.02	3/4	1,789.85	3/4	1,433.93	3/4	1,088.60	3/4	736.85	3/4	377.69	3/4	25.56	3/4	3/4	3/4		3/4	
7	2,141.54	7	1,782.37	7	1,426.73	7	1,081.42	7	729.37	7	370.21	7	20.26	7	7	7		7	
1/4	2,134.05	1/4	1,774.89	1/4	1,419.53	1/4	1,074.24	1/4	721.89	1/4	362.73	1/4	14.97	1/4	1/4	1/4		1/4	
1/2	2,126.57	1/2	1,767.40	1/2	1,412.33	1/2	1,067.06	1/2	714.40	1/2	355.24	1/2		1/2	1/2	1/2		1/2	
3/4	2,119.09	3/4	1,759.92	3/4	1,405.14	3/4	1,059.88	3/4	706.92	3/4	347.76	3/4		3/4	3/4	3/4		3/4	
8	2,111.61	8	1,752.44	8	1,397.94	8	1,052.70	8	699.44	8	340.28	8		8	8	8		8	
1/4	2,104.12	1/4	1,744.95	1/4	1,390.74	1/4	1,045.52	1/4	691.96	1/4	332.80	1/4		1/4	1/4	1/4		1/4	
1/2	2,096.64	1/2	1,737.47	1/2	1,383.54	1/2	1,038.34	1/2	684.47	1/2	325.31	1/2		1/2	1/2	1/2		1/2	
3/4	2,089.16	3/4	1,729.99	3/4	1,376.34	3/4	1,031.16	3/4	676.99	3/4	317.83	3/4		3/4	3/4	3/4		3/4	
9	2,081.68	9	1,722.51	9	1,369.14	9	1,023.98	9	669.51	9	310.35	9		9	9	9		9	
1/4	2,074.19	1/4	1,715.02	1/4	1,361.94	1/4	1,016.80	1/4	662.03	1/4	302.87	1/4		1/4	1/4	1/4		1/4	
1/2	2,066.71	1/2	1,707.54	1/2	1,354.74	1/2	1,009.62	1/2	654.54	1/2	295.38	1/2		1/2	1/2	1/2		1/2	
3/4	2,059.23	3/4	1,700.06	3/4	1,347.54	3/4	1,002.44	3/4	647.06	3/4	287.90	3/4		3/4	3/4	3/4		3/4	
10	2,051.75	10	1,692.58	10	1,340.34	10	995.26	10	639.58	10	280.42	10		10	10	10		10	
1/4	2,044.26	1/4	1,685.09	1/4	1,333.14	1/4	988.08	1/4	632.10	1/4	272.94	1/4		1/4	1/4	1/4		1/4	
1/2	2,036.78	1/2	1,677.61	1/2	1,325.94	1/2	980.90	1/2	624.61	1/2	265.45	1/2		1/2	1/2	1/2		1/2	
3/4	2,029.30	3/4	1,670.13	3/4	1,318.74	3/4	973.72	3/4	617.13	3/4	257.97	3/4		3/4	3/4	3/4		3/4	
11	2,021.81	11	1,662.64	11	1,311.54	11	966.54	11	609.65	11	250.49	11		11	11	11		11	
1/4	2,014.33	1/4	1,655.16	1/4	1,304.34	1/4	959.36	1/4	602.17	1/4	243.01	1/4		1/4	1/4	1/4		1/4	
1/2	2,006.85	1/2	1,647.68	1/2	1,297.14	1/2	952.18	1/2	594.68	1/2	235.52	1/2		1/2	1/2	1/2		1/2	
3/4	1,999.37	3/4	1,640.20	3/4	1,289.94	3/4	945.00	3/4	587.20	3/4	228.04	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/01/2013 CL  
CALCULATED: 03/01/2013 CL  
VERIFIED: 07/13/2023 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2023

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





# BARGE "KIRBY 29107"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0		0	4,480.87	0	4,157.64	0	3,819.28	0	3,466.20	0	3,108.50	0	2,749.33		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,791.40	1/4	4,474.29	1/4	4,150.74	1/4	3,812.06	1/4	3,458.75	1/4	3,101.02	1/4	2,741.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,786.28	1/2	4,467.70	1/2	4,143.84	1/2	3,804.85	1/2	3,451.30	1/2	3,093.54	1/2	2,734.36
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,781.17	3/4	4,461.12	3/4	4,136.94	3/4	3,797.63	3/4	3,443.85	3/4	3,086.06	3/4	2,726.88
1	1	1	1	1	1	1	1	1	4,774.83	1	4,454.52	1	4,130.01	1	3,790.39	1	3,436.40	1	3,078.57	1	2,719.40
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,768.48	1/4	4,447.91	1/4	4,123.09	1/4	3,783.15	1/4	3,428.95	1/4	3,071.09	1/4	2,711.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,762.14	1/2	4,441.30	1/2	4,116.17	1/2	3,775.90	1/2	3,421.50	1/2	3,063.61	1/2	2,704.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,755.80	3/4	4,434.69	3/4	4,109.24	3/4	3,768.66	3/4	3,414.05	3/4	3,056.12	3/4	2,696.95
2	2	2	2	2	2	2	2	2	4,748.57	2	4,428.06	2	4,102.30	2	3,761.40	2	3,406.59	2	3,048.64	2	2,689.47
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,741.33	1/4	4,421.43	1/4	4,095.35	1/4	3,754.13	1/4	3,399.14	1/4	3,041.16	1/4	2,681.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,734.10	1/2	4,414.79	1/2	4,088.40	1/2	3,746.87	1/2	3,391.69	1/2	3,033.68	1/2	2,674.50
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,726.87	3/4	4,408.16	3/4	4,081.45	3/4	3,739.60	3/4	3,384.24	3/4	3,026.19	3/4	2,667.02
3	3	3	3	3	3	3	3	3	4,719.42	3	4,401.50	3	4,074.47	3	3,732.31	3	3,376.79	3	3,018.71	3	2,659.54
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,711.97	1/4	4,394.84	1/4	4,067.50	1/4	3,725.02	1/4	3,369.34	1/4	3,011.23	1/4	2,652.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,704.52	1/2	4,388.18	1/2	4,060.52	1/2	3,717.73	1/2	3,361.89	1/2	3,003.74	1/2	2,644.57
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,697.07	3/4	4,381.52	3/4	4,053.54	3/4	3,710.44	3/4	3,354.44	3/4	2,996.26	3/4	2,637.09
4	4	4	4	4	4	4	4	4	4,690.02	4	4,374.83	4	4,046.54	4	3,703.12	4	3,346.99	4	2,988.78	4	2,629.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,682.97	1/4	4,368.14	1/4	4,039.54	1/4	3,695.80	1/4	3,339.54	1/4	2,981.30	1/4	2,622.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,675.91	1/2	4,361.45	1/2	4,032.54	1/2	3,688.48	1/2	3,332.09	1/2	2,973.81	1/2	2,614.64
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,668.86	3/4	4,354.77	3/4	4,025.54	3/4	3,681.17	3/4	3,324.64	3/4	2,966.33	3/4	2,607.16
5	5	5	5	5	5	5	5	5	4,662.46	5	4,348.05	5	4,018.51	5	3,673.82	5	3,317.19	5	2,958.85	5	2,599.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,656.06	1/4	4,341.34	1/4	4,011.48	1/4	3,666.48	1/4	3,309.74	1/4	2,951.36	1/4	2,592.19
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,649.66	1/2	4,334.63	1/2	4,004.45	1/2	3,659.14	1/2	3,302.29	1/2	2,943.88	1/2	2,584.71
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,643.26	3/4	4,327.91	3/4	3,997.42	3/4	3,651.79	3/4	3,294.84	3/4	2,936.40	3/4	2,577.22
6	6	6	6	6	6	6	6	6	4,636.84	6	4,321.17	6	3,990.36	6	3,644.42	6	3,287.39	6	2,928.92	6	2,569.74
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,630.41	1/4	4,314.43	1/4	3,983.31	1/4	3,637.05	1/4	3,279.93	1/4	2,921.43	1/4	2,562.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,623.99	1/2	4,307.69	1/2	3,976.25	1/2	3,629.68	1/2	3,272.48	1/2	2,913.95	1/2	2,554.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,617.56	3/4	4,300.95	3/4	3,969.20	3/4	3,622.31	3/4	3,265.03	3/4	2,906.47	3/4	2,547.29
7	7	7	7	7	7	7	7	7	4,611.11	7	4,294.18	7	3,962.12	7	3,614.91	7	3,257.58	7	2,898.99	7	2,539.81
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,604.66	1/4	4,287.42	1/4	3,955.03	1/4	3,607.51	1/4	3,250.13	1/4	2,891.50	1/4	2,532.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,598.21	1/2	4,280.65	1/2	3,947.95	1/2	3,600.12	1/2	3,242.68	1/2	2,884.02	1/2	2,524.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,591.75	3/4	4,273.88	3/4	3,940.87	3/4	3,592.72	3/4	3,235.23	3/4	2,876.54	3/4	2,517.36
8	8	8	8	8	8	8	8	8	4,585.27	8	4,267.09	8	3,933.76	8	3,585.30	8	3,227.78	8	2,869.05	8	2,509.88
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,578.80	1/4	4,260.29	1/4	3,926.65	1/4	3,577.87	1/4	3,220.33	1/4	2,861.57	1/4	2,502.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,572.32	1/2	4,253.50	1/2	3,919.55	1/2	3,570.45	1/2	3,212.88	1/2	2,854.09	1/2	2,494.91
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,565.84	3/4	4,246.71	3/4	3,912.44	3/4	3,563.03	3/4	3,205.43	3/4	2,846.61	3/4	2,487.43
9	9	9	9	9	9	9	9	9	4,559.33	9	4,239.89	9	3,905.30	9	3,555.58	9	3,197.98	9	2,839.12	9	2,479.95
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,552.83	1/4	4,233.07	1/4	3,898.17	1/4	3,548.14	1/4	3,190.53	1/4	2,831.64	1/4	2,472.47
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,546.32	1/2	4,226.25	1/2	3,891.03	1/2	3,540.70	1/2	3,183.08	1/2	2,824.16	1/2	2,464.98
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,539.81	3/4	4,219.43	3/4	3,883.89	3/4	3,533.26	3/4	3,175.63	3/4	2,816.67	3/4	2,457.50
10	10	10	10	10	10	10	10	10	4,533.28	10	4,212.58	10	3,876.73	10	3,525.80	10	3,168.18	10	2,809.19	10	2,450.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,526.75	1/4	4,205.73	1/4	3,869.57	1/4	3,518.35	1/4	3,160.72	1/4	2,801.71	1/4	2,442.53
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,520.22	1/2	4,198.88	1/2	3,862.41	1/2	3,510.90	1/2	3,153.27	1/2	2,794.23	1/2	2,435.05
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,513.69	3/4	4,192.04	3/4	3,855.25	3/4	3,503.45	3/4	3,145.82	3/4	2,786.74	3/4	2,427.57
11	11	11	11	11	11	11	11	11	4,507.13	11	4,185.16	11	3,848.06	11	3,496.00	11	3,138.36	11	2,779.26	11	2,420.09
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,500.57	1/4	4,178.29	1/4	3,840.87	1/4	3,488.55	1/4	3,130.91	1/4	2,771.78	1/4	2,412.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,494.01	1/2	4,171.42	1/2	3,833.68	1/2	3,481.10	1/2	3,123.45	1/2	2,764.29	1/2	2,405.12
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,487.45	3/4	4,164.54	3/4	3,826.49	3/4	3,473.65	3/4	3,115.99	3/4	2,756.81	3/4	2,397.64

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 ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 52'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>





# BARGE "KIRBY 29107"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	2,382.67	1/4	2,023.50	1/4	1,664.32	1/4	1,305.15	1/4	946.26	1/4	587.20	1/4	228.04	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,375.19	1/2	2,016.01	1/2	1,656.84	1/2	1,297.67	1/2	938.79	1/2	579.72	1/2	220.56	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,367.71	3/4	2,008.53	3/4	1,649.36	3/4	1,290.18	3/4	931.32	3/4	572.24	3/4	213.08	3/4	3/4	3/4	3/4	3/4	3/4
1	2,360.22	1	2,001.05	1	1,641.87	1	1,282.70	1	923.85	1	564.75	1	205.60	1	1	1	1	1	1
1/4	2,352.74	1/4	1,993.57	1/4	1,634.39	1/4	1,275.22	1/4	916.38	1/4	557.27	1/4	198.12	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,345.26	1/2	1,986.08	1/2	1,626.91	1/2	1,267.73	1/2	908.91	1/2	549.79	1/2	190.64	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,337.78	3/4	1,978.60	3/4	1,619.43	3/4	1,260.25	3/4	901.44	3/4	542.31	3/4	183.15	3/4	3/4	3/4	3/4	3/4	3/4
2	2,330.29	2	1,971.12	2	1,611.94	2	1,252.77	2	893.96	2	534.82	2	175.68	2	2	2	2	2	2
1/4	2,322.81	1/4	1,963.64	1/4	1,604.46	1/4	1,245.29	1/4	886.49	1/4	527.34	1/4	168.21	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,315.33	1/2	1,956.15	1/2	1,596.98	1/2	1,237.80	1/2	879.01	1/2	519.86	1/2	160.73	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,307.84	3/4	1,948.67	3/4	1,589.50	3/4	1,230.32	3/4	871.54	3/4	512.38	3/4	153.26	3/4	3/4	3/4	3/4	3/4	3/4
3	2,300.36	3	1,941.19	3	1,582.01	3	1,222.84	3	864.05	3	504.89	3	145.80	3	3	3	3	3	3
1/4	2,292.88	1/4	1,933.70	1/4	1,574.53	1/4	1,215.36	1/4	856.57	1/4	497.41	1/4	138.33	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,285.40	1/2	1,926.22	1/2	1,567.05	1/2	1,207.87	1/2	849.09	1/2	489.93	1/2	130.87	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,277.91	3/4	1,918.74	3/4	1,559.56	3/4	1,200.39	3/4	841.61	3/4	482.45	3/4	123.41	3/4	3/4	3/4	3/4	3/4	3/4
4	2,270.43	4	1,911.26	4	1,552.08	4	1,192.91	4	834.12	4	474.96	4	115.96	4	4	4	4	4	4
1/4	2,262.95	1/4	1,903.77	1/4	1,544.60	1/4	1,185.42	1/4	826.64	1/4	467.48	1/4	108.52	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,255.46	1/2	1,896.29	1/2	1,537.12	1/2	1,177.94	1/2	819.16	1/2	460.00	1/2	101.07	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,247.98	3/4	1,888.81	3/4	1,529.63	3/4	1,170.46	3/4	811.68	3/4	452.52	3/4	93.63	3/4	3/4	3/4	3/4	3/4	3/4
5	2,240.50	5	1,881.32	5	1,522.15	5	1,162.98	5	804.19	5	445.03	5	86.21	5	5	5	5	5	5
1/4	2,233.02	1/4	1,873.84	1/4	1,514.67	1/4	1,155.49	1/4	796.71	1/4	437.55	1/4	78.80	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,225.53	1/2	1,866.36	1/2	1,507.18	1/2	1,148.01	1/2	789.23	1/2	430.07	1/2	71.39	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,218.05	3/4	1,858.88	3/4	1,499.70	3/4	1,140.53	3/4	781.75	3/4	422.59	3/4	63.97	3/4	3/4	3/4	3/4	3/4	3/4
6	2,210.57	6	1,851.39	6	1,492.22	6	1,133.05	6	774.26	6	415.10	6	57.02	6	6	6	6	6	6
1/4	2,203.08	1/4	1,843.91	1/4	1,484.74	1/4	1,125.57	1/4	766.78	1/4	407.62	1/4	50.07	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,195.60	1/2	1,836.43	1/2	1,477.25	1/2	1,118.09	1/2	759.30	1/2	400.14	1/2	43.11	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,188.12	3/4	1,828.94	3/4	1,469.77	3/4	1,110.61	3/4	751.82	3/4	392.66	3/4	36.16	3/4	3/4	3/4	3/4	3/4	3/4
7	2,180.64	7	1,821.46	7	1,462.29	7	1,103.14	7	744.33	7	385.17	7	30.86	7	7	7	7	7	7
1/4	2,173.15	1/4	1,813.98	1/4	1,454.80	1/4	1,095.67	1/4	736.85	1/4	377.69	1/4	25.56	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,165.67	1/2	1,806.50	1/2	1,447.32	1/2	1,088.20	1/2	729.37	1/2	370.21	1/2	20.26	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,158.19	3/4	1,799.01	3/4	1,439.84	3/4	1,080.73	3/4	721.89	3/4	362.73	3/4	14.97	3/4	3/4	3/4	3/4	3/4	3/4
8	2,150.71	8	1,791.53	8	1,432.36	8	1,073.26	8	714.40	8	355.24	8		8	8	8	8	8	8
1/4	2,143.22	1/4	1,784.05	1/4	1,424.87	1/4	1,065.79	1/4	706.92	1/4	347.76	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,135.74	1/2	1,776.57	1/2	1,417.39	1/2	1,058.32	1/2	699.44	1/2	340.28	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,128.26	3/4	1,769.08	3/4	1,409.91	3/4	1,050.85	3/4	691.96	3/4	332.80	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,120.77	9	1,761.60	9	1,402.43	9	1,043.38	9	684.47	9	325.31	9		9	9	9	9	9	9
1/4	2,113.29	1/4	1,754.12	1/4	1,394.94	1/4	1,035.91	1/4	676.99	1/4	317.83	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,105.81	1/2	1,746.63	1/2	1,387.46	1/2	1,028.44	1/2	669.51	1/2	310.35	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,098.33	3/4	1,739.15	3/4	1,379.98	3/4	1,020.97	3/4	662.03	3/4	302.87	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	2,090.84	10	1,731.67	10	1,372.49	10	1,013.50	10	654.54	10	295.38	10		10	10	10	10	10	10
1/4	2,083.36	1/4	1,724.19	1/4	1,365.01	1/4	1,006.03	1/4	647.06	1/4	287.90	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,075.88	1/2	1,716.70	1/2	1,357.53	1/2	998.56	1/2	639.58	1/2	280.42	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,068.39	3/4	1,709.22	3/4	1,350.05	3/4	991.08	3/4	632.10	3/4	272.94	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,060.91	11	1,701.74	11	1,342.56	11	983.61	11	624.61	11	265.45	11		11	11	11	11	11	11
1/4	2,053.43	1/4	1,694.25	1/4	1,335.08	1/4	976.14	1/4	617.13	1/4	257.97	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,045.95	1/2	1,686.77	1/2	1,327.60	1/2	968.67	1/2	609.65	1/2	250.49	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,038.46	3/4	1,679.29	3/4	1,320.11	3/4	961.20	3/4	602.17	3/4	243.01	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/01/2013 CL  
CALCULATED: 03/01/2013 CL  
VERIFIED: 07/13/2023 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2023

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



# BARGE "KIRBY 29107"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
							4,348.90		4,107.23		3,860.29		3,601.36		3,330.83		2,974.96		2,618.47
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,344.75	1/4	4,102.21	1/4	3,855.01	1/4	3,595.82	1/4	3,323.40	1/4	2,967.53	1/4	2,611.04
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,340.60	1/2	4,097.18	1/2	3,849.73	1/2	3,590.29	1/2	3,315.97	1/2	2,960.11	1/2	2,603.62
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,336.44	3/4	4,092.15	3/4	3,844.45	3/4	3,584.76	3/4	3,308.54	3/4	2,952.68	3/4	2,596.19
<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>4,332.29</b>	<b>1</b>	<b>4,087.12</b>	<b>1</b>	<b>3,839.17</b>	<b>1</b>	<b>3,579.22</b>	<b>1</b>	<b>3,301.11</b>	<b>1</b>	<b>2,945.25</b>	<b>1</b>	<b>2,588.76</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,326.93	1/4	4,082.07	1/4	3,833.87	1/4	3,573.67	1/4	3,293.68	1/4	2,937.83	1/4	2,581.33
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,321.58	1/2	4,077.02	1/2	3,828.57	1/2	3,568.12	1/2	3,286.25	1/2	2,930.40	1/2	2,573.91
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,316.22	3/4	4,071.97	3/4	3,823.27	3/4	3,562.57	3/4	3,278.82	3/4	2,922.97	3/4	2,566.48
<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>4,310.86</b>	<b>2</b>	<b>4,066.92</b>	<b>2</b>	<b>3,817.97</b>	<b>2</b>	<b>3,557.02</b>	<b>2</b>	<b>3,271.39</b>	<b>2</b>	<b>2,915.55</b>	<b>2</b>	<b>2,559.05</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,305.16	1/4	4,061.85	1/4	3,812.65	1/4	3,551.45	1/4	3,263.96	1/4	2,908.12	1/4	2,551.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,299.45	1/2	4,056.78	1/2	3,807.33	1/2	3,545.88	1/2	3,256.53	1/2	2,900.69	1/2	2,544.20
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,293.75	3/4	4,051.71	3/4	3,802.01	3/4	3,540.31	3/4	3,249.10	3/4	2,893.26	3/4	2,536.77
<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>4,288.04</b>	<b>3</b>	<b>4,046.64</b>	<b>3</b>	<b>3,796.68</b>	<b>3</b>	<b>3,534.74</b>	<b>3</b>	<b>3,241.67</b>	<b>3</b>	<b>2,885.84</b>	<b>3</b>	<b>2,529.35</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,282.34	1/4	4,041.55	1/4	3,791.34	1/4	3,529.15	1/4	3,234.24	1/4	2,878.41	1/4	2,521.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,276.63	1/2	4,036.46	1/2	3,786.00	1/2	3,523.56	1/2	3,226.81	1/2	2,870.98	1/2	2,514.49
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,270.93	3/4	4,031.36	3/4	3,780.66	3/4	3,517.97	3/4	3,219.38	3/4	2,863.56	3/4	2,507.07
<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4,265.22</b>	<b>4</b>	<b>4,026.27</b>	<b>4</b>	<b>3,775.32</b>	<b>4</b>	<b>3,512.37</b>	<b>4</b>	<b>3,211.95</b>	<b>4</b>	<b>2,856.13</b>	<b>4</b>	<b>2,499.64</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,260.36	1/4	4,021.16	1/4	3,769.96	1/4	3,506.76	1/4	3,204.55	1/4	2,848.70	1/4	2,492.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,255.49	1/2	4,016.05	1/2	3,764.59	1/2	3,501.15	1/2	3,197.14	1/2	2,841.28	1/2	2,484.79
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,250.63	3/4	4,010.94	3/4	3,759.23	3/4	3,495.54	3/4	3,189.74	3/4	2,833.85	3/4	2,477.36
<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>4,245.77</b>	<b>5</b>	<b>4,005.82</b>	<b>5</b>	<b>3,753.86</b>	<b>5</b>	<b>3,489.93</b>	<b>5</b>	<b>3,182.34</b>	<b>5</b>	<b>2,826.42</b>	<b>5</b>	<b>2,469.93</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,240.88	1/4	4,000.69	1/4	3,748.48	1/4	3,484.29	1/4	3,174.93	1/4	2,819.00	1/4	2,462.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,236.00	1/2	3,995.55	1/2	3,743.10	1/2	3,478.66	1/2	3,167.53	1/2	2,811.57	1/2	2,455.08
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,231.12	3/4	3,990.42	3/4	3,737.72	3/4	3,473.02	3/4	3,160.13	3/4	2,804.14	3/4	2,447.65
<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>4,226.23</b>	<b>6</b>	<b>3,985.28</b>	<b>6</b>	<b>3,732.33</b>	<b>6</b>	<b>3,467.39</b>	<b>6</b>	<b>3,152.73</b>	<b>6</b>	<b>2,796.72</b>	<b>6</b>	<b>2,440.22</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,221.33	1/4	3,980.13	1/4	3,726.93	1/4	3,461.74	1/4	3,145.32	1/4	2,789.29	1/4	2,432.80
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,216.42	1/2	3,974.98	1/2	3,721.52	1/2	3,456.08	1/2	3,137.92	1/2	2,781.86	1/2	2,425.37
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,211.51	3/4	3,969.82	3/4	3,716.12	3/4	3,450.43	3/4	3,130.52	3/4	2,774.43	3/4	2,417.94
<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>4,206.61</b>	<b>7</b>	<b>3,964.67</b>	<b>7</b>	<b>3,710.71</b>	<b>7</b>	<b>3,444.78</b>	<b>7</b>	<b>3,123.11</b>	<b>7</b>	<b>2,767.01</b>	<b>7</b>	<b>2,410.52</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,201.68	1/4	3,959.49	1/4	3,705.29	1/4	3,439.10	1/4	3,115.71	1/4	2,759.58	1/4	2,403.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,196.76	1/2	3,954.31	1/2	3,699.86	1/2	3,433.42	1/2	3,108.31	1/2	2,752.15	1/2	2,395.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,191.83	3/4	3,949.13	3/4	3,694.44	3/4	3,427.75	3/4	3,100.91	3/4	2,744.73	3/4	2,388.24
<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>4,186.91</b>	<b>8</b>	<b>3,943.96</b>	<b>8</b>	<b>3,689.02</b>	<b>8</b>	<b>3,422.07</b>	<b>8</b>	<b>3,093.50</b>	<b>8</b>	<b>2,737.30</b>	<b>8</b>	<b>2,380.81</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,181.96	1/4	3,938.76	1/4	3,683.57	1/4	3,416.38	1/4	3,086.10	1/4	2,729.87	1/4	2,373.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,177.01	1/2	3,933.56	1/2	3,678.12	1/2	3,410.68	1/2	3,078.70	1/2	2,722.45	1/2	2,365.95
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,172.06	3/4	3,928.37	3/4	3,672.67	3/4	3,404.99	3/4	3,071.29	3/4	2,715.02	3/4	2,358.53
<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>4,167.11</b>	<b>9</b>	<b>3,923.17</b>	<b>9</b>	<b>3,667.22</b>	<b>9</b>	<b>3,399.29</b>	<b>9</b>	<b>3,063.89</b>	<b>9</b>	<b>2,707.59</b>	<b>9</b>	<b>2,351.10</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,162.14	1/4	3,917.95	1/4	3,661.76	1/4	3,393.58	1/4	3,056.49	1/4	2,700.17	1/4	2,343.67
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,157.17	1/2	3,912.73	1/2	3,656.29	1/2	3,387.88	1/2	3,049.09	1/2	2,692.74	1/2	2,336.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,152.21	3/4	3,907.51	3/4	3,650.82	3/4	3,382.18	3/4	3,041.68	3/4	2,685.31	3/4	2,328.82
<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>4,147.24</b>	<b>10</b>	<b>3,902.29</b>	<b>10</b>	<b>3,645.36</b>	<b>10</b>	<b>3,376.47</b>	<b>10</b>	<b>3,034.28</b>	<b>10</b>	<b>2,677.88</b>	<b>10</b>	<b>2,321.39</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,142.25	1/4	3,897.05	1/4	3,639.87	1/4	3,370.77	1/4	3,026.88	1/4	2,670.46	1/4	2,313.96
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,137.26	1/2	3,891.81	1/2	3,634.37	1/2	3,365.06	1/2	3,019.47	1/2	2,663.03	1/2	2,306.53
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,132.26	3/4	3,886.58	3/4	3,628.88	3/4	3,359.36	3/4	3,012.07	3/4	2,655.60	3/4	2,299.11
<b>11</b>	<b>11</b>	<b>11</b>	<b>4,367.44</b>	<b>11</b>	<b>4,127.27</b>	<b>11</b>	<b>3,881.34</b>	<b>11</b>	<b>3,623.39</b>	<b>11</b>	<b>3,353.65</b>	<b>11</b>	<b>3,004.67</b>	<b>11</b>	<b>2,648.18</b>	<b>11</b>	<b>2,291.68</b>		
1/4	1/4	1/4	4,362.81	1/4	4,122.26	1/4	3,876.08	1/4	3,617.88	1/4	3,347.95	1/4	3,347.95	1/4	2,997.24	1/4	2,640.75	1/4	2,284.25
1/2	1/2	1/2	4,358.17	1/2	4,117.25	1/2	3,870.81	1/2	3,612.38	1/2	3,342.24	1/2	3,342.24	1/2	2,989.81	1/2	2,633.32	1/2	2,276.83
3/4	3/4	3/4	4,353.54	3/4	4,112.24	3/4	3,865.55	3/4	3,606.87	3/4	3,336.54	3/4	3,336.54	3/4	2,982.39	3/4	2,625.90	3/4	2,269.40

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 ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-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 "KIRBY 29107"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05"

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	2,261.97	0	1,905.00	0	1,549.07	0	1,192.95	0	848.16	0	491.07	0	133.82	0		0		0	
1/4	2,254.54	1/4	1,897.59	1/4	1,541.63	1/4	1,185.78	1/4	840.73	1/4	483.63	1/4	126.37	1/4	1/4	1/4		1/4	
1/2	2,247.12	1/2	1,890.17	1/2	1,534.19	1/2	1,178.60	1/2	833.31	1/2	476.18	1/2	118.93	1/2	1/2	1/2		1/2	
3/4	2,239.69	3/4	1,882.76	3/4	1,526.75	3/4	1,171.43	3/4	825.89	3/4	468.74	3/4	111.49	3/4	3/4	3/4		3/4	
1	2,232.26	1	1,875.34	1	1,519.31	1	1,164.26	1	818.47	1	461.30	1	104.05	1	1	1		1	
1/4	2,224.83	1/4	1,867.92	1/4	1,511.86	1/4	1,157.08	1/4	811.05	1/4	453.86	1/4	96.92	1/4	1/4	1/4		1/4	
1/2	2,217.41	1/2	1,860.51	1/2	1,504.42	1/2	1,149.91	1/2	803.63	1/2	446.41	1/2	89.79	1/2	1/2	1/2		1/2	
3/4	2,209.98	3/4	1,853.09	3/4	1,496.98	3/4	1,142.74	3/4	796.20	3/4	438.97	3/4	82.66	3/4	3/4	3/4		3/4	
2	2,202.55	2	1,845.68	2	1,489.54	2	1,135.56	2	788.78	2	431.53	2	75.54	2	2	2		2	
1/4	2,195.12	1/4	1,838.26	1/4	1,482.10	1/4	1,128.39	1/4	781.34	1/4	424.09	1/4	69.35	1/4	1/4	1/4		1/4	
1/2	2,187.70	1/2	1,830.85	1/2	1,474.66	1/2	1,121.22	1/2	773.90	1/2	416.64	1/2	63.16	1/2	1/2	1/2		1/2	
3/4	2,180.27	3/4	1,823.43	3/4	1,467.21	3/4	1,114.04	3/4	766.45	3/4	409.20	3/4	56.98	3/4	3/4	3/4		3/4	
3	2,172.84	3	1,816.02	3	1,459.77	3	1,106.87	3	759.01	3	401.76	3	50.79	3	3	3		3	
1/4	2,165.41	1/4	1,808.60	1/4	1,452.33	1/4	1,099.70	1/4	751.57	1/4	394.31	1/4	45.86	1/4	1/4	1/4		1/4	
1/2	2,157.99	1/2	1,801.19	1/2	1,444.89	1/2	1,092.52	1/2	744.13	1/2	386.87	1/2	40.93	1/2	1/2	1/2		1/2	
3/4	2,150.56	3/4	1,793.77	3/4	1,437.45	3/4	1,085.35	3/4	736.68	3/4	379.43	3/4	36.00	3/4	3/4	3/4		3/4	
4	2,143.13	4	1,786.36	4	1,430.01	4	1,078.18	4	729.24	4	371.99	4	31.07	4	4	4		4	
1/4	2,135.69	1/4	1,778.94	1/4	1,422.57	1/4	1,071.02	1/4	721.80	1/4	364.54	1/4	27.40	1/4	1/4	1/4		1/4	
1/2	2,128.25	1/2	1,771.53	1/2	1,415.12	1/2	1,063.86	1/2	714.35	1/2	357.10	1/2	23.74	1/2	1/2	1/2		1/2	
3/4	2,120.81	3/4	1,764.11	3/4	1,407.68	3/4	1,056.70	3/4	706.91	3/4	349.66	3/4	20.07	3/4	3/4	3/4		3/4	
5	2,113.37	5	1,756.70	5	1,400.24	5	1,049.54	5	699.47	5	342.21	5	16.40	5	5	5		5	
1/4	2,105.92	1/4	1,749.28	1/4	1,392.80	1/4	1,042.38	1/4	692.03	1/4	334.77	1/4		1/4	1/4	1/4		1/4	
1/2	2,098.48	1/2	1,741.87	1/2	1,385.36	1/2	1,035.22	1/2	684.58	1/2	327.33	1/2		1/2	1/2	1/2		1/2	
3/4	2,091.04	3/4	1,734.45	3/4	1,377.92	3/4	1,028.06	3/4	677.14	3/4	319.89	3/4		3/4	3/4	3/4		3/4	
6	2,083.60	6	1,727.04	6	1,370.48	6	1,020.90	6	669.70	6	312.44	6		6	6	6		6	
1/4	2,076.16	1/4	1,719.62	1/4	1,363.03	1/4	1,013.74	1/4	662.25	1/4	305.00	1/4		1/4	1/4	1/4		1/4	
1/2	2,068.72	1/2	1,712.21	1/2	1,355.59	1/2	1,006.59	1/2	654.81	1/2	297.56	1/2		1/2	1/2	1/2		1/2	
3/4	2,061.27	3/4	1,704.79	3/4	1,348.15	3/4	999.43	3/4	647.37	3/4	290.11	3/4		3/4	3/4	3/4		3/4	
7	2,053.83	7	1,697.38	7	1,340.71	7	992.28	7	639.93	7	282.67	7		7	7	7		7	
1/4	2,046.39	1/4	1,689.96	1/4	1,333.27	1/4	985.12	1/4	632.48	1/4	275.23	1/4		1/4	1/4	1/4		1/4	
1/2	2,038.95	1/2	1,682.54	1/2	1,325.83	1/2	977.97	1/2	625.04	1/2	267.79	1/2		1/2	1/2	1/2		1/2	
3/4	2,031.51	3/4	1,675.13	3/4	1,318.38	3/4	970.82	3/4	617.60	3/4	260.34	3/4		3/4	3/4	3/4		3/4	
8	2,024.07	8	1,667.71	8	1,310.94	8	963.67	8	610.16	8	252.90	8		8	8	8		8	
1/4	2,016.62	1/4	1,660.30	1/4	1,303.50	1/4	956.52	1/4	602.71	1/4	245.46	1/4		1/4	1/4	1/4		1/4	
1/2	2,009.18	1/2	1,652.88	1/2	1,296.06	1/2	949.36	1/2	595.27	1/2	238.02	1/2		1/2	1/2	1/2		1/2	
3/4	2,001.74	3/4	1,645.47	3/4	1,288.62	3/4	942.21	3/4	587.83	3/4	230.57	3/4		3/4	3/4	3/4		3/4	
9	1,994.30	9	1,638.05	9	1,281.18	9	935.06	9	580.38	9	223.13	9		9	9	9		9	
1/4	1,986.86	1/4	1,630.64	1/4	1,273.74	1/4	927.91	1/4	572.94	1/4	215.69	1/4		1/4	1/4	1/4		1/4	
1/2	1,979.42	1/2	1,623.22	1/2	1,266.29	1/2	920.76	1/2	565.50	1/2	208.24	1/2		1/2	1/2	1/2		1/2	
3/4	1,971.98	3/4	1,615.81	3/4	1,258.85	3/4	913.60	3/4	558.06	3/4	200.80	3/4		3/4	3/4	3/4		3/4	
10	1,964.53	10	1,608.39	10	1,251.41	10	906.45	10	550.61	10	193.36	10		10	10	10		10	
1/4	1,957.09	1/4	1,600.98	1/4	1,243.97	1/4	899.30	1/4	543.17	1/4	185.92	1/4		1/4	1/4	1/4		1/4	
1/2	1,949.65	1/2	1,593.56	1/2	1,236.53	1/2	892.15	1/2	535.73	1/2	178.47	1/2		1/2	1/2	1/2		1/2	
3/4	1,942.21	3/4	1,586.15	3/4	1,229.09	3/4	884.99	3/4	528.28	3/4	171.03	3/4		3/4	3/4	3/4		3/4	
11	1,934.77	11	1,578.73	11	1,221.65	11	877.84	11	520.84	11	163.59	11		11	11	11		11	
1/4	1,927.33	1/4	1,571.32	1/4	1,214.21	1/4	870.42	1/4	513.40	1/4	156.14	1/4		1/4	1/4	1/4		1/4	
1/2	1,919.88	1/2	1,563.90	1/2	1,207.30	1/2	863.00	1/2	505.96	1/2	148.70	1/2		1/2	1/2	1/2		1/2	
3/4	1,912.44	3/4	1,556.49	3/4	1,200.12	3/4	855.58	3/4	498.51	3/4	141.26	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/01/2013 CL  
CALCULATED: 03/01/2013 CL  
VERIFIED: 07/13/2023 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2023

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



# BARGE "KIRBY 29107"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	4,379.32	0	4,136.98	0	3,889.25	0	3,629.52	0	3,358.13	0	3,002.21	0	2,644.56		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,374.66	1/4	4,131.95	1/4	3,883.97	1/4	3,623.99	1/4	3,352.40	1/4	2,994.75	1/4	2,637.11		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,370.49	1/2	4,126.90	1/2	3,878.66	1/2	3,618.44	1/2	3,344.95	1/2	2,987.30	1/2	2,629.66		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,366.31	3/4	4,121.85	3/4	3,873.36	3/4	3,612.88	3/4	3,337.50	3/4	2,979.85	3/4	2,622.20		
1		1		1		1	4,362.14	1	4,116.81	1	3,868.06	1	3,607.33	1	3,330.05	1	2,972.40	1	2,614.75		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,357.96	1/4	4,111.76	1/4	3,862.76	1/4	3,601.77	1/4	3,322.60	1/4	2,964.95	1/4	2,607.30		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,352.59	1/2	4,106.68	1/2	3,857.44	1/2	3,596.20	1/2	3,315.15	1/2	2,957.50	1/2	2,599.85		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,347.21	3/4	4,101.61	3/4	3,852.12	3/4	3,590.63	3/4	3,307.70	3/4	2,950.05	3/4	2,592.40		
2		2		2		2	4,341.83	2	4,096.54	2	3,846.80	2	3,585.05	2	3,300.25	2	2,942.60	2	2,584.95		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,336.45	1/4	4,091.47	1/4	3,841.48	1/4	3,579.48	1/4	3,292.79	1/4	2,935.15	1/4	2,577.50		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,330.72	1/2	4,086.37	1/2	3,836.13	1/2	3,573.89	1/2	3,285.34	1/2	2,927.70	1/2	2,570.05		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,325.00	3/4	4,081.28	3/4	3,830.79	3/4	3,568.30	3/4	3,277.89	3/4	2,920.24	3/4	2,562.60		
3		3		3		3	4,319.27	3	4,076.19	3	3,825.45	3	3,562.71	3	3,270.44	3	2,912.79	3	2,555.15		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,313.54	1/4	4,071.10	1/4	3,820.10	1/4	3,557.12	1/4	3,262.99	1/4	2,905.34	1/4	2,547.69		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,307.82	1/2	4,065.99	1/2	3,814.74	1/2	3,551.50	1/2	3,255.54	1/2	2,897.89	1/2	2,540.24		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,302.09	3/4	4,060.87	3/4	3,809.38	3/4	3,545.89	3/4	3,248.09	3/4	2,890.44	3/4	2,532.79		
4		4		4		4	4,296.36	4	4,055.76	4	3,804.02	4	3,540.27	4	3,240.64	4	2,882.99	4	2,525.34		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,290.64	1/4	4,050.64	1/4	3,798.66	1/4	3,534.66	1/4	3,233.19	1/4	2,875.54	1/4	2,517.89		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,285.75	1/2	4,045.51	1/2	3,793.27	1/2	3,529.03	1/2	3,225.74	1/2	2,868.09	1/2	2,510.44		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,280.87	3/4	4,040.38	3/4	3,787.88	3/4	3,523.39	3/4	3,218.28	3/4	2,860.64	3/4	2,502.99		
5		5		5		5	4,275.98	5	4,035.24	5	3,782.50	5	3,517.76	5	3,210.83	5	2,853.19	5	2,495.54		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,271.09	1/4	4,030.11	1/4	3,777.11	1/4	3,512.13	1/4	3,203.38	1/4	2,845.73	1/4	2,488.09		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,266.19	1/2	4,024.95	1/2	3,771.71	1/2	3,506.47	1/2	3,195.93	1/2	2,838.28	1/2	2,480.64		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,261.28	3/4	4,019.79	3/4	3,766.30	3/4	3,500.81	3/4	3,188.48	3/4	2,830.83	3/4	2,473.18		
6		6		6		6	4,256.38	6	4,014.64	6	3,760.90	6	3,495.16	6	3,181.03	6	2,823.38	6	2,465.73		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,251.47	1/4	4,009.48	1/4	3,755.50	1/4	3,489.50	1/4	3,173.58	1/4	2,815.93	1/4	2,458.28		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,246.55	1/2	4,004.31	1/2	3,750.07	1/2	3,483.82	1/2	3,166.13	1/2	2,808.48	1/2	2,450.83		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,241.62	3/4	3,999.13	3/4	3,744.64	3/4	3,478.15	3/4	3,158.68	3/4	2,801.03	3/4	2,443.38		
7		7		7		7	4,236.69	7	3,993.95	7	3,739.21	7	3,472.47	7	3,151.23	7	2,793.58	7	2,435.93		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,231.76	1/4	3,988.78	1/4	3,733.79	1/4	3,466.80	1/4	3,143.77	1/4	2,786.13	1/4	2,428.48		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,226.81	1/2	3,983.58	1/2	3,728.34	1/2	3,461.10	1/2	3,136.32	1/2	2,778.68	1/2	2,421.03		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,221.87	3/4	3,978.38	3/4	3,722.89	3/4	3,455.40	3/4	3,128.87	3/4	2,771.22	3/4	2,413.58		
8		8		8		8	4,216.92	8	3,973.18	8	3,717.45	8	3,449.70	8	3,121.42	8	2,763.77	8	2,406.13		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,211.97	1/4	3,967.98	1/4	3,712.00	1/4	3,444.01	1/4	3,113.97	1/4	2,756.32	1/4	2,398.67		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,207.00	1/2	3,962.76	1/2	3,706.53	1/2	3,438.29	1/2	3,106.52	1/2	2,748.87	1/2	2,391.22		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,202.03	3/4	3,957.55	3/4	3,701.06	3/4	3,432.57	3/4	3,099.07	3/4	2,741.42	3/4	2,383.77		
9		9		9		9	4,197.06	9	3,952.33	9	3,695.59	9	3,426.85	9	3,091.62	9	2,733.97	9	2,376.32		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,192.09	1/4	3,947.11	1/4	3,690.12	1/4	3,421.14	1/4	3,084.17	1/4	2,726.52	1/4	2,368.87		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,187.10	1/2	3,941.87	1/2	3,684.63	1/2	3,415.41	1/2	3,076.72	1/2	2,719.07	1/2	2,361.42		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,182.11	3/4	3,936.63	3/4	3,679.14	3/4	3,409.68	3/4	3,069.26	3/4	2,711.62	3/4	2,353.97		
10		10		10		10	4,177.12	10	3,931.39	10	3,673.65	10	3,403.95	10	3,061.81	10	2,704.17	10	2,346.52		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,172.13	1/4	3,926.14	1/4	3,668.17	1/4	3,398.22	1/4	3,054.36	1/4	2,696.71	1/4	2,339.07		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,167.12	1/2	3,920.88	1/2	3,662.65	1/2	3,392.50	1/2	3,046.91	1/2	2,689.26	1/2	2,331.62		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,162.10	3/4	3,915.62	3/4	3,657.14	3/4	3,386.77	3/4	3,039.46	3/4	2,681.81	3/4	2,324.16		
11		11		11		11	4,157.09	11	3,910.36	11	3,651.63	11	3,381.04	11	3,032.01	11	2,674.36	11	2,316.71		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,393.29	1/4	4,152.08	1/4	3,905.11	1/4	3,646.11	1/4	3,375.31	1/4	3,024.56	1/4	2,666.91	1/4	2,309.26
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,388.63	1/2	4,147.05	1/2	3,899.82	1/2	3,640.58	1/2	3,369.59	1/2	3,017.11	1/2	2,659.46	1/2	2,301.81
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,383.97	3/4	4,142.01	3/4	3,894.54	3/4	3,635.05	3/4	3,363.86	3/4	3,009.66	3/4	2,652.01	3/4	2,294.36

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 ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 51'-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 "KIRBY 29107"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 1/4"

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	2,286.91	0	1,929.26	0	1,571.61	0	1,213.97	0	856.59	0	499.06	0	141.42	0		0		0	
1/4	2,279.46	1/4	1,921.81	1/4	1,564.16	1/4	1,206.51	1/4	849.15	1/4	491.61	1/4	133.97	1/4		1/4		1/4	
1/2	2,272.01	1/2	1,914.36	1/2	1,556.71	1/2	1,199.06	1/2	841.72	1/2	484.16	1/2	126.52	1/2		1/2		1/2	
3/4	2,264.56	3/4	1,906.91	3/4	1,549.26	3/4	1,191.61	3/4	834.28	3/4	476.71	3/4	119.07	3/4		3/4		3/4	
1	2,257.11	1	1,899.46	1	1,541.81	1	1,184.16	1	826.84	1	469.26	1	111.62	1		1		1	
1/4	2,249.65	1/4	1,892.01	1/4	1,534.36	1/4	1,176.71	1/4	819.40	1/4	461.81	1/4	104.17	1/4		1/4		1/4	
1/2	2,242.20	1/2	1,884.56	1/2	1,526.91	1/2	1,169.26	1/2	811.96	1/2	454.36	1/2	97.04	1/2		1/2		1/2	
3/4	2,234.75	3/4	1,877.10	3/4	1,519.46	3/4	1,161.81	3/4	804.52	3/4	446.91	3/4	89.90	3/4		3/4		3/4	
2	2,227.30	2	1,869.65	2	1,512.01	2	1,154.36	2	797.08	2	439.45	2	82.76	2		2		2	
1/4	2,219.85	1/4	1,862.20	1/4	1,504.55	1/4	1,146.91	1/4	789.64	1/4	432.00	1/4	75.63	1/4		1/4		1/4	
1/2	2,212.40	1/2	1,854.75	1/2	1,497.10	1/2	1,139.46	1/2	782.19	1/2	424.55	1/2	69.43	1/2		1/2		1/2	
3/4	2,204.95	3/4	1,847.30	3/4	1,489.65	3/4	1,132.00	3/4	774.74	3/4	417.10	3/4	63.24	3/4		3/4		3/4	
3	2,197.50	3	1,839.85	3	1,482.20	3	1,124.55	3	767.29	3	409.65	3	57.04	3		3		3	
1/4	2,190.05	1/4	1,832.40	1/4	1,474.75	1/4	1,117.10	1/4	759.84	1/4	402.20	1/4	50.85	1/4		1/4		1/4	
1/2	2,182.60	1/2	1,824.95	1/2	1,467.30	1/2	1,109.65	1/2	752.39	1/2	394.75	1/2	45.91	1/2		1/2		1/2	
3/4	2,175.14	3/4	1,817.50	3/4	1,459.85	3/4	1,102.20	3/4	744.94	3/4	387.30	3/4	40.97	3/4		3/4		3/4	
4	2,167.69	4	1,810.05	4	1,452.40	4	1,094.75	4	737.49	4	379.85	4	36.03	4		4		4	
1/4	2,160.24	1/4	1,802.59	1/4	1,444.95	1/4	1,087.30	1/4	730.04	1/4	372.40	1/4	31.09	1/4		1/4		1/4	
1/2	2,152.79	1/2	1,795.14	1/2	1,437.50	1/2	1,079.85	1/2	722.59	1/2	364.95	1/2	27.42	1/2		1/2		1/2	
3/4	2,145.34	3/4	1,787.69	3/4	1,430.04	3/4	1,072.40	3/4	715.13	3/4	357.50	3/4	23.74	3/4		3/4		3/4	
5	2,137.89	5	1,780.24	5	1,422.59	5	1,064.95	5	707.68	5	350.05	5	20.07	5		5		5	
1/4	2,130.44	1/4	1,772.79	1/4	1,415.14	1/4	1,057.49	1/4	700.23	1/4	342.59	1/4	16.39	1/4		1/4		1/4	
1/2	2,122.99	1/2	1,765.34	1/2	1,407.69	1/2	1,050.04	1/2	692.78	1/2	335.14	1/2		1/2		1/2		1/2	
3/4	2,115.54	3/4	1,757.89	3/4	1,400.24	3/4	1,042.59	3/4	685.33	3/4	327.69	3/4		3/4		3/4		3/4	
6	2,108.09	6	1,750.44	6	1,392.79	6	1,035.14	6	677.88	6	320.24	6		6		6		6	
1/4	2,100.63	1/4	1,742.99	1/4	1,385.34	1/4	1,027.69	1/4	670.43	1/4	312.79	1/4		1/4		1/4		1/4	
1/2	2,093.18	1/2	1,735.54	1/2	1,377.89	1/2	1,020.25	1/2	662.98	1/2	305.34	1/2		1/2		1/2		1/2	
3/4	2,085.73	3/4	1,728.08	3/4	1,370.44	3/4	1,012.81	3/4	655.53	3/4	297.89	3/4		3/4		3/4		3/4	
7	2,078.28	7	1,720.63	7	1,362.99	7	1,005.37	7	648.08	7	290.44	7		7		7		7	
1/4	2,070.83	1/4	1,713.18	1/4	1,355.53	1/4	997.93	1/4	640.63	1/4	282.99	1/4		1/4		1/4		1/4	
1/2	2,063.38	1/2	1,705.73	1/2	1,348.08	1/2	990.50	1/2	633.18	1/2	275.54	1/2		1/2		1/2		1/2	
3/4	2,055.93	3/4	1,698.28	3/4	1,340.63	3/4	983.06	3/4	625.72	3/4	268.09	3/4		3/4		3/4		3/4	
8	2,048.48	8	1,690.83	8	1,333.18	8	975.62	8	618.27	8	260.64	8		8		8		8	
1/4	2,041.03	1/4	1,683.38	1/4	1,325.73	1/4	968.18	1/4	610.82	1/4	253.18	1/4		1/4		1/4		1/4	
1/2	2,033.58	1/2	1,675.93	1/2	1,318.28	1/2	960.74	1/2	603.37	1/2	245.73	1/2		1/2		1/2		1/2	
3/4	2,026.12	3/4	1,668.48	3/4	1,310.83	3/4	953.30	3/4	595.92	3/4	238.28	3/4		3/4		3/4		3/4	
9	2,018.67	9	1,661.03	9	1,303.38	9	945.86	9	588.47	9	230.83	9		9		9		9	
1/4	2,011.22	1/4	1,653.57	1/4	1,295.93	1/4	938.42	1/4	581.02	1/4	223.38	1/4		1/4		1/4		1/4	
1/2	2,003.77	1/2	1,646.12	1/2	1,288.48	1/2	930.98	1/2	573.57	1/2	215.93	1/2		1/2		1/2		1/2	
3/4	1,996.32	3/4	1,638.67	3/4	1,281.02	3/4	923.54	3/4	566.12	3/4	208.48	3/4		3/4		3/4		3/4	
10	1,988.87	10	1,631.22	10	1,273.57	10	916.11	10	558.67	10	201.03	10		10		10		10	
1/4	1,981.42	1/4	1,623.77	1/4	1,266.12	1/4	908.67	1/4	551.22	1/4	193.58	1/4		1/4		1/4		1/4	
1/2	1,973.97	1/2	1,616.32	1/2	1,258.67	1/2	901.23	1/2	543.77	1/2	186.13	1/2		1/2		1/2		1/2	
3/4	1,966.52	3/4	1,608.87	3/4	1,251.22	3/4	893.79	3/4	536.32	3/4	178.68	3/4		3/4		3/4		3/4	
11	1,959.07	11	1,601.42	11	1,243.77	11	886.35	11	528.86	11	171.23	11		11		11		11	
1/4	1,951.61	1/4	1,593.97	1/4	1,236.32	1/4	878.91	1/4	521.41	1/4	163.78	1/4		1/4		1/4		1/4	
1/2	1,944.16	1/2	1,586.52	1/2	1,228.87	1/2	871.47	1/2	513.96	1/2	156.32	1/2		1/2		1/2		1/2	
3/4	1,936.71	3/4	1,579.06	3/4	1,221.42	3/4	864.03	3/4	506.51	3/4	148.87	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/01/2013 CL  
CALCULATED: 03/01/2013 CL  
VERIFIED: 07/13/2023 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 07/2023

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