



BARGE "KIRBY 30033"

ULLAGE TRIM TABLE
Formerly "ACT 102"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 5'-00"
 DIFF. = 3'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 254'-00"

November 28, 2022

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

<http://www.pmacorp.net>



BARGE "KIRBY 30033"

1 PORT ULLAGE TABLE

HERMETIC

FORMERLY "ACT 102"

GAUGE HEIGHT 17'-03 1/2"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	5,165.63	0	4,804.23	0	4,442.84	0	4,081.45	0	3,720.06	0	3,358.67	0	2,997.27
1/4		1/4		1/4		1/4	5,158.10	1/4	4,796.70	1/4	4,435.31	1/4	4,073.92	1/4	3,712.53	1/4	3,351.14	1/4	2,989.74
1/2		1/2		1/2		1/2	5,150.57	1/2	4,789.17	1/2	4,427.78	1/2	4,066.39	1/2	3,705.00	1/2	3,343.61	1/2	2,982.21
3/4		3/4		3/4		3/4	5,143.04	3/4	4,781.64	3/4	4,420.25	3/4	4,058.86	3/4	3,697.47	3/4	3,336.08	3/4	2,974.68
1		1		1		1	5,135.51	1	4,774.12	1	4,412.73	1	4,051.33	1	3,689.94	1	3,328.55	1	2,967.15
1/4		1/4		1/4		1/4	5,127.98	1/4	4,766.59	1/4	4,405.20	1/4	4,043.80	1/4	3,682.41	1/4	3,321.02	1/4	2,959.63
1/2		1/2		1/2		1/2	5,120.45	1/2	4,759.06	1/2	4,397.67	1/2	4,036.27	1/2	3,674.88	1/2	3,313.49	1/2	2,952.10
3/4		3/4		3/4		3/4	5,112.92	3/4	4,751.53	3/4	4,390.14	3/4	4,028.74	3/4	3,667.35	3/4	3,305.96	3/4	2,944.57
2		2		2		2	5,105.39	2	4,744.00	2	4,382.61	2	4,021.22	2	3,659.83	2	3,298.43	2	2,937.04
1/4		1/4		1/4		1/4	5,097.86	1/4	4,736.47	1/4	4,375.08	1/4	4,013.69	1/4	3,652.30	1/4	3,290.90	1/4	2,929.51
1/2		1/2		1/2		1/2	5,090.33	1/2	4,728.94	1/2	4,367.55	1/2	4,006.16	1/2	3,644.77	1/2	3,283.37	1/2	2,921.98
3/4		3/4		3/4		3/4	5,082.80	3/4	4,721.41	3/4	4,360.02	3/4	3,998.63	3/4	3,637.24	3/4	3,275.84	3/4	2,914.45
3		3		3		3	5,075.28	3	4,713.89	3	4,352.49	3	3,991.10	3	3,629.71	3	3,268.32	3	2,906.92
1/4		1/4		1/4		1/4	5,067.75	1/4	4,706.36	1/4	4,344.96	1/4	3,983.57	1/4	3,622.18	1/4	3,260.79	1/4	2,899.40
1/2		1/2		1/2	5,331.31	1/2	5,060.22	1/2	4,698.83	1/2	4,337.43	1/2	3,976.04	1/2	3,614.65	1/2	3,253.26	1/2	2,891.87
3/4		3/4		3/4	5,330.69	3/4	5,052.69	3/4	4,691.30	3/4	4,329.90	3/4	3,968.51	3/4	3,607.12	3/4	3,245.73	3/4	2,884.34
4		4		4	5,330.06	4	5,045.16	4	4,683.77	4	4,322.38	4	3,960.99	4	3,599.59	4	3,238.20	4	2,876.81
1/4		1/4		1/4	5,329.44	1/4	5,037.63	1/4	4,676.24	1/4	4,314.85	1/4	3,953.46	1/4	3,592.06	1/4	3,230.67	1/4	2,869.28
1/2		1/2		1/2	5,328.81	1/2	5,030.10	1/2	4,668.71	1/2	4,307.32	1/2	3,945.93	1/2	3,584.53	1/2	3,223.14	1/2	2,861.75
3/4		3/4		3/4	5,326.93	3/4	5,022.57	3/4	4,661.18	3/4	4,299.79	3/4	3,938.40	3/4	3,577.00	3/4	3,215.61	3/4	2,854.22
5		5		5	5,325.05	5	5,015.05	5	4,653.65	5	4,292.26	5	3,930.87	5	3,569.48	5	3,208.08	5	2,846.69
1/4		1/4		1/4	5,323.16	1/4	5,007.52	1/4	4,646.12	1/4	4,284.73	1/4	3,923.34	1/4	3,561.95	1/4	3,200.56	1/4	2,839.16
1/2		1/2		1/2	5,321.28	1/2	4,999.99	1/2	4,638.59	1/2	4,277.20	1/2	3,915.81	1/2	3,554.42	1/2	3,193.03	1/2	2,831.63
3/4		3/4		3/4	5,318.14	3/4	4,992.46	3/4	4,631.06	3/4	4,269.67	3/4	3,908.28	3/4	3,546.89	3/4	3,185.50	3/4	2,824.10
6		6		6	5,315.01	6	4,984.93	6	4,623.54	6	4,262.15	6	3,900.75	6	3,539.36	6	3,177.97	6	2,816.57
1/4		1/4		1/4	5,311.87	1/4	4,977.40	1/4	4,616.01	1/4	4,254.62	1/4	3,893.22	1/4	3,531.83	1/4	3,170.44	1/4	2,809.05
1/2		1/2		1/2	5,308.73	1/2	4,969.87	1/2	4,608.48	1/2	4,247.09	1/2	3,885.69	1/2	3,524.30	1/2	3,162.91	1/2	2,801.52
3/4		3/4		3/4	5,304.34	3/4	4,962.34	3/4	4,600.95	3/4	4,239.56	3/4	3,878.16	3/4	3,516.77	3/4	3,155.38	3/4	2,793.99
7		7		7	5,299.94	7	4,954.81	7	4,593.42	7	4,232.03	7	3,870.64	7	3,509.25	7	3,147.85	7	2,786.46
1/4		1/4		1/4	5,295.55	1/4	4,947.28	1/4	4,585.89	1/4	4,224.50	1/4	3,863.11	1/4	3,501.72	1/4	3,140.32	1/4	2,778.93
1/2		1/2		1/2	5,291.15	1/2	4,939.75	1/2	4,578.36	1/2	4,216.97	1/2	3,855.58	1/2	3,494.19	1/2	3,132.79	1/2	2,771.40
3/4		3/4		3/4	5,285.50	3/4	4,932.22	3/4	4,570.83	3/4	4,209.44	3/4	3,848.05	3/4	3,486.66	3/4	3,125.26	3/4	2,763.87
8		8		8	5,279.85	8	4,924.70	8	4,563.31	8	4,201.91	8	3,840.52	8	3,479.13	8	3,117.73	8	2,756.34
1/4		1/4		1/4	5,274.20	1/4	4,917.17	1/4	4,555.78	1/4	4,194.38	1/4	3,832.99	1/4	3,471.60	1/4	3,110.21	1/4	2,748.82
1/2		1/2		1/2	5,268.55	1/2	4,909.64	1/2	4,548.25	1/2	4,186.85	1/2	3,825.46	1/2	3,464.07	1/2	3,102.68	1/2	2,741.29
3/4		3/4		3/4	5,261.64	3/4	4,902.11	3/4	4,540.72	3/4	4,179.32	3/4	3,817.93	3/4	3,456.54	3/4	3,095.15	3/4	2,733.76
9		9		9	5,254.73	9	4,894.58	9	4,533.19	9	4,171.80	9	3,810.41	9	3,449.01	9	3,087.62	9	2,726.23
1/4		1/4		1/4	5,247.82	1/4	4,887.05	1/4	4,525.66	1/4	4,164.27	1/4	3,802.88	1/4	3,441.48	1/4	3,080.09	1/4	2,718.70
1/2		1/2		1/2	5,240.91	1/2	4,879.52	1/2	4,518.13	1/2	4,156.74	1/2	3,795.35	1/2	3,433.95	1/2	3,072.56	1/2	2,711.17
3/4		3/4		3/4	5,233.38	3/4	4,871.99	3/4	4,510.60	3/4	4,149.21	3/4	3,787.82	3/4	3,426.42	3/4	3,065.03	3/4	2,703.64
10		10		10	5,225.86	10	4,864.47	10	4,503.07	10	4,141.68	10	3,780.29	10	3,418.90	10	3,057.50	10	2,696.11
1/4		1/4		1/4	5,218.33	1/4	4,856.94	1/4	4,495.54	1/4	4,134.15	1/4	3,772.76	1/4	3,411.37	1/4	3,049.98	1/4	2,688.58
1/2		1/2		1/2	5,210.80	1/2	4,849.41	1/2	4,488.01	1/2	4,126.62	1/2	3,765.23	1/2	3,403.84	1/2	3,042.45	1/2	2,681.05
3/4		3/4		3/4	5,203.27	3/4	4,841.88	3/4	4,480.48	3/4	4,119.09	3/4	3,757.70	3/4	3,396.31	3/4	3,034.92	3/4	2,673.52
11		11		11	5,195.74	11	4,834.35	11	4,472.96	11	4,111.57	11	3,750.17	11	3,388.78	11	3,027.39	11	2,665.99
1/4		1/4		1/4	5,188.21	1/4	4,826.82	1/4	4,465.43	1/4	4,104.04	1/4	3,742.64	1/4	3,381.25	1/4	3,019.86	1/4	2,658.47
1/2		1/2		1/2	5,180.68	1/2	4,819.29	1/2	4,457.90	1/2	4,096.51	1/2	3,735.11	1/2	3,373.72	1/2	3,012.33	1/2	2,650.94
3/4		3/4		3/4	5,173.15	3/4	4,811.76	3/4	4,450.37	3/4	4,088.98	3/4	3,727.58	3/4	3,366.19	3/4	3,004.80	3/4	2,643.41

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" DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-03" 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 30033"

1 PORT ULLAGE TABLE HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "ACT 102"

GAUGE HEIGHT 17'-03 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	2,635.88	0	2,274.49	0	1,913.09	0	1,551.70	0	1,190.62	0	829.35	0	467.57	0	105.80	0		0	
1/4	2,628.35	1/4	2,266.96	1/4	1,905.57	1/4	1,544.18	1/4	1,183.11	1/4	821.82	1/4	460.04	1/4	98.26	1/4		1/4	
1/2	2,620.82	1/2	2,259.43	1/2	1,898.04	1/2	1,536.65	1/2	1,175.59	1/2	814.28	1/2	452.50	1/2	90.73	1/2		1/2	
3/4	2,613.29	3/4	2,251.90	3/4	1,890.51	3/4	1,529.12	3/4	1,168.07	3/4	806.74	3/4	444.96	3/4	83.57	3/4		3/4	
1	2,605.76	1	2,244.37	1	1,882.98	1	1,521.59	1	1,160.56	1	799.20	1	437.42	1	76.41	1		1	
1/4	2,598.24	1/4	2,236.84	1/4	1,875.45	1/4	1,514.06	1/4	1,153.04	1/4	791.67	1/4	429.89	1/4	69.25	1/4		1/4	
1/2	2,590.71	1/2	2,229.31	1/2	1,867.92	1/2	1,506.53	1/2	1,145.53	1/2	784.13	1/2	422.35	1/2	62.09	1/2		1/2	
3/4	2,583.18	3/4	2,221.78	3/4	1,860.39	3/4	1,499.00	3/4	1,138.01	3/4	776.59	3/4	414.81	3/4	56.06	3/4		3/4	
2	2,575.65	2	2,214.25	2	1,852.86	2	1,491.47	2	1,130.49	2	769.05	2	407.28	2	50.03	2		2	
1/4	2,568.12	1/4	2,206.73	1/4	1,845.34	1/4	1,483.94	1/4	1,122.98	1/4	761.52	1/4	399.74	1/4	44.00	1/4		1/4	
1/2	2,560.59	1/2	2,199.20	1/2	1,837.81	1/2	1,476.41	1/2	1,115.46	1/2	753.98	1/2	392.21	1/2	37.97	1/2		1/2	
3/4	2,553.06	3/4	2,191.67	3/4	1,830.28	3/4	1,468.88	3/4	1,107.94	3/4	746.44	3/4	384.67	3/4	33.45	3/4		3/4	
3	2,545.53	3	2,184.14	3	1,822.75	3	1,461.35	3	1,100.43	3	738.90	3	377.13	3	28.92	3		3	
1/4	2,538.00	1/4	2,176.61	1/4	1,815.22	1/4	1,453.83	1/4	1,092.91	1/4	731.37	1/4	369.60	1/4	24.40	1/4		1/4	
1/2	2,530.47	1/2	2,169.08	1/2	1,807.69	1/2	1,446.30	1/2	1,085.40	1/2	723.83	1/2	362.06	1/2	19.88	1/2		1/2	
3/4	2,522.94	3/4	2,161.55	3/4	1,800.16	3/4	1,438.77	3/4	1,077.88	3/4	716.29	3/4	354.52	3/4		3/4		3/4	
4	2,515.41	4	2,154.02	4	1,792.63	4	1,431.24	4	1,070.37	4	708.76	4	346.98	4		4		4	
1/4	2,507.89	1/4	2,146.50	1/4	1,785.10	1/4	1,423.71	1/4	1,062.85	1/4	701.22	1/4	339.45	1/4		1/4		1/4	
1/2	2,500.36	1/2	2,138.97	1/2	1,777.57	1/2	1,416.18	1/2	1,055.34	1/2	693.69	1/2	331.91	1/2		1/2		1/2	
3/4	2,492.83	3/4	2,131.44	3/4	1,770.04	3/4	1,408.65	3/4	1,047.82	3/4	686.15	3/4	324.37	3/4		3/4		3/4	
5	2,485.30	5	2,123.91	5	1,762.51	5	1,401.12	5	1,040.30	5	678.61	5	316.83	5		5		5	
1/4	2,477.77	1/4	2,116.38	1/4	1,754.99	1/4	1,393.60	1/4	1,032.79	1/4	671.08	1/4	309.30	1/4		1/4		1/4	
1/2	2,470.24	1/2	2,108.85	1/2	1,747.46	1/2	1,386.07	1/2	1,025.27	1/2	663.54	1/2	301.76	1/2		1/2		1/2	
3/4	2,462.71	3/4	2,101.32	3/4	1,739.93	3/4	1,378.55	3/4	1,017.74	3/4	656.00	3/4	294.22	3/4		3/4		3/4	
6	2,455.18	6	2,093.79	6	1,732.40	6	1,371.02	6	1,010.22	6	648.46	6	286.68	6		6		6	
1/4	2,447.66	1/4	2,086.26	1/4	1,724.87	1/4	1,363.50	1/4	1,002.69	1/4	640.93	1/4	279.15	1/4		1/4		1/4	
1/2	2,440.13	1/2	2,078.73	1/2	1,717.34	1/2	1,355.98	1/2	995.17	1/2	633.39	1/2	271.61	1/2		1/2		1/2	
3/4	2,432.60	3/4	2,071.20	3/4	1,709.81	3/4	1,348.46	3/4	987.63	3/4	625.85	3/4	264.07	3/4		3/4		3/4	
7	2,425.07	7	2,063.67	7	1,702.28	7	1,340.94	7	980.09	7	618.31	7	256.54	7		7		7	
1/4	2,417.54	1/4	2,056.15	1/4	1,694.76	1/4	1,333.43	1/4	972.56	1/4	610.78	1/4	249.00	1/4		1/4		1/4	
1/2	2,410.01	1/2	2,048.62	1/2	1,687.23	1/2	1,325.91	1/2	965.02	1/2	603.24	1/2	241.47	1/2		1/2		1/2	
3/4	2,402.48	3/4	2,041.09	3/4	1,679.70	3/4	1,318.39	3/4	957.48	3/4	595.70	3/4	233.93	3/4		3/4		3/4	
8	2,394.95	8	2,033.56	8	1,672.17	8	1,310.88	8	949.94	8	588.16	8	226.39	8		8		8	
1/4	2,387.42	1/4	2,026.03	1/4	1,664.64	1/4	1,303.36	1/4	942.41	1/4	580.63	1/4	218.86	1/4		1/4		1/4	
1/2	2,379.89	1/2	2,018.50	1/2	1,657.11	1/2	1,295.85	1/2	934.87	1/2	573.09	1/2	211.32	1/2		1/2		1/2	
3/4	2,372.36	3/4	2,010.97	3/4	1,649.58	3/4	1,288.33	3/4	927.33	3/4	565.55	3/4	203.78	3/4		3/4		3/4	
9	2,364.83	9	2,003.44	9	1,642.05	9	1,280.81	9	919.79	9	558.02	9	196.24	9		9		9	
1/4	2,357.31	1/4	1,995.92	1/4	1,634.52	1/4	1,273.30	1/4	912.26	1/4	550.48	1/4	188.71	1/4		1/4		1/4	
1/2	2,349.78	1/2	1,988.39	1/2	1,626.99	1/2	1,265.78	1/2	904.72	1/2	542.95	1/2	181.17	1/2		1/2		1/2	
3/4	2,342.25	3/4	1,980.86	3/4	1,619.46	3/4	1,258.26	3/4	897.18	3/4	535.41	3/4	173.63	3/4		3/4		3/4	
10	2,334.72	10	1,973.33	10	1,611.93	10	1,250.75	10	889.64	10	527.87	10	166.09	10		10		10	
1/4	2,327.19	1/4	1,965.80	1/4	1,604.41	1/4	1,243.23	1/4	882.11	1/4	520.34	1/4	158.56	1/4		1/4		1/4	
1/2	2,319.66	1/2	1,958.27	1/2	1,596.88	1/2	1,235.72	1/2	874.57	1/2	512.80	1/2	151.02	1/2		1/2		1/2	
3/4	2,312.13	3/4	1,950.74	3/4	1,589.35	3/4	1,228.20	3/4	867.03	3/4	505.26	3/4	143.48	3/4		3/4		3/4	
11	2,304.60	11	1,943.21	11	1,581.82	11	1,220.69	11	859.50	11	497.72	11	135.94	11		11		11	
1/4	2,297.08	1/4	1,935.68	1/4	1,574.29	1/4	1,213.17	1/4	851.96	1/4	490.19	1/4	128.41	1/4		1/4		1/4	
1/2	2,289.55	1/2	1,928.15	1/2	1,566.76	1/2	1,205.66	1/2	844.43	1/2	482.65	1/2	120.87	1/2		1/2		1/2	
3/4	2,282.02	3/4	1,920.62	3/4	1,559.23	3/4	1,198.14	3/4	836.89	3/4	475.11	3/4	113.33	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/20/2012 INS
RECALCULATED: 11/28/2022 CL
NAME CHANGE: 11/28/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2022

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



BARGE "KIRBY 30033"

1 STBD

ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 17'-03"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "ACT 102"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	5,150.57	0	4,789.17	0	4,427.78	0	4,066.39	0	3,705.00	0	3,343.61	0	2,982.21
1/4		1/4		1/4		1/4	5,143.04	1/4	4,781.64	1/4	4,420.25	1/4	4,058.86	1/4	3,697.47	1/4	3,336.08	1/4	2,974.68
1/2		1/2		1/2		1/2	5,135.51	1/2	4,774.12	1/2	4,412.73	1/2	4,051.33	1/2	3,689.94	1/2	3,328.55	1/2	2,967.15
3/4		3/4		3/4		3/4	5,127.98	3/4	4,766.59	3/4	4,405.20	3/4	4,043.80	3/4	3,682.41	3/4	3,321.02	3/4	2,959.63
1		1		1		1	5,120.45	1	4,759.06	1	4,397.67	1	4,036.27	1	3,674.88	1	3,313.49	1	2,952.10
1/4		1/4		1/4		1/4	5,112.92	1/4	4,751.53	1/4	4,390.14	1/4	4,028.74	1/4	3,667.35	1/4	3,305.96	1/4	2,944.57
1/2		1/2		1/2		1/2	5,105.39	1/2	4,744.00	1/2	4,382.61	1/2	4,021.22	1/2	3,659.83	1/2	3,298.43	1/2	2,937.04
3/4		3/4		3/4		3/4	5,097.86	3/4	4,736.47	3/4	4,375.08	3/4	4,013.69	3/4	3,652.30	3/4	3,290.90	3/4	2,929.51
2		2		2		2	5,090.33	2	4,728.94	2	4,367.55	2	4,006.16	2	3,644.77	2	3,283.37	2	2,921.98
1/4		1/4		1/4		1/4	5,082.80	1/4	4,721.41	1/4	4,360.02	1/4	3,998.63	1/4	3,637.24	1/4	3,275.84	1/4	2,914.45
1/2		1/2		1/2		1/2	5,075.28	1/2	4,713.89	1/2	4,352.49	1/2	3,991.10	1/2	3,629.71	1/2	3,268.32	1/2	2,906.92
3/4		3/4		3/4		3/4	5,067.75	3/4	4,706.36	3/4	4,344.96	3/4	3,983.57	3/4	3,622.18	3/4	3,260.79	3/4	2,899.40
3		3		3	5,331.31	3	5,060.22	3	4,698.83	3	4,337.43	3	3,976.04	3	3,614.65	3	3,253.26	3	2,891.87
1/4		1/4		1/4	5,330.69	1/4	5,052.69	1/4	4,691.30	1/4	4,329.90	1/4	3,968.51	1/4	3,607.12	1/4	3,245.73	1/4	2,884.34
1/2		1/2		1/2	5,330.06	1/2	5,045.16	1/2	4,683.77	1/2	4,322.38	1/2	3,960.99	1/2	3,599.59	1/2	3,238.20	1/2	2,876.81
3/4		3/4		3/4	5,329.44	3/4	5,037.63	3/4	4,676.24	3/4	4,314.85	3/4	3,953.46	3/4	3,592.06	3/4	3,230.67	3/4	2,869.28
4		4		4	5,328.81	4	5,030.10	4	4,668.71	4	4,307.32	4	3,945.93	4	3,584.53	4	3,223.14	4	2,861.75
1/4		1/4		1/4	5,326.93	1/4	5,022.57	1/4	4,661.18	1/4	4,299.79	1/4	3,938.40	1/4	3,577.00	1/4	3,215.61	1/4	2,854.22
1/2		1/2		1/2	5,325.05	1/2	5,015.05	1/2	4,653.65	1/2	4,292.26	1/2	3,930.87	1/2	3,569.48	1/2	3,208.08	1/2	2,846.69
3/4		3/4		3/4	5,323.16	3/4	5,007.52	3/4	4,646.12	3/4	4,284.73	3/4	3,923.34	3/4	3,561.95	3/4	3,200.56	3/4	2,839.16
5		5		5	5,321.28	5	4,999.99	5	4,638.59	5	4,277.20	5	3,915.81	5	3,554.42	5	3,193.03	5	2,831.63
1/4		1/4		1/4	5,318.14	1/4	4,992.46	1/4	4,631.06	1/4	4,269.67	1/4	3,908.28	1/4	3,546.89	1/4	3,185.50	1/4	2,824.10
1/2		1/2		1/2	5,315.01	1/2	4,984.93	1/2	4,623.54	1/2	4,262.15	1/2	3,900.75	1/2	3,539.36	1/2	3,177.97	1/2	2,816.57
3/4		3/4		3/4	5,311.87	3/4	4,977.40	3/4	4,616.01	3/4	4,254.62	3/4	3,893.22	3/4	3,531.83	3/4	3,170.44	3/4	2,809.05
6		6		6	5,308.73	6	4,969.87	6	4,608.48	6	4,247.09	6	3,885.69	6	3,524.30	6	3,162.91	6	2,801.52
1/4		1/4		1/4	5,304.34	1/4	4,962.34	1/4	4,600.95	1/4	4,239.56	1/4	3,878.16	1/4	3,516.77	1/4	3,155.38	1/4	2,793.99
1/2		1/2		1/2	5,299.94	1/2	4,954.81	1/2	4,593.42	1/2	4,232.03	1/2	3,870.64	1/2	3,509.25	1/2	3,147.85	1/2	2,786.46
3/4		3/4		3/4	5,295.55	3/4	4,947.28	3/4	4,585.89	3/4	4,224.50	3/4	3,863.11	3/4	3,501.72	3/4	3,140.32	3/4	2,778.93
7		7		7	5,291.15	7	4,939.75	7	4,578.36	7	4,216.97	7	3,855.58	7	3,494.19	7	3,132.79	7	2,771.40
1/4		1/4		1/4	5,285.50	1/4	4,932.22	1/4	4,570.83	1/4	4,209.44	1/4	3,848.05	1/4	3,486.66	1/4	3,125.26	1/4	2,763.87
1/2		1/2		1/2	5,279.85	1/2	4,924.70	1/2	4,563.31	1/2	4,201.91	1/2	3,840.52	1/2	3,479.13	1/2	3,117.73	1/2	2,756.34
3/4		3/4		3/4	5,274.20	3/4	4,917.17	3/4	4,555.78	3/4	4,194.38	3/4	3,832.99	3/4	3,471.60	3/4	3,110.21	3/4	2,748.82
8		8		8	5,268.55	8	4,909.64	8	4,548.25	8	4,186.85	8	3,825.46	8	3,464.07	8	3,102.68	8	2,741.29
1/4		1/4		1/4	5,261.64	1/4	4,902.11	1/4	4,540.72	1/4	4,179.32	1/4	3,817.93	1/4	3,456.54	1/4	3,095.15	1/4	2,733.76
1/2		1/2		1/2	5,254.73	1/2	4,894.58	1/2	4,533.19	1/2	4,171.80	1/2	3,810.41	1/2	3,449.01	1/2	3,087.62	1/2	2,726.23
3/4		3/4		3/4	5,247.82	3/4	4,887.05	3/4	4,525.66	3/4	4,164.27	3/4	3,802.88	3/4	3,441.48	3/4	3,080.09	3/4	2,718.70
9		9		9	5,240.91	9	4,879.52	9	4,518.13	9	4,156.74	9	3,795.35	9	3,433.95	9	3,072.56	9	2,711.17
1/4		1/4		1/4	5,233.38	1/4	4,871.99	1/4	4,510.60	1/4	4,149.21	1/4	3,787.82	1/4	3,426.42	1/4	3,065.03	1/4	2,703.64
1/2		1/2		1/2	5,225.86	1/2	4,864.47	1/2	4,503.07	1/2	4,141.68	1/2	3,780.29	1/2	3,418.90	1/2	3,057.50	1/2	2,696.11
3/4		3/4		3/4	5,218.33	3/4	4,856.94	3/4	4,495.54	3/4	4,134.15	3/4	3,772.76	3/4	3,411.37	3/4	3,049.98	3/4	2,688.58
10		10		10	5,210.80	10	4,849.41	10	4,488.01	10	4,126.62	10	3,765.23	10	3,403.84	10	3,042.45	10	2,681.05
1/4		1/4		1/4	5,203.27	1/4	4,841.88	1/4	4,480.48	1/4	4,119.09	1/4	3,757.70	1/4	3,396.31	1/4	3,034.92	1/4	2,673.52
1/2		1/2		1/2	5,195.74	1/2	4,834.35	1/2	4,472.96	1/2	4,111.57	1/2	3,750.17	1/2	3,388.78	1/2	3,027.39	1/2	2,665.99
3/4		3/4		3/4	5,188.21	3/4	4,826.82	3/4	4,465.43	3/4	4,104.04	3/4	3,742.64	3/4	3,381.25	3/4	3,019.86	3/4	2,658.47
11		11		11	5,180.68	11	4,819.29	11	4,457.90	11	4,096.51	11	3,735.11	11	3,373.72	11	3,012.33	11	2,650.94
1/4		1/4		1/4	5,173.15	1/4	4,811.76	1/4	4,450.37	1/4	4,088.98	1/4	3,727.58	1/4	3,366.19	1/4	3,004.80	1/4	2,643.41
1/2		1/2		1/2	5,165.63	1/2	4,804.23	1/2	4,442.84	1/2	4,081.45	1/2	3,720.06	1/2	3,358.67	1/2	2,997.27	1/2	2,635.88
3/4		3/4		3/4	5,158.10	3/4	4,796.70	3/4	4,435.31	3/4	4,073.92	3/4	3,712.53	3/4	3,351.14	3/4	2,989.74	3/4	2,628.35

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" DEVICE.
GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-03" 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 30033"

1 STBD

ULLAGE TABLE HERMETIC

GAUGE HEIGHT 17'-03"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "ACT 102"

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	2,620.82	0	2,259.43	0	1,898.04	0	1,536.65	0	1,175.59	0	814.28	0	452.50	0	90.73	0		0	
1/4	2,613.29	1/4	2,251.90	1/4	1,890.51	1/4	1,529.12	1/4	1,168.07	1/4	806.74	1/4	444.96	1/4	83.57	1/4		1/4	
1/2	2,605.76	1/2	2,244.37	1/2	1,882.98	1/2	1,521.59	1/2	1,160.56	1/2	799.20	1/2	437.42	1/2	76.41	1/2		1/2	
3/4	2,598.24	3/4	2,236.84	3/4	1,875.45	3/4	1,514.06	3/4	1,153.04	3/4	791.67	3/4	429.89	3/4	69.25	3/4		3/4	
1	2,590.71	1	2,229.31	1	1,867.92	1	1,506.53	1	1,145.53	1	784.13	1	422.35	1	62.09	1		1	
1/4	2,583.18	1/4	2,221.78	1/4	1,860.39	1/4	1,499.00	1/4	1,138.01	1/4	776.59	1/4	414.81	1/4	56.06	1/4		1/4	
1/2	2,575.65	1/2	2,214.25	1/2	1,852.86	1/2	1,491.47	1/2	1,130.49	1/2	769.05	1/2	407.28	1/2	50.03	1/2		1/2	
3/4	2,568.12	3/4	2,206.73	3/4	1,845.34	3/4	1,483.94	3/4	1,122.98	3/4	761.52	3/4	399.74	3/4	44.00	3/4		3/4	
2	2,560.59	2	2,199.20	2	1,837.81	2	1,476.41	2	1,115.46	2	753.98	2	392.21	2	37.97	2		2	
1/4	2,553.06	1/4	2,191.67	1/4	1,830.28	1/4	1,468.88	1/4	1,107.94	1/4	746.44	1/4	384.67	1/4	33.45	1/4		1/4	
1/2	2,545.53	1/2	2,184.14	1/2	1,822.75	1/2	1,461.35	1/2	1,100.43	1/2	738.90	1/2	377.13	1/2	28.92	1/2		1/2	
3/4	2,538.00	3/4	2,176.61	3/4	1,815.22	3/4	1,453.83	3/4	1,092.91	3/4	731.37	3/4	369.60	3/4	24.40	3/4		3/4	
3	2,530.47	3	2,169.08	3	1,807.69	3	1,446.30	3	1,085.40	3	723.83	3	362.06	3	19.88	3		3	
1/4	2,522.94	1/4	2,161.55	1/4	1,800.16	1/4	1,438.77	1/4	1,077.88	1/4	716.29	1/4	354.52	1/4		1/4		1/4	
1/2	2,515.41	1/2	2,154.02	1/2	1,792.63	1/2	1,431.24	1/2	1,070.37	1/2	708.76	1/2	346.98	1/2		1/2		1/2	
3/4	2,507.89	3/4	2,146.50	3/4	1,785.10	3/4	1,423.71	3/4	1,062.85	3/4	701.22	3/4	339.45	3/4		3/4		3/4	
4	2,500.36	4	2,138.97	4	1,777.57	4	1,416.18	4	1,055.34	4	693.69	4	331.91	4		4		4	
1/4	2,492.83	1/4	2,131.44	1/4	1,770.04	1/4	1,408.65	1/4	1,047.82	1/4	686.15	1/4	324.37	1/4		1/4		1/4	
1/2	2,485.30	1/2	2,123.91	1/2	1,762.51	1/2	1,401.12	1/2	1,040.30	1/2	678.61	1/2	316.83	1/2		1/2		1/2	
3/4	2,477.77	3/4	2,116.38	3/4	1,754.99	3/4	1,393.60	3/4	1,032.79	3/4	671.08	3/4	309.30	3/4		3/4		3/4	
5	2,470.24	5	2,108.85	5	1,747.46	5	1,386.07	5	1,025.27	5	663.54	5	301.76	5		5		5	
1/4	2,462.71	1/4	2,101.32	1/4	1,739.93	1/4	1,378.55	1/4	1,017.74	1/4	656.00	1/4	294.22	1/4		1/4		1/4	
1/2	2,455.18	1/2	2,093.79	1/2	1,732.40	1/2	1,371.02	1/2	1,010.22	1/2	648.46	1/2	286.68	1/2		1/2		1/2	
3/4	2,447.66	3/4	2,086.26	3/4	1,724.87	3/4	1,363.50	3/4	1,002.69	3/4	640.93	3/4	279.15	3/4		3/4		3/4	
6	2,440.13	6	2,078.73	6	1,717.34	6	1,355.98	6	995.17	6	633.39	6	271.61	6		6		6	
1/4	2,432.60	1/4	2,071.20	1/4	1,709.81	1/4	1,348.46	1/4	987.63	1/4	625.85	1/4	264.07	1/4		1/4		1/4	
1/2	2,425.07	1/2	2,063.67	1/2	1,702.28	1/2	1,340.94	1/2	980.09	1/2	618.31	1/2	256.54	1/2		1/2		1/2	
3/4	2,417.54	3/4	2,056.15	3/4	1,694.76	3/4	1,333.43	3/4	972.56	3/4	610.78	3/4	249.00	3/4		3/4		3/4	
7	2,410.01	7	2,048.62	7	1,687.23	7	1,325.91	7	965.02	7	603.24	7	241.47	7		7		7	
1/4	2,402.48	1/4	2,041.09	1/4	1,679.70	1/4	1,318.39	1/4	957.48	1/4	595.70	1/4	233.93	1/4		1/4		1/4	
1/2	2,394.95	1/2	2,033.56	1/2	1,672.17	1/2	1,310.88	1/2	949.94	1/2	588.16	1/2	226.39	1/2		1/2		1/2	
3/4	2,387.42	3/4	2,026.03	3/4	1,664.64	3/4	1,303.36	3/4	942.41	3/4	580.63	3/4	218.86	3/4		3/4		3/4	
8	2,379.89	8	2,018.50	8	1,657.11	8	1,295.85	8	934.87	8	573.09	8	211.32	8		8		8	
1/4	2,372.36	1/4	2,010.97	1/4	1,649.58	1/4	1,288.33	1/4	927.33	1/4	565.55	1/4	203.78	1/4		1/4		1/4	
1/2	2,364.83	1/2	2,003.44	1/2	1,642.05	1/2	1,280.81	1/2	919.79	1/2	558.02	1/2	196.24	1/2		1/2		1/2	
3/4	2,357.31	3/4	1,995.92	3/4	1,634.52	3/4	1,273.30	3/4	912.26	3/4	550.48	3/4	188.71	3/4		3/4		3/4	
9	2,349.78	9	1,988.39	9	1,626.99	9	1,265.78	9	904.72	9	542.95	9	181.17	9		9		9	
1/4	2,342.25	1/4	1,980.86	1/4	1,619.46	1/4	1,258.26	1/4	897.18	1/4	535.41	1/4	173.63	1/4		1/4		1/4	
1/2	2,334.72	1/2	1,973.33	1/2	1,611.93	1/2	1,250.75	1/2	889.64	1/2	527.87	1/2	166.09	1/2		1/2		1/2	
3/4	2,327.19	3/4	1,965.80	3/4	1,604.41	3/4	1,243.23	3/4	882.11	3/4	520.34	3/4	158.56	3/4		3/4		3/4	
10	2,319.66	10	1,958.27	10	1,596.88	10	1,235.72	10	874.57	10	512.80	10	151.02	10		10		10	
1/4	2,312.13	1/4	1,950.74	1/4	1,589.35	1/4	1,228.20	1/4	867.03	1/4	505.26	1/4	143.48	1/4		1/4		1/4	
1/2	2,304.60	1/2	1,943.21	1/2	1,581.82	1/2	1,220.69	1/2	859.50	1/2	497.72	1/2	135.94	1/2		1/2		1/2	
3/4	2,297.08	3/4	1,935.68	3/4	1,574.29	3/4	1,213.17	3/4	851.96	3/4	490.19	3/4	128.41	3/4		3/4		3/4	
11	2,289.55	11	1,928.15	11	1,566.76	11	1,205.66	11	844.43	11	482.65	11	120.87	11		11		11	
1/4	2,282.02	1/4	1,920.62	1/4	1,559.23	1/4	1,198.14	1/4	836.89	1/4	475.11	1/4	113.33	1/4		1/4		1/4	
1/2	2,274.49	1/2	1,913.09	1/2	1,551.70	1/2	1,190.62	1/2	829.35	1/2	467.57	1/2	105.80	1/2		1/2		1/2	
3/4	2,266.96	3/4	1,905.57	3/4	1,544.18	3/4	1,183.11	3/4	821.82	3/4	460.04	3/4	98.26	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/20/2012 INS
RECALCULATED: 11/28/2022 CL
NAME CHANGE: 11/28/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2022

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



BARGE "KIRBY 30033"

2 PORT ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 17'-03"

FORMERLY "ACT 102"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	5,135.00	0	4,775.10	0	4,415.20	0	4,055.29	0	3,695.39	0	3,335.48	0	2,975.58
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,127.50	1/4	4,767.60	1/4	4,407.70	1/4	4,047.79	1/4	3,687.89	1/4	3,327.98	1/4	2,968.08
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,120.00	1/2	4,760.10	1/2	4,400.20	1/2	4,040.29	1/2	3,680.39	1/2	3,320.48	1/2	2,960.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,112.51	3/4	4,752.61	3/4	4,392.70	3/4	4,032.80	3/4	3,672.90	3/4	3,312.99	3/4	2,953.09
1	1	1	1	1	1	1	5,105.01	1	4,745.11	1	4,385.20	1	4,025.30	1	3,665.40	1	3,305.49	1	2,945.59
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,097.51	1/4	4,737.61	1/4	4,377.70	1/4	4,017.80	1/4	3,657.90	1/4	3,297.99	1/4	2,938.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,090.01	1/2	4,730.11	1/2	4,370.20	1/2	4,010.30	1/2	3,650.40	1/2	3,290.49	1/2	2,930.59
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,082.52	3/4	4,722.62	3/4	4,362.71	3/4	4,002.81	3/4	3,642.90	3/4	3,283.00	3/4	2,923.10
2	2	2	2	2	2	2	5,075.02	2	4,715.12	2	4,355.21	2	3,995.31	2	3,635.40	2	3,275.50	2	2,915.60
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,067.52	1/4	4,707.62	1/4	4,347.71	1/4	3,987.81	1/4	3,627.90	1/4	3,268.00	1/4	2,908.10
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,060.02	1/2	4,700.12	1/2	4,340.21	1/2	3,980.31	1/2	3,620.40	1/2	3,260.50	1/2	2,900.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,052.53	3/4	4,692.62	3/4	4,332.72	3/4	3,972.82	3/4	3,612.91	3/4	3,253.01	3/4	2,893.10
3	3	3	3	3	3	5,315.38	5,045.03	3	4,685.12	3	4,325.22	3	3,965.32	3	3,605.41	3	3,245.51	3	2,885.60
1/4	1/4	1/4	5,314.76	1/4	5,037.53	1/4	5,037.53	1/4	4,677.62	1/4	4,317.72	1/4	3,957.82	1/4	3,597.91	1/4	3,238.01	1/4	2,878.10
1/2	1/2	1/2	5,314.13	1/2	5,030.03	1/2	5,030.03	1/2	4,670.12	1/2	4,310.22	1/2	3,950.32	1/2	3,590.41	1/2	3,230.51	1/2	2,870.60
3/4	3/4	3/4	5,313.51	3/4	5,022.54	3/4	5,022.54	3/4	4,662.63	3/4	4,302.73	3/4	3,942.82	3/4	3,582.92	3/4	3,223.02	3/4	2,863.11
4	4	4	5,312.88	4	5,015.04	4	5,015.04	4	4,655.13	4	4,295.23	4	3,935.32	4	3,575.42	4	3,215.52	4	2,855.61
1/4	1/4	1/4	5,311.00	1/4	5,007.54	1/4	5,007.54	1/4	4,647.63	1/4	4,287.73	1/4	3,927.82	1/4	3,567.92	1/4	3,208.02	1/4	2,848.11
1/2	1/2	1/2	5,309.12	1/2	5,000.04	1/2	5,000.04	1/2	4,640.13	1/2	4,280.23	1/2	3,920.32	1/2	3,560.42	1/2	3,200.52	1/2	2,840.61
3/4	3/4	3/4	5,307.23	3/4	4,992.54	3/4	4,992.54	3/4	4,632.64	3/4	4,272.74	3/4	3,912.83	3/4	3,552.93	3/4	3,193.02	3/4	2,833.12
5	5	5	5,305.35	5	4,985.04	5	4,985.04	5	4,625.14	5	4,265.24	5	3,905.33	5	3,545.43	5	3,185.52	5	2,825.62
1/4	1/4	1/4	5,302.21	1/4	4,977.54	1/4	4,977.54	1/4	4,617.64	1/4	4,257.74	1/4	3,897.83	1/4	3,537.93	1/4	3,178.02	1/4	2,818.12
1/2	1/2	1/2	5,299.08	1/2	4,970.04	1/2	4,970.04	1/2	4,610.14	1/2	4,250.24	1/2	3,890.33	1/2	3,530.43	1/2	3,170.52	1/2	2,810.62
3/4	3/4	3/4	5,295.94	3/4	4,962.55	3/4	4,962.55	3/4	4,602.65	3/4	4,242.74	3/4	3,882.84	3/4	3,522.94	3/4	3,163.03	3/4	2,803.13
6	6	6	5,292.80	6	4,955.05	6	4,955.05	6	4,595.15	6	4,235.24	6	3,875.34	6	3,515.44	6	3,155.53	6	2,795.63
1/4	1/4	1/4	5,288.41	1/4	4,947.55	1/4	4,947.55	1/4	4,587.65	1/4	4,227.74	1/4	3,867.84	1/4	3,507.94	1/4	3,148.03	1/4	2,788.13
1/2	1/2	1/2	5,284.01	1/2	4,940.05	1/2	4,940.05	1/2	4,580.15	1/2	4,220.24	1/2	3,860.34	1/2	3,500.44	1/2	3,140.53	1/2	2,780.63
3/4	3/4	3/4	5,279.62	3/4	4,932.56	3/4	4,932.56	3/4	4,572.66	3/4	4,212.75	3/4	3,852.85	3/4	3,492.94	3/4	3,133.04	3/4	2,773.14
7	7	7	5,275.22	7	4,925.06	7	4,925.06	7	4,565.16	7	4,205.25	7	3,845.35	7	3,485.44	7	3,125.54	7	2,765.64
1/4	1/4	1/4	5,269.57	1/4	4,917.56	1/4	4,917.56	1/4	4,557.66	1/4	4,197.75	1/4	3,837.85	1/4	3,477.94	1/4	3,118.04	1/4	2,758.14
1/2	1/2	1/2	5,263.92	1/2	4,910.06	1/2	4,910.06	1/2	4,550.16	1/2	4,190.25	1/2	3,830.35	1/2	3,470.44	1/2	3,110.54	1/2	2,750.64
3/4	3/4	3/4	5,258.26	3/4	4,902.57	3/4	4,902.57	3/4	4,542.66	3/4	4,182.76	3/4	3,822.86	3/4	3,462.95	3/4	3,103.05	3/4	2,743.14
8	8	8	5,252.61	8	4,895.07	8	4,895.07	8	4,535.16	8	4,175.26	8	3,815.36	8	3,455.45	8	3,095.55	8	2,735.64
1/4	1/4	1/4	5,245.70	1/4	4,887.57	1/4	4,887.57	1/4	4,527.66	1/4	4,167.76	1/4	3,807.86	1/4	3,447.95	1/4	3,088.05	1/4	2,728.14
1/2	1/2	1/2	5,238.80	1/2	4,880.07	1/2	4,880.07	1/2	4,520.16	1/2	4,160.26	1/2	3,800.36	1/2	3,440.45	1/2	3,080.55	1/2	2,720.64
3/4	3/4	3/4	5,231.89	3/4	4,872.58	3/4	4,872.58	3/4	4,512.67	3/4	4,152.77	3/4	3,792.86	3/4	3,432.96	3/4	3,073.06	3/4	2,713.15
9	9	9	5,224.98	9	4,865.08	9	4,865.08	9	4,505.17	9	4,145.27	9	3,785.36	9	3,425.46	9	3,065.56	9	2,705.65
1/4	1/4	1/4	5,217.48	1/4	4,857.58	1/4	4,857.58	1/4	4,497.67	1/4	4,137.77	1/4	3,777.86	1/4	3,417.96	1/4	3,058.06	1/4	2,698.15
1/2	1/2	1/2	5,209.99	1/2	4,850.08	1/2	4,850.08	1/2	4,490.17	1/2	4,130.27	1/2	3,770.36	1/2	3,410.46	1/2	3,050.56	1/2	2,690.65
3/4	3/4	3/4	5,202.49	3/4	4,842.58	3/4	4,842.58	3/4	4,482.68	3/4	4,122.78	3/4	3,762.87	3/4	3,402.97	3/4	3,043.06	3/4	2,683.16
10	10	10	5,194.99	10	4,835.08	10	4,835.08	10	4,475.18	10	4,115.28	10	3,755.37	10	3,395.47	10	3,035.56	10	2,675.66
1/4	1/4	1/4	5,187.49	1/4	4,827.58	1/4	4,827.58	1/4	4,467.68	1/4	4,107.78	1/4	3,747.87	1/4	3,387.97	1/4	3,028.06	1/4	2,668.16
1/2	1/2	1/2	5,180.00	1/2	4,820.08	1/2	4,820.08	1/2	4,460.18	1/2	4,100.28	1/2	3,740.37	1/2	3,380.47	1/2	3,020.56	1/2	2,660.66
3/4	3/4	3/4	5,172.50	3/4	4,812.59	3/4	4,812.59	3/4	4,452.69	3/4	4,092.78	3/4	3,732.88	3/4	3,372.98	3/4	3,013.07	3/4	2,653.17
11	11	11	5,165.00	11	4,805.09	11	4,805.09	11	4,445.19	11	4,085.28	11	3,725.38	11	3,365.48	11	3,005.57	11	2,645.67
1/4	1/4	1/4	5,157.50	1/4	4,797.59	1/4	4,797.59	1/4	4,437.69	1/4	4,077.78	1/4	3,717.88	1/4	3,357.98	1/4	2,998.07	1/4	2,638.17
1/2	1/2	1/2	5,150.00	1/2	4,790.09	1/2	4,790.09	1/2	4,430.19	1/2	4,070.28	1/2	3,710.38	1/2	3,350.48	1/2	2,990.57	1/2	2,630.67
3/4	3/4	3/4	5,142.50	3/4	4,782.60	3/4	4,782.60	3/4	4,422.70	3/4	4,062.79	3/4	3,702.89	3/4	3,342.98	3/4	2,983.08	3/4	2,623.18

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" DEVICE.

GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 30033"

2 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 17'-03"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "ACT 102"

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	2,615.68	0	2,255.77	0	1,895.87	0	1,535.96	0	1,175.59	0	814.28	0	452.50	0	90.73	0		0	
1/4	2,608.18	1/4	2,248.27	1/4	1,888.37	1/4	1,528.46	1/4	1,168.07	1/4	806.74	1/4	444.96	1/4	83.57	1/4		1/4	
1/2	2,600.68	1/2	2,240.77	1/2	1,880.87	1/2	1,520.96	1/2	1,160.56	1/2	799.20	1/2	437.42	1/2	76.41	1/2		1/2	
3/4	2,593.18	3/4	2,233.28	3/4	1,873.38	3/4	1,513.47	3/4	1,153.04	3/4	791.67	3/4	429.89	3/4	69.25	3/4		3/4	
1	2,585.68	1	2,225.78	1	1,865.88	1	1,505.97	1	1,145.53	1	784.13	1	422.35	1	62.09	1		1	
1/4	2,578.18	1/4	2,218.28	1/4	1,858.38	1/4	1,498.47	1/4	1,138.01	1/4	776.59	1/4	414.81	1/4	56.06	1/4		1/4	
1/2	2,570.68	1/2	2,210.78	1/2	1,850.88	1/2	1,490.97	1/2	1,130.49	1/2	769.05	1/2	407.28	1/2	50.03	1/2		1/2	
3/4	2,563.19	3/4	2,203.29	3/4	1,843.38	3/4	1,483.48	3/4	1,122.98	3/4	761.52	3/4	399.74	3/4	44.00	3/4		3/4	
2	2,555.69	2	2,195.79	2	1,835.88	2	1,475.98	2	1,115.46	2	753.98	2	392.21	2	37.97	2		2	
1/4	2,548.19	1/4	2,188.29	1/4	1,828.38	1/4	1,468.48	1/4	1,107.94	1/4	746.44	1/4	384.67	1/4	33.45	1/4		1/4	
1/2	2,540.69	1/2	2,180.79	1/2	1,820.88	1/2	1,460.98	1/2	1,100.43	1/2	738.90	1/2	377.13	1/2	28.92	1/2		1/2	
3/4	2,533.20	3/4	2,173.30	3/4	1,813.39	3/4	1,453.49	3/4	1,092.91	3/4	731.37	3/4	369.60	3/4	24.40	3/4		3/4	
3	2,525.70	3	2,165.80	3	1,805.89	3	1,445.99	3	1,085.40	3	723.83	3	362.06	3	19.88	3		3	
1/4	2,518.20	1/4	2,158.30	1/4	1,798.39	1/4	1,438.49	1/4	1,077.88	1/4	716.29	1/4	354.52	1/4		1/4		1/4	
1/2	2,510.70	1/2	2,150.80	1/2	1,790.89	1/2	1,430.99	1/2	1,070.37	1/2	708.76	1/2	346.98	1/2		1/2		1/2	
3/4	2,503.21	3/4	2,143.30	3/4	1,783.40	3/4	1,423.50	3/4	1,062.85	3/4	701.22	3/4	339.45	3/4		3/4		3/4	
4	2,495.71	4	2,135.80	4	1,775.90	4	1,416.00	4	1,055.34	4	693.69	4	331.91	4	4	4		4	
1/4	2,488.21	1/4	2,128.30	1/4	1,768.40	1/4	1,408.50	1/4	1,047.82	1/4	686.15	1/4	324.37	1/4		1/4		1/4	
1/2	2,480.71	1/2	2,120.80	1/2	1,760.90	1/2	1,401.00	1/2	1,040.30	1/2	678.61	1/2	316.83	1/2		1/2		1/2	
3/4	2,473.22	3/4	2,113.31	3/4	1,753.41	3/4	1,393.50	3/4	1,032.79	3/4	671.08	3/4	309.30	3/4		3/4		3/4	
5	2,465.72	5	2,105.81	5	1,745.91	5	1,386.00	5	1,025.27	5	663.54	5	301.76	5	5	5		5	
1/4	2,458.22	1/4	2,098.31	1/4	1,738.41	1/4	1,378.49	1/4	1,017.74	1/4	656.00	1/4	294.22	1/4		1/4		1/4	
1/2	2,450.72	1/2	2,090.81	1/2	1,730.91	1/2	1,370.99	1/2	1,010.22	1/2	648.46	1/2	286.68	1/2		1/2		1/2	
3/4	2,443.22	3/4	2,083.32	3/4	1,723.42	3/4	1,363.48	3/4	1,002.69	3/4	640.93	3/4	279.15	3/4		3/4		3/4	
6	2,435.72	6	2,075.82	6	1,715.92	6	1,355.98	6	995.17	6	633.39	6	271.61	6	6	6		6	
1/4	2,428.22	1/4	2,068.32	1/4	1,708.42	1/4	1,348.46	1/4	987.63	1/4	625.85	1/4	264.07	1/4		1/4		1/4	
1/2	2,420.72	1/2	2,060.82	1/2	1,700.92	1/2	1,340.94	1/2	980.09	1/2	618.31	1/2	256.54	1/2		1/2		1/2	
3/4	2,413.23	3/4	2,053.33	3/4	1,693.42	3/4	1,333.43	3/4	972.56	3/4	610.78	3/4	249.00	3/4		3/4		3/4	
7	2,405.73	7	2,045.83	7	1,685.92	7	1,325.91	7	965.02	7	603.24	7	241.47	7	7	7		7	
1/4	2,398.23	1/4	2,038.33	1/4	1,678.42	1/4	1,318.39	1/4	957.48	1/4	595.70	1/4	233.93	1/4		1/4		1/4	
1/2	2,390.73	1/2	2,030.83	1/2	1,670.92	1/2	1,310.88	1/2	949.94	1/2	588.16	1/2	226.39	1/2		1/2		1/2	
3/4	2,383.24	3/4	2,023.34	3/4	1,663.43	3/4	1,303.36	3/4	942.41	3/4	580.63	3/4	218.86	3/4		3/4		3/4	
8	2,375.74	8	2,015.84	8	1,655.93	8	1,295.85	8	934.87	8	573.09	8	211.32	8	8	8		8	
1/4	2,368.24	1/4	2,008.34	1/4	1,648.43	1/4	1,288.33	1/4	927.33	1/4	565.55	1/4	203.78	1/4		1/4		1/4	
1/2	2,360.74	1/2	2,000.84	1/2	1,640.93	1/2	1,280.81	1/2	919.79	1/2	558.02	1/2	196.24	1/2		1/2		1/2	
3/4	2,353.25	3/4	1,993.34	3/4	1,633.44	3/4	1,273.30	3/4	912.26	3/4	550.48	3/4	188.71	3/4		3/4		3/4	
9	2,345.75	9	1,985.84	9	1,625.94	9	1,265.78	9	904.72	9	542.95	9	181.17	9	9	9		9	
1/4	2,338.25	1/4	1,978.34	1/4	1,618.44	1/4	1,258.26	1/4	897.18	1/4	535.41	1/4	173.63	1/4		1/4		1/4	
1/2	2,330.75	1/2	1,970.84	1/2	1,610.94	1/2	1,250.75	1/2	889.64	1/2	527.87	1/2	166.09	1/2		1/2		1/2	
3/4	2,323.26	3/4	1,963.35	3/4	1,603.45	3/4	1,243.23	3/4	882.11	3/4	520.34	3/4	158.56	3/4		3/4		3/4	
10	2,315.76	10	1,955.85	10	1,595.95	10	1,235.72	10	874.57	10	512.80	10	151.02	10	10	10		10	
1/4	2,308.26	1/4	1,948.35	1/4	1,588.45	1/4	1,228.20	1/4	867.03	1/4	505.26	1/4	143.48	1/4		1/4		1/4	
1/2	2,300.76	1/2	1,940.85	1/2	1,580.95	1/2	1,220.69	1/2	859.50	1/2	497.72	1/2	135.94	1/2		1/2		1/2	
3/4	2,293.26	3/4	1,933.36	3/4	1,573.46	3/4	1,213.17	3/4	851.96	3/4	490.19	3/4	128.41	3/4		3/4		3/4	
11	2,285.76	11	1,925.86	11	1,565.96	11	1,205.66	11	844.43	11	482.65	11	120.87	11	11	11		11	
1/4	2,278.26	1/4	1,918.36	1/4	1,558.46	1/4	1,198.14	1/4	836.89	1/4	475.11	1/4	113.33	1/4		1/4		1/4	
1/2	2,270.76	1/2	1,910.86	1/2	1,550.96	1/2	1,190.62	1/2	829.35	1/2	467.57	1/2	105.80	1/2		1/2		1/2	
3/4	2,263.27	3/4	1,903.37	3/4	1,543.46	3/4	1,183.11	3/4	821.82	3/4	460.04	3/4	98.26	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/20/2012 INS
RECALCULATED: 11/28/2022 CL
NAME CHANGE: 11/28/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2022

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



BARGE "KIRBY 30033"

2 STBD ULLAGE TABLE

HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "ACT 102"

GAUGE HEIGHT 17'-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		0		0	5,120.00	0	4,760.10	0	4,400.20	0	4,040.29	0	3,680.39	0	3,320.48	0	2,960.58
1/4		1/4		1/4		1/4	5,112.51	1/4	4,752.61	1/4	4,392.70	1/4	4,032.80	1/4	3,672.90	1/4	3,312.99	1/4	2,953.09
1/2		1/2		1/2		1/2	5,105.01	1/2	4,745.11	1/2	4,385.20	1/2	4,025.30	1/2	3,665.40	1/2	3,305.49	1/2	2,945.59
3/4		3/4		3/4		3/4	5,097.51	3/4	4,737.61	3/4	4,377.70	3/4	4,017.80	3/4	3,657.90	3/4	3,297.99	3/4	2,938.09
1		1		1		1	5,090.01	1	4,730.11	1	4,370.20	1	4,010.30	1	3,650.40	1	3,290.49	1	2,930.59
1/4		1/4		1/4		1/4	5,082.52	1/4	4,722.62	1/4	4,362.71	1/4	4,002.81	1/4	3,642.90	1/4	3,283.00	1/4	2,923.10
1/2		1/2		1/2		1/2	5,075.02	1/2	4,715.12	1/2	4,355.21	1/2	3,995.31	1/2	3,635.40	1/2	3,275.50	1/2	2,915.60
3/4		3/4		3/4		3/4	5,067.52	3/4	4,707.62	3/4	4,347.71	3/4	3,987.81	3/4	3,627.90	3/4	3,268.00	3/4	2,908.10
2		2		2		2	5,060.02	2	4,700.12	2	4,340.21	2	3,980.31	2	3,620.40	2	3,260.50	2	2,900.60
1/4		1/4		1/4		1/4	5,052.53	1/4	4,692.62	1/4	4,332.72	1/4	3,972.82	1/4	3,612.91	1/4	3,253.01	1/4	2,893.10
1/2		1/2		1/2	5,315.38	1/2	5,045.03	1/2	4,685.12	1/2	4,325.22	1/2	3,965.32	1/2	3,605.41	1/2	3,245.51	1/2	2,885.60
3/4		3/4		3/4	5,314.76	3/4	5,037.53	3/4	4,677.62	3/4	4,317.72	3/4	3,957.82	3/4	3,597.91	3/4	3,238.01	3/4	2,878.10
3		3		3	5,314.13	3	5,030.03	3	4,670.12	3	4,310.22	3	3,950.32	3	3,590.41	3	3,230.51	3	2,870.60
1/4		1/4		1/4	5,313.51	1/4	5,022.54	1/4	4,662.63	1/4	4,302.73	1/4	3,942.82	1/4	3,582.92	1/4	3,223.02	1/4	2,863.11
1/2		1/2		1/2	5,312.88	1/2	5,015.04	1/2	4,655.13	1/2	4,295.23	1/2	3,935.32	1/2	3,575.42	1/2	3,215.52	1/2	2,855.61
3/4		3/4		3/4	5,311.00	3/4	5,007.54	3/4	4,647.63	3/4	4,287.73	3/4	3,927.82	3/4	3,567.92	3/4	3,208.02	3/4	2,848.11
4		4		4	5,309.12	4	5,000.04	4	4,640.13	4	4,280.23	4	3,920.32	4	3,560.42	4	3,200.52	4	2,840.61
1/4		1/4		1/4	5,307.23	1/4	4,992.54	1/4	4,632.64	1/4	4,272.74	1/4	3,912.83	1/4	3,552.93	1/4	3,193.02	1/4	2,833.12
1/2		1/2		1/2	5,305.35	1/2	4,985.04	1/2	4,625.14	1/2	4,265.24	1/2	3,905.33	1/2	3,545.43	1/2	3,185.52	1/2	2,825.62
3/4		3/4		3/4	5,302.21	3/4	4,977.54	3/4	4,617.64	3/4	4,257.74	3/4	3,897.83	3/4	3,537.93	3/4	3,178.02	3/4	2,818.12
5		5		5	5,299.08	5	4,970.04	5	4,610.14	5	4,250.24	5	3,890.33	5	3,530.43	5	3,170.52	5	2,810.62
1/4		1/4		1/4	5,299.94	1/4	4,962.55	1/4	4,602.65	1/4	4,242.74	1/4	3,882.84	1/4	3,522.94	1/4	3,163.03	1/4	2,803.13
1/2		1/2		1/2	5,292.80	1/2	4,955.05	1/2	4,595.15	1/2	4,235.24	1/2	3,875.34	1/2	3,515.44	1/2	3,155.53	1/2	2,795.63
3/4		3/4		3/4	5,288.41	3/4	4,947.55	3/4	4,587.65	3/4	4,227.74	3/4	3,867.84	3/4	3,507.94	3/4	3,148.03	3/4	2,788.13
6		6		6	5,284.01	6	4,940.05	6	4,580.15	6	4,220.24	6	3,860.34	6	3,500.44	6	3,140.53	6	2,780.63
1/4		1/4		1/4	5,279.62	1/4	4,932.56	1/4	4,572.66	1/4	4,212.75	1/4	3,852.85	1/4	3,492.94	1/4	3,133.04	1/4	2,773.14
1/2		1/2		1/2	5,275.22	1/2	4,925.06	1/2	4,565.16	1/2	4,205.25	1/2	3,845.35	1/2	3,485.44	1/2	3,125.54	1/2	2,765.64
3/4		3/4		3/4	5,269.57	3/4	4,917.56	3/4	4,557.66	3/4	4,197.75	3/4	3,837.85	3/4	3,477.94	3/4	3,118.04	3/4	2,758.14
7		7		7	5,263.92	7	4,910.06	7	4,550.16	7	4,190.25	7	3,830.35	7	3,470.44	7	3,110.54	7	2,750.64
1/4		1/4		1/4	5,258.26	1/4	4,902.57	1/4	4,542.66	1/4	4,182.76	1/4	3,822.86	1/4	3,462.95	1/4	3,103.05	1/4	2,743.14
1/2		1/2		1/2	5,252.61	1/2	4,895.07	1/2	4,535.16	1/2	4,175.26	1/2	3,815.36	1/2	3,455.45	1/2	3,095.55	1/2	2,735.64
3/4		3/4		3/4	5,245.70	3/4	4,887.57	3/4	4,527.66	3/4	4,167.76	3/4	3,807.86	3/4	3,447.95	3/4	3,088.05	3/4	2,728.14
8		8		8	5,238.80	8	4,880.07	8	4,520.16	8	4,160.26	8	3,800.36	8	3,440.45	8	3,080.55	8	2,720.64
1/4		1/4		1/4	5,231.89	1/4	4,872.58	1/4	4,512.67	1/4	4,152.77	1/4	3,792.86	1/4	3,432.96	1/4	3,073.06	1/4	2,713.15
1/2		1/2		1/2	5,224.98	1/2	4,865.08	1/2	4,505.17	1/2	4,145.27	1/2	3,785.36	1/2	3,425.46	1/2	3,065.56	1/2	2,705.65
3/4		3/4		3/4	5,217.48	3/4	4,857.58	3/4	4,497.67	3/4	4,137.77	3/4	3,777.86	3/4	3,417.96	3/4	3,058.06	3/4	2,698.15
9		9		9	5,209.99	9	4,850.08	9	4,490.17	9	4,130.27	9	3,770.36	9	3,410.46	9	3,050.56	9	2,690.65
1/4		1/4		1/4	5,202.49	1/4	4,842.58	1/4	4,482.68	1/4	4,122.78	1/4	3,762.87	1/4	3,402.97	1/4	3,043.06	1/4	2,683.16
1/2		1/2		1/2	5,194.99	1/2	4,835.08	1/2	4,475.18	1/2	4,115.28	1/2	3,755.37	1/2	3,395.47	1/2	3,035.56	1/2	2,675.66
3/4		3/4		3/4	5,187.49	3/4	4,827.58	3/4	4,467.68	3/4	4,107.78	3/4	3,747.87	3/4	3,387.97	3/4	3,028.06	3/4	2,668.16
10		10		10	5,180.00	10	4,820.08	10	4,460.18	10	4,100.28	10	3,740.37	10	3,380.47	10	3,020.56	10	2,660.66
1/4		1/4		1/4	5,172.50	1/4	4,812.59	1/4	4,452.69	1/4	4,092.78	1/4	3,732.88	1/4	3,372.98	1/4	3,013.07	1/4	2,653.17
1/2		1/2		1/2	5,165.00	1/2	4,805.09	1/2	4,445.19	1/2	4,085.28	1/2	3,725.38	1/2	3,365.48	1/2	3,005.57	1/2	2,645.67
3/4		3/4		3/4	5,157.50	3/4	4,797.59	3/4	4,437.69	3/4	4,077.78	3/4	3,717.88	3/4	3,357.98	3/4	2,998.07	3/4	2,638.17
11		11		11	5,150.00	11	4,790.09	11	4,430.19	11	4,070.28	11	3,710.38	11	3,350.48	11	2,990.57	11	2,630.67
1/4		1/4		1/4	5,142.50	1/4	4,782.60	1/4	4,422.70	1/4	4,062.79	1/4	3,702.89	1/4	3,342.98	1/4	2,983.08	1/4	2,623.18
1/2		1/2		1/2	5,135.00	1/2	4,775.10	1/2	4,415.20	1/2	4,055.29	1/2	3,695.39	1/2	3,335.48	1/2	2,975.58	1/2	2,615.68
3/4		3/4		3/4	5,127.50	3/4	4,767.60	3/4	4,407.70	3/4	4,047.79	3/4	3,687.89	3/4	3,327.98	3/4	2,968.08	3/4	2,608.18

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" DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 42'-00" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 30033"

2 STBD

ULLAGE TABLE
HERMETIC

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "ACT 102"

GAUGE HEIGHT 17'-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	2,600.68	0	2,240.77	0	1,880.87	0	1,520.96	0	1,160.56	0	799.20	0	437.42	0	76.41	0		0	
1/4	2,593.18	1/4	2,233.28	1/4	1,873.38	1/4	1,513.47	1/4	1,153.04	1/4	791.67	1/4	429.89	1/4	69.25	1/4		1/4	
1/2	2,585.68	1/2	2,225.78	1/2	1,865.88	1/2	1,505.97	1/2	1,145.53	1/2	784.13	1/2	422.35	1/2	62.09	1/2		1/2	
3/4	2,578.18	3/4	2,218.28	3/4	1,858.38	3/4	1,498.47	3/4	1,138.01	3/4	776.59	3/4	414.81	3/4	56.06	3/4		3/4	
1	2,570.68	1	2,210.78	1	1,850.88	1	1,490.97	1	1,130.49	1	769.05	1	407.28	1	50.03	1		1	
1/4	2,563.19	1/4	2,203.29	1/4	1,843.38	1/4	1,483.48	1/4	1,122.98	1/4	761.52	1/4	399.74	1/4	44.00	1/4		1/4	
1/2	2,555.69	1/2	2,195.79	1/2	1,835.88	1/2	1,475.98	1/2	1,115.46	1/2	753.98	1/2	392.21	1/2	37.97	1/2		1/2	
3/4	2,548.19	3/4	2,188.29	3/4	1,828.38	3/4	1,468.48	3/4	1,107.94	3/4	746.44	3/4	384.67	3/4	33.45	3/4		3/4	
2	2,540.69	2	2,180.79	2	1,820.88	2	1,460.98	2	1,100.43	2	738.90	2	377.13	2	28.92	2		2	
1/4	2,533.20	1/4	2,173.30	1/4	1,813.39	1/4	1,453.49	1/4	1,092.91	1/4	731.37	1/4	369.60	1/4	24.40	1/4		1/4	
1/2	2,525.70	1/2	2,165.80	1/2	1,805.89	1/2	1,445.99	1/2	1,085.40	1/2	723.83	1/2	362.06	1/2	19.88	1/2		1/2	
3/4	2,518.20	3/4	2,158.30	3/4	1,798.39	3/4	1,438.49	3/4	1,077.88	3/4	716.29	3/4	354.52	3/4		3/4		3/4	
3	2,510.70	3	2,150.80	3	1,790.89	3	1,430.99	3	1,070.37	3	708.76	3	346.98	3		3		3	
1/4	2,503.21	1/4	2,143.30	1/4	1,783.40	1/4	1,423.50	1/4	1,062.85	1/4	701.22	1/4	339.45	1/4		1/4		1/4	
1/2	2,495.71	1/2	2,135.80	1/2	1,775.90	1/2	1,416.00	1/2	1,055.34	1/2	693.69	1/2	331.91	1/2		1/2		1/2	
3/4	2,488.21	3/4	2,128.30	3/4	1,768.40	3/4	1,408.50	3/4	1,047.82	3/4	686.15	3/4	324.37	3/4		3/4		3/4	
4	2,480.71	4	2,120.80	4	1,760.90	4	1,401.00	4	1,040.30	4	678.61	4	316.83	4		4		4	
1/4	2,473.22	1/4	2,113.31	1/4	1,753.41	1/4	1,393.50	1/4	1,032.79	1/4	671.08	1/4	309.30	1/4		1/4		1/4	
1/2	2,465.72	1/2	2,105.81	1/2	1,745.91	1/2	1,386.00	1/2	1,025.27	1/2	663.54	1/2	301.76	1/2		1/2		1/2	
3/4	2,458.22	3/4	2,098.31	3/4	1,738.41	3/4	1,378.49	3/4	1,017.74	3/4	656.00	3/4	294.22	3/4		3/4		3/4	
5	2,450.72	5	2,090.81	5	1,730.91	5	1,370.99	5	1,010.22	5	648.46	5	286.68	5		5		5	
1/4	2,443.22	1/4	2,083.32	1/4	1,723.42	1/4	1,363.48	1/4	1,002.69	1/4	640.93	1/4	279.15	1/4		1/4		1/4	
1/2	2,435.72	1/2	2,075.82	1/2	1,715.92	1/2	1,355.98	1/2	995.17	1/2	633.39	1/2	271.61	1/2		1/2		1/2	
3/4	2,428.22	3/4	2,068.32	3/4	1,708.42	3/4	1,348.46	3/4	987.63	3/4	625.85	3/4	264.07	3/4		3/4		3/4	
6	2,420.72	6	2,060.82	6	1,700.92	6	1,340.94	6	980.09	6	618.31	6	256.54	6		6		6	
1/4	2,413.23	1/4	2,053.33	1/4	1,693.42	1/4	1,333.43	1/4	972.56	1/4	610.78	1/4	249.00	1/4		1/4		1/4	
1/2	2,405.73	1/2	2,045.83	1/2	1,685.92	1/2	1,325.91	1/2	965.02	1/2	603.24	1/2	241.47	1/2		1/2		1/2	
3/4	2,398.23	3/4	2,038.33	3/4	1,678.42	3/4	1,318.39	3/4	957.48	3/4	595.70	3/4	233.93	3/4		3/4		3/4	
7	2,390.73	7	2,030.83	7	1,670.92	7	1,310.88	7	949.94	7	588.16	7	226.39	7		7		7	
1/4	2,383.24	1/4	2,023.34	1/4	1,663.43	1/4	1,303.36	1/4	942.41	1/4	580.63	1/4	218.86	1/4		1/4		1/4	
1/2	2,375.74	1/2	2,015.84	1/2	1,655.93	1/2	1,295.85	1/2	934.87	1/2	573.09	1/2	211.32	1/2		1/2		1/2	
3/4	2,368.24	3/4	2,008.34	3/4	1,648.43	3/4	1,288.33	3/4	927.33	3/4	565.55	3/4	203.78	3/4		3/4		3/4	
8	2,360.74	8	2,000.84	8	1,640.93	8	1,280.81	8	919.79	8	558.02	8	196.24	8		8		8	
1/4	2,353.25	1/4	1,993.34	1/4	1,633.44	1/4	1,273.30	1/4	912.26	1/4	550.48	1/4	188.71	1/4		1/4		1/4	
1/2	2,345.75	1/2	1,985.84	1/2	1,625.94	1/2	1,265.78	1/2	904.72	1/2	542.95	1/2	181.17	1/2		1/2		1/2	
3/4	2,338.25	3/4	1,978.34	3/4	1,618.44	3/4	1,258.26	3/4	897.18	3/4	535.41	3/4	173.63	3/4		3/4		3/4	
9	2,330.75	9	1,970.84	9	1,610.94	9	1,250.75	9	889.64	9	527.87	9	166.09	9		9		9	
1/4	2,323.26	1/4	1,963.35	1/4	1,603.45	1/4	1,243.23	1/4	882.11	1/4	520.34	1/4	158.56	1/4		1/4		1/4	
1/2	2,315.76	1/2	1,955.85	1/2	1,595.95	1/2	1,235.72	1/2	874.57	1/2	512.80	1/2	151.02	1/2		1/2		1/2	
3/4	2,308.26	3/4	1,948.35	3/4	1,588.45	3/4	1,228.20	3/4	867.03	3/4	505.26	3/4	143.48	3/4		3/4		3/4	
10	2,300.76	10	1,940.85	10	1,580.95	10	1,220.69	10	859.50	10	497.72	10	135.94	10		10		10	
1/4	2,293.26	1/4	1,933.36	1/4	1,573.46	1/4	1,213.17	1/4	851.96	1/4	490.19	1/4	128.41	1/4		1/4		1/4	
1/2	2,285.76	1/2	1,925.86	1/2	1,565.96	1/2	1,205.66	1/2	844.43	1/2	482.65	1/2	120.87	1/2		1/2		1/2	
3/4	2,278.26	3/4	1,918.36	3/4	1,558.46	3/4	1,198.14	3/4	836.89	3/4	475.11	3/4	113.33	3/4		3/4		3/4	
11	2,270.76	11	1,910.86	11	1,550.96	11	1,190.62	11	829.35	11	467.57	11	105.80	11		11		11	
1/4	2,263.27	1/4	1,903.37	1/4	1,543.46	1/4	1,183.11	1/4	821.82	1/4	460.04	1/4	98.26	1/4		1/4		1/4	
1/2	2,255.77	1/2	1,895.87	1/2	1,535.96	1/2	1,175.59	1/2	814.28	1/2	452.50	1/2	90.73	1/2		1/2		1/2	
3/4	2,248.27	3/4	1,888.37	3/4	1,528.46	3/4	1,168.07	3/4	806.74	3/4	444.96	3/4	83.57	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/20/2012 INS
RECALCULATED: 11/28/2022 CL
NAME CHANGE: 11/28/2022 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2022

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



BARGE "KIRBY 30033"

3 PORT ULLAGE TABLE

HERMETIC GAUGE HEIGHT 17'-03"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "ACT 102"

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	4,260.61	0	4,067.85	0	3,875.08	0	3,682.31	0	3,489.54	0	3,293.87	0	2,959.01
1/4		1/4		1/4		1/4	4,256.60	1/4	4,063.83	1/4	3,871.06	1/4	3,678.30	1/4	3,485.53	1/4	3,288.70	1/4	2,951.55
1/2		1/2		1/2		1/2	4,252.58	1/2	4,059.81	1/2	3,867.05	1/2	3,674.28	1/2	3,481.51	1/2	3,283.52	1/2	2,944.10
3/4		3/4		3/4		3/4	4,248.57	3/4	4,055.80	3/4	3,863.03	3/4	3,670.27	3/4	3,477.50	3/4	3,278.35	3/4	2,936.64
1		1		1		1	4,244.55	1	4,051.78	1	3,859.01	1	3,666.25	1	3,473.48	1	3,273.17	1	2,929.18
1/4		1/4		1/4		1/4	4,240.54	1/4	4,047.76	1/4	3,855.00	1/4	3,662.23	1/4	3,469.46	1/4	3,267.42	1/4	2,921.72
1/2		1/2		1/2		1/2	4,236.52	1/2	4,043.75	1/2	3,850.98	1/2	3,658.22	1/2	3,465.45	1/2	3,261.66	1/2	2,914.27
3/4		3/4		3/4		3/4	4,232.51	3/4	4,039.73	3/4	3,846.97	3/4	3,654.20	3/4	3,461.43	3/4	3,255.91	3/4	2,906.81
2		2		2		2	4,228.49	2	4,035.72	2	3,842.95	2	3,650.18	2	3,457.41	2	3,250.15	2	2,899.35
1/4		1/4		1/4		1/4	4,224.47	1/4	4,031.70	1/4	3,838.94	1/4	3,646.17	1/4	3,453.40	1/4	3,243.82	1/4	2,891.89
1/2		1/2		1/2		1/2	4,220.46	1/2	4,027.68	1/2	3,834.92	1/2	3,642.15	1/2	3,449.38	1/2	3,237.48	1/2	2,884.43
3/4		3/4		3/4		3/4	4,216.44	3/4	4,023.67	3/4	3,830.91	3/4	3,638.14	3/4	3,445.37	3/4	3,231.15	3/4	2,876.97
3		3	4,356.97	3	4,212.42	3	4,019.65	3	3,826.89	3	3,634.12	3	3,441.35	3	3,224.81	3	3,020.15	3	2,869.51
1/4		1/4		1/4	4,356.64	1/4	4,208.41	1/4	4,015.64	1/4	3,822.87	1/4	3,630.10	1/4	3,437.34	1/4	3,217.90	1/4	2,862.05
1/2		1/2		1/2	4,356.31	1/2	4,204.39	1/2	4,011.62	1/2	3,818.86	1/2	3,626.09	1/2	3,433.32	1/2	3,210.99	1/2	2,854.60
3/4		3/4		3/4	4,355.97	3/4	4,200.38	3/4	4,007.61	3/4	3,814.84	3/4	3,622.07	3/4	3,429.31	3/4	3,204.07	3/4	2,847.14
4		4	4,355.64	4	4,196.36	4	4,003.59	4	3,810.82	4	3,618.05	4	3,425.29	4	3,197.16	4	2,839.68	4	2,839.68
1/4		1/4		1/4	4,354.64	1/4	4,192.34	1/4	3,999.58	1/4	3,806.81	1/4	3,614.04	1/4	3,421.27	1/4	3,193.83	1/4	2,832.22
1/2		1/2		1/2	4,353.64	1/2	4,188.33	1/2	3,995.56	1/2	3,802.79	1/2	3,610.02	1/2	3,417.26	1/2	3,182.50	1/2	2,824.77
3/4		3/4		3/4	4,352.63	3/4	4,184.31	3/4	3,991.55	3/4	3,798.78	3/4	3,606.01	3/4	3,413.24	3/4	3,175.16	3/4	2,817.31
5		5	4,351.63	5	4,180.29	5	3,987.53	5	3,794.76	5	3,601.99	5	3,409.22	5	3,167.83	5	2,809.85	5	2,809.85
1/4		1/4		1/4	4,349.96	1/4	4,176.28	1/4	3,983.51	1/4	3,790.74	1/4	3,597.98	1/4	3,405.21	1/4	3,160.37	1/4	2,802.39
1/2		1/2		1/2	4,348.29	1/2	4,172.26	1/2	3,979.50	1/2	3,786.73	1/2	3,593.96	1/2	3,401.19	1/2	3,152.92	1/2	2,794.94
3/4		3/4		3/4	4,346.61	3/4	4,168.25	3/4	3,975.48	3/4	3,782.71	3/4	3,589.95	3/4	3,397.18	3/4	3,145.46	3/4	2,787.48
6		6	4,344.94	6	4,164.23	6	3,971.46	6	3,778.69	6	3,585.93	6	3,393.16	6	3,138.00	6	2,780.02	6	2,780.02
1/4		1/4		1/4	4,342.60	1/4	4,160.21	1/4	3,967.45	1/4	3,774.68	1/4	3,581.91	1/4	3,389.14	1/4	3,130.54	1/4	2,772.56
1/2		1/2		1/2	4,340.26	1/2	4,156.20	1/2	3,963.43	1/2	3,770.66	1/2	3,577.90	1/2	3,385.13	1/2	3,123.09	1/2	2,765.11
3/4		3/4		3/4	4,337.91	3/4	4,152.18	3/4	3,959.42	3/4	3,766.65	3/4	3,573.88	3/4	3,381.11	3/4	3,115.63	3/4	2,757.65
7		7	4,335.57	7	4,148.17	7	3,955.40	7	3,762.63	7	3,569.86	7	3,377.09	7	3,108.17	7	2,750.19	7	2,750.19
1/4		1/4		1/4	4,332.56	1/4	4,144.15	1/4	3,951.38	1/4	3,758.62	1/4	3,565.85	1/4	3,373.08	1/4	3,100.71	1/4	2,742.73
1/2		1/2		1/2	4,329.55	1/2	4,140.13	1/2	3,947.37	1/2	3,754.60	1/2	3,561.83	1/2	3,369.06	1/2	3,093.26	1/2	2,735.27
3/4		3/4		3/4	4,326.54	3/4	4,136.12	3/4	3,943.35	3/4	3,750.59	3/4	3,557.82	3/4	3,365.05	3/4	3,085.80	3/4	2,727.81
8		8	4,323.53	8	4,132.10	8	3,939.33	8	3,746.57	8	3,553.80	8	3,361.03	8	3,078.34	8	2,720.35	8	2,720.35
1/4		1/4		1/4	4,319.85	1/4	4,128.08	1/4	3,935.32	1/4	3,742.55	1/4	3,549.78	1/4	3,357.02	1/4	3,070.88	1/4	2,712.89
1/2		1/2		1/2	4,316.17	1/2	4,124.07	1/2	3,931.30	1/2	3,738.54	1/2	3,545.77	1/2	3,353.00	1/2	3,063.43	1/2	2,705.44
3/4		3/4		3/4	4,312.49	3/4	4,120.05	3/4	3,927.29	3/4	3,734.52	3/4	3,541.75	3/4	3,348.99	3/4	3,055.97	3/4	2,697.98
9		9	4,308.81	9	4,116.04	9	3,923.27	9	3,730.50	9	3,537.73	9	3,344.97	9	3,048.51	9	2,690.52	9	2,690.52
1/4		1/4		1/4	4,304.79	1/4	4,112.02	1/4	3,919.26	1/4	3,726.49	1/4	3,533.72	1/4	3,340.95	1/4	3,041.05	1/4	2,683.06
1/2		1/2		1/2	4,300.78	1/2	4,108.00	1/2	3,915.24	1/2	3,722.47	1/2	3,529.70	1/2	3,336.94	1/2	3,033.59	1/2	2,675.61
3/4		3/4		3/4	4,296.76	3/4	4,103.99	3/4	3,911.23	3/4	3,718.46	3/4	3,525.69	3/4	3,332.92	3/4	3,026.13	3/4	2,668.15
10		10	4,292.74	10	4,099.97	10	3,907.21	10	3,714.44	10	3,521.67	10	3,328.90	10	3,018.67	10	2,660.69	10	2,660.69
1/4		1/4		1/4	4,288.73	1/4	4,095.95	1/4	3,903.19	1/4	3,710.42	1/4	3,517.66	1/4	3,324.74	1/4	3,011.21	1/4	2,653.23
1/2		1/2		1/2	4,284.71	1/2	4,091.94	1/2	3,899.18	1/2	3,706.41	1/2	3,513.64	1/2	3,320.58	1/2	3,003.76	1/2	2,645.78
3/4		3/4		3/4	4,280.70	3/4	4,087.92	3/4	3,895.16	3/4	3,702.39	3/4	3,509.63	3/4	3,316.42	3/4	2,996.30	3/4	2,638.32
11		11	4,276.68	11	4,083.91	11	3,891.14	11	3,698.37	11	3,505.61	11	3,312.26	11	2,988.84	11	2,630.86	11	2,630.86
1/4		1/4		1/4	4,272.66	1/4	4,079.89	1/4	3,887.13	1/4	3,694.36	1/4	3,501.59	1/4	3,307.66	1/4	2,981.38	1/4	2,623.40
1/2		1/2		1/2	4,268.65	1/2	4,075.88	1/2	3,883.11	1/2	3,690.34	1/2	3,497.58	1/2	3,303.07	1/2	2,973.93	1/2	2,615.95
3/4		3/4		3/4	4,264.63	3/4	4,071.86	3/4	3,879.10	3/4	3,686.33	3/4	3,493.56	3/4	3,298.47	3/4	2,966.47	3/4	2,608.49

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" DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-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 30033"

3 PORT ULLAGE TABLE HERMETIC GAUGE HEIGHT 17'-03"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "ACT 102"

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	2,601.03	0	2,243.04	0	1,885.06	0	1,527.07	0	1,168.73	0	809.52	0	449.86	0	90.20	0		0	
1/4	2,593.57	1/4	2,235.58	1/4	1,877.60	1/4	1,519.61	1/4	1,161.26	1/4	802.03	1/4	442.37	1/4	83.08	1/4		1/4	
1/2	2,586.11	1/2	2,228.13	1/2	1,870.15	1/2	1,512.16	1/2	1,153.79	1/2	794.54	1/2	434.88	1/2	75.96	1/2		1/2	
3/4	2,578.65	3/4	2,220.67	3/4	1,862.69	3/4	1,504.70	3/4	1,146.31	3/4	787.04	3/4	427.38	3/4	68.84	3/4		3/4	
1	2,571.19	1	2,213.21	1	1,855.23	1	1,497.24	1	1,138.84	1	779.55	1	419.89	1	61.72	1		1	
1/4	2,563.73	1/4	2,205.75	1/4	1,847.77	1/4	1,489.78	1/4	1,131.37	1/4	772.06	1/4	412.40	1/4	55.73	1/4		1/4	
1/2	2,556.28	1/2	2,198.30	1/2	1,840.31	1/2	1,482.33	1/2	1,123.90	1/2	764.57	1/2	404.91	1/2	49.74	1/2		1/2	
3/4	2,548.82	3/4	2,190.84	3/4	1,832.85	3/4	1,474.87	3/4	1,116.42	3/4	757.07	3/4	397.41	3/4	43.74	3/4		3/4	
2	2,541.36	2	2,183.38	2	1,825.39	2	1,467.41	2	1,108.95	2	749.58	2	389.92	2	37.75	2		2	
1/4	2,533.90	1/4	2,175.92	1/4	1,817.93	1/4	1,459.95	1/4	1,101.48	1/4	742.09	1/4	382.43	1/4	33.26	1/4		1/4	
1/2	2,526.45	1/2	2,168.47	1/2	1,810.48	1/2	1,452.50	1/2	1,094.01	1/2	734.60	1/2	374.93	1/2	28.76	1/2		1/2	
3/4	2,518.99	3/4	2,161.01	3/4	1,803.02	3/4	1,445.04	3/4	1,086.53	3/4	727.10	3/4	367.44	3/4	24.27	3/4		3/4	
3	2,511.53	3	2,153.55	3	1,795.56	3	1,437.58	3	1,079.06	3	719.61	3	359.94	3	19.77	3		3	
1/4	2,504.07	1/4	2,146.09	1/4	1,788.10	1/4	1,430.12	1/4	1,071.59	1/4	712.12	1/4	352.45	1/4		1/4		1/4	
1/2	2,496.62	1/2	2,138.63	1/2	1,780.65	1/2	1,422.67	1/2	1,064.12	1/2	704.63	1/2	344.96	1/2		1/2		1/2	
3/4	2,489.16	3/4	2,131.17	3/4	1,773.19	3/4	1,415.21	3/4	1,056.64	3/4	697.13	3/4	337.47	3/4		3/4		3/4	
4	2,481.70	4	2,123.71	4	1,765.73	4	1,407.75	4	1,049.17	4	689.64	4	329.97	4	4	4		4	
1/4	2,474.24	1/4	2,116.25	1/4	1,758.27	1/4	1,400.29	1/4	1,041.70	1/4	682.15	1/4	322.48	1/4		1/4		1/4	
1/2	2,466.79	1/2	2,108.80	1/2	1,750.82	1/2	1,392.83	1/2	1,034.23	1/2	674.65	1/2	314.99	1/2		1/2		1/2	
3/4	2,459.33	3/4	2,101.34	3/4	1,743.36	3/4	1,385.37	3/4	1,026.76	3/4	667.16	3/4	307.49	3/4		3/4		3/4	
5	2,451.87	5	2,093.88	5	1,735.90	5	1,377.91	5	1,019.29	5	659.66	5	300.00	5	5	5		5	
1/4	2,444.41	1/4	2,086.42	1/4	1,728.44	1/4	1,370.45	1/4	1,011.81	1/4	652.17	1/4	292.51	1/4		1/4		1/4	
1/2	2,436.95	1/2	2,078.97	1/2	1,720.99	1/2	1,362.98	1/2	1,004.33	1/2	644.68	1/2	285.02	1/2		1/2		1/2	
3/4	2,429.49	3/4	2,071.51	3/4	1,713.53	3/4	1,355.52	3/4	996.84	3/4	637.18	3/4	277.52	3/4		3/4		3/4	
6	2,422.03	6	2,064.05	6	1,706.07	6	1,348.05	6	989.36	6	629.69	6	270.03	6	6	6		6	
1/4	2,414.57	1/4	2,056.59	1/4	1,698.61	1/4	1,340.58	1/4	981.87	1/4	622.20	1/4	262.54	1/4		1/4		1/4	
1/2	2,407.12	1/2	2,049.14	1/2	1,691.15	1/2	1,333.11	1/2	974.37	1/2	614.71	1/2	255.05	1/2		1/2		1/2	
3/4	2,399.66	3/4	2,041.68	3/4	1,683.69	3/4	1,325.64	3/4	966.88	3/4	607.21	3/4	247.55	3/4		3/4		3/4	
7	2,392.20	7	2,034.22	7	1,676.23	7	1,318.17	7	959.38	7	599.72	7	240.06	7	7	7		7	
1/4	2,384.74	1/4	2,026.76	1/4	1,668.77	1/4	1,310.70	1/4	951.89	1/4	592.23	1/4	232.57	1/4		1/4		1/4	
1/2	2,377.29	1/2	2,019.31	1/2	1,661.32	1/2	1,303.23	1/2	944.40	1/2	584.74	1/2	225.07	1/2		1/2		1/2	
3/4	2,369.83	3/4	2,011.85	3/4	1,653.86	3/4	1,295.75	3/4	936.90	3/4	577.24	3/4	217.58	3/4		3/4		3/4	
8	2,362.37	8	2,004.39	8	1,646.40	8	1,288.28	8	929.41	8	569.75	8	210.08	8	8	8		8	
1/4	2,354.91	1/4	1,996.93	1/4	1,638.94	1/4	1,280.81	1/4	921.92	1/4	562.26	1/4	202.59	1/4		1/4		1/4	
1/2	2,347.46	1/2	1,989.47	1/2	1,631.49	1/2	1,273.34	1/2	914.43	1/2	554.77	1/2	195.10	1/2		1/2		1/2	
3/4	2,340.00	3/4	1,982.01	3/4	1,624.03	3/4	1,265.86	3/4	906.93	3/4	547.27	3/4	187.60	3/4		3/4		3/4	
9	2,332.54	9	1,974.55	9	1,616.57	9	1,258.39	9	899.44	9	539.78	9	180.11	9	9	9		9	
1/4	2,325.08	1/4	1,967.09	1/4	1,609.11	1/4	1,250.92	1/4	891.95	1/4	532.29	1/4	172.62	1/4		1/4		1/4	
1/2	2,317.63	1/2	1,959.64	1/2	1,601.66	1/2	1,243.45	1/2	884.46	1/2	524.79	1/2	165.13	1/2		1/2		1/2	
3/4	2,310.17	3/4	1,952.18	3/4	1,594.20	3/4	1,235.97	3/4	876.96	3/4	517.30	3/4	157.63	3/4		3/4		3/4	
10	2,302.71	10	1,944.72	10	1,586.74	10	1,228.50	10	869.47	10	509.80	10	150.14	10	10	10		10	
1/4	2,295.25	1/4	1,937.26	1/4	1,579.28	1/4	1,221.03	1/4	861.98	1/4	502.31	1/4	142.65	1/4		1/4		1/4	
1/2	2,287.79	1/2	1,929.81	1/2	1,571.83	1/2	1,213.56	1/2	854.49	1/2	494.82	1/2	135.16	1/2		1/2		1/2	
3/4	2,280.33	3/4	1,922.35	3/4	1,564.37	3/4	1,206.08	3/4	846.99	3/4	487.32	3/4	127.66	3/4		3/4		3/4	
11	2,272.87	11	1,914.89	11	1,556.91	11	1,198.61	11	839.50	11	479.83	11	120.17	11	11	11		11	
1/4	2,265.41	1/4	1,907.43	1/4	1,549.45	1/4	1,191.14	1/4	832.01	1/4	472.34	1/4	112.68	1/4		1/4		1/4	
1/2	2,257.96	1/2	1,899.98	1/2	1,541.99	1/2	1,183.67	1/2	824.51	1/2	464.85	1/2	105.19	1/2		1/2		1/2	
3/4	2,250.50	3/4	1,892.52	3/4	1,534.53	3/4	1,176.20	3/4	817.02	3/4	457.35	3/4	97.69	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/20/2012 INS
RECALCULATED: 11/28/2022 CL
NAME CHANGE: 11/28/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2022

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



BARGE "KIRBY 30033"

3 STBD ULLAGE TABLE

HERMETIC

GAUGE HEIGHT 17'-03"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "ACT 102"

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	4,260.61	0	4,067.85	0	3,875.08	0	3,682.31	0	3,489.54	0	3,293.87	0	2,959.01
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,256.60	1/4	4,063.83	1/4	3,871.06	1/4	3,678.30	1/4	3,485.53	1/4	3,288.70	1/4	2,951.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,252.58	1/2	4,059.81	1/2	3,867.05	1/2	3,674.28	1/2	3,481.51	1/2	3,283.52	1/2	2,944.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,248.57	3/4	4,055.80	3/4	3,863.03	3/4	3,670.27	3/4	3,477.50	3/4	3,278.35	3/4	2,936.64
1	1	1	1	1	1	1	4,244.55	1	4,051.78	1	3,859.01	1	3,666.25	1	3,473.48	1	3,273.17	1	2,929.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,240.54	1/4	4,047.76	1/4	3,855.00	1/4	3,662.23	1/4	3,469.46	1/4	3,267.42	1/4	2,921.72
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,236.52	1/2	4,043.75	1/2	3,850.98	1/2	3,658.22	1/2	3,465.45	1/2	3,261.66	1/2	2,914.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,232.51	3/4	4,039.73	3/4	3,846.97	3/4	3,654.20	3/4	3,461.43	3/4	3,255.91	3/4	2,906.81
2	2	2	2	2	2	2	4,228.49	2	4,035.72	2	3,842.95	2	3,650.18	2	3,457.41	2	3,250.15	2	2,899.35
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,224.47	1/4	4,031.70	1/4	3,838.94	1/4	3,646.17	1/4	3,453.40	1/4	3,243.82	1/4	2,891.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,220.46	1/2	4,027.68	1/2	3,834.92	1/2	3,642.15	1/2	3,449.38	1/2	3,237.48	1/2	2,884.43
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,216.44	3/4	4,023.67	3/4	3,830.91	3/4	3,638.14	3/4	3,445.37	3/4	3,231.15	3/4	2,876.97
3	3	3	3	3	3	3	4,212.42	3	4,019.65	3	3,826.89	3	3,634.12	3	3,441.35	3	3,224.81	3	2,869.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,208.41	1/4	4,015.64	1/4	3,822.87	1/4	3,630.10	1/4	3,437.34	1/4	3,217.90	1/4	2,862.05
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,204.39	1/2	4,011.62	1/2	3,818.86	1/2	3,626.09	1/2	3,433.32	1/2	3,210.99	1/2	2,854.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,200.38	3/4	4,007.61	3/4	3,814.84	3/4	3,622.07	3/4	3,429.31	3/4	3,204.07	3/4	2,847.14
4	4	4	4	4	4	4	4,196.36	4	4,003.59	4	3,810.82	4	3,618.05	4	3,425.29	4	3,197.16	4	2,839.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,192.34	1/4	3,999.58	1/4	3,806.81	1/4	3,614.04	1/4	3,421.27	1/4	3,189.83	1/4	2,832.22
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,188.33	1/2	3,995.56	1/2	3,802.79	1/2	3,610.02	1/2	3,417.26	1/2	3,182.50	1/2	2,824.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,184.31	3/4	3,991.55	3/4	3,798.78	3/4	3,606.01	3/4	3,413.24	3/4	3,175.16	3/4	2,817.31
5	5	5	5	5	5	5	4,180.29	5	3,987.53	5	3,794.76	5	3,601.99	5	3,409.22	5	3,167.83	5	2,809.85
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,176.28	1/4	3,983.51	1/4	3,790.74	1/4	3,597.98	1/4	3,405.21	1/4	3,160.37	1/4	2,802.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,172.26	1/2	3,979.50	1/2	3,786.73	1/2	3,593.96	1/2	3,401.19	1/2	3,152.92	1/2	2,794.94
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,168.25	3/4	3,975.48	3/4	3,782.71	3/4	3,589.95	3/4	3,397.18	3/4	3,145.46	3/4	2,787.48
6	6	6	6	6	6	6	4,164.23	6	3,971.46	6	3,778.69	6	3,585.93	6	3,393.16	6	3,138.00	6	2,780.02
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,160.21	1/4	3,967.45	1/4	3,774.68	1/4	3,581.91	1/4	3,389.14	1/4	3,130.54	1/4	2,772.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,156.20	1/2	3,963.43	1/2	3,770.66	1/2	3,577.90	1/2	3,385.13	1/2	3,123.09	1/2	2,765.11
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,152.18	3/4	3,959.42	3/4	3,766.65	3/4	3,573.88	3/4	3,381.11	3/4	3,115.63	3/4	2,757.65
7	7	7	7	7	7	7	4,148.17	7	3,955.40	7	3,762.63	7	3,569.86	7	3,377.09	7	3,108.17	7	2,750.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,144.15	1/4	3,951.38	1/4	3,758.62	1/4	3,565.85	1/4	3,373.08	1/4	3,100.71	1/4	2,742.73
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,140.13	1/2	3,947.37	1/2	3,754.60	1/2	3,561.83	1/2	3,369.06	1/2	3,093.26	1/2	2,735.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,136.12	3/4	3,943.35	3/4	3,750.59	3/4	3,557.82	3/4	3,365.05	3/4	3,085.80	3/4	2,727.81
8	8	8	8	8	8	8	4,132.10	8	3,939.33	8	3,746.57	8	3,553.80	8	3,361.03	8	3,078.34	8	2,720.35
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,128.08	1/4	3,935.32	1/4	3,742.55	1/4	3,549.78	1/4	3,357.02	1/4	3,070.88	1/4	2,712.89
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,124.07	1/2	3,931.30	1/2	3,738.54	1/2	3,545.77	1/2	3,353.00	1/2	3,063.43	1/2	2,705.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,120.05	3/4	3,927.29	3/4	3,734.52	3/4	3,541.75	3/4	3,348.99	3/4	3,055.97	3/4	2,697.98
9	9	9	9	9	9	9	4,116.04	9	3,923.27	9	3,730.50	9	3,537.73	9	3,344.97	9	3,048.51	9	2,690.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,112.02	1/4	3,919.26	1/4	3,726.49	1/4	3,533.72	1/4	3,340.95	1/4	3,041.05	1/4	2,683.06
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,108.00	1/2	3,915.24	1/2	3,722.47	1/2	3,529.70	1/2	3,336.94	1/2	3,033.59	1/2	2,675.61
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,296.76	3/4	4,103.99	3/4	3,911.23	3/4	3,718.46	3/4	3,525.69	3/4	3,332.92	3/4	3,026.13
10	10	10	10	10	10	10	4,292.74	10	4,099.97	10	3,907.21	10	3,714.44	10	3,521.67	10	3,328.90	10	3,018.67
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,288.73	1/4	4,095.95	1/4	3,903.19	1/4	3,710.42	1/4	3,517.66	1/4	3,324.74	1/4	3,011.21
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,284.71	1/2	4,091.94	1/2	3,899.18	1/2	3,706.41	1/2	3,513.64	1/2	3,320.58	1/2	3,003.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,280.70	3/4	4,087.92	3/4	3,895.16	3/4	3,702.39	3/4	3,509.63	3/4	3,316.42	3/4	2,996.30
11	11	11	11	11	11	11	4,276.68	11	4,083.91	11	3,891.14	11	3,698.37	11	3,505.61	11	3,312.26	11	2,988.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,272.66	1/4	4,079.89	1/4	3,887.13	1/4	3,694.36	1/4	3,501.59	1/4	3,307.66	1/4	2,981.38
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,268.65	1/2	4,075.88	1/2	3,883.11	1/2	3,690.34	1/2	3,497.58	1/2	3,303.07	1/2	2,973.93
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,264.63	3/4	4,071.86	3/4	3,879.10	3/4	3,686.33	3/4	3,493.56	3/4	3,298.47	3/4	2,966.47

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" DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 10'-06" OFF CENTERLINE AND 55'-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 30033"

3 STBD

ULLAGE TABLE HERMETIC

GAUGE HEIGHT 17'-03"

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "ACT 102"

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	2,601.03	0	2,243.04	0	1,885.06	0	1,527.07	0	1,168.73	0	809.52	0	449.86	0	90.20	0		0	
1/4	2,593.57	1/4	2,235.58	1/4	1,877.60	1/4	1,519.61	1/4	1,161.26	1/4	802.03	1/4	442.37	1/4	83.08	1/4		1/4	
1/2	2,586.11	1/2	2,228.13	1/2	1,870.15	1/2	1,512.16	1/2	1,153.79	1/2	794.54	1/2	434.88	1/2	75.96	1/2		1/2	
3/4	2,578.65	3/4	2,220.67	3/4	1,862.69	3/4	1,504.70	3/4	1,146.31	3/4	787.04	3/4	427.38	3/4	68.84	3/4		3/4	
1	2,571.19	1	2,213.21	1	1,855.23	1	1,497.24	1	1,138.84	1	779.55	1	419.89	1	61.72	1		1	
1/4	2,563.73	1/4	2,205.75	1/4	1,847.77	1/4	1,489.78	1/4	1,131.37	1/4	772.06	1/4	412.40	1/4	55.73	1/4		1/4	
1/2	2,556.28	1/2	2,198.30	1/2	1,840.31	1/2	1,482.33	1/2	1,123.90	1/2	764.57	1/2	404.91	1/2	49.74	1/2		1/2	
3/4	2,548.82	3/4	2,190.84	3/4	1,832.85	3/4	1,474.87	3/4	1,116.42	3/4	757.07	3/4	397.41	3/4	43.74	3/4		3/4	
2	2,541.36	2	2,183.38	2	1,825.39	2	1,467.41	2	1,108.95	2	749.58	2	389.92	2	37.75	2		2	
1/4	2,533.90	1/4	2,175.92	1/4	1,817.93	1/4	1,459.95	1/4	1,101.48	1/4	742.09	1/4	382.43	1/4	33.26	1/4		1/4	
1/2	2,526.45	1/2	2,168.47	1/2	1,810.48	1/2	1,452.50	1/2	1,094.01	1/2	734.60	1/2	374.93	1/2	28.76	1/2		1/2	
3/4	2,518.99	3/4	2,161.01	3/4	1,803.02	3/4	1,445.04	3/4	1,086.53	3/4	727.10	3/4	367.44	3/4	24.27	3/4		3/4	
3	2,511.53	3	2,153.55	3	1,795.56	3	1,437.58	3	1,079.06	3	719.61	3	359.94	3	19.77	3		3	
1/4	2,504.07	1/4	2,146.09	1/4	1,788.10	1/4	1,430.12	1/4	1,071.59	1/4	712.12	1/4	352.45	1/4		1/4		1/4	
1/2	2,496.62	1/2	2,138.63	1/2	1,780.65	1/2	1,422.67	1/2	1,064.12	1/2	704.63	1/2	344.96	1/2		1/2		1/2	
3/4	2,489.16	3/4	2,131.17	3/4	1,773.19	3/4	1,415.21	3/4	1,056.64	3/4	697.13	3/4	337.46	3/4		3/4		3/4	
4	2,481.70	4	2,123.71	4	1,765.73	4	1,407.75	4	1,049.17	4	689.64	4	329.97	4	4	4		4	
1/4	2,474.24	1/4	2,116.25	1/4	1,758.27	1/4	1,400.29	1/4	1,041.70	1/4	682.15	1/4	322.48	1/4		1/4		1/4	
1/2	2,466.79	1/2	2,108.80	1/2	1,750.82	1/2	1,392.83	1/2	1,034.23	1/2	674.65	1/2	314.99	1/2		1/2		1/2	
3/4	2,459.33	3/4	2,101.34	3/4	1,743.36	3/4	1,385.37	3/4	1,026.76	3/4	667.16	3/4	307.49	3/4		3/4		3/4	
5	2,451.87	5	2,093.88	5	1,735.90	5	1,377.91	5	1,019.29	5	659.66	5	300.00	5	5	5		5	
1/4	2,444.41	1/4	2,086.42	1/4	1,728.44	1/4	1,370.45	1/4	1,011.81	1/4	652.17	1/4	292.51	1/4		1/4		1/4	
1/2	2,436.95	1/2	2,078.97	1/2	1,720.99	1/2	1,362.98	1/2	1,004.33	1/2	644.68	1/2	285.02	1/2		1/2		1/2	
3/4	2,429.49	3/4	2,071.51	3/4	1,713.53	3/4	1,355.52	3/4	996.84	3/4	637.18	3/4	277.52	3/4		3/4		3/4	
6	2,422.03	6	2,064.05	6	1,706.07	6	1,348.05	6	989.36	6	629.69	6	270.03	6	6	6		6	
1/4	2,414.57	1/4	2,056.59	1/4	1,698.61	1/4	1,340.58	1/4	981.87	1/4	622.20	1/4	262.54	1/4		1/4		1/4	
1/2	2,407.12	1/2	2,049.14	1/2	1,691.15	1/2	1,333.11	1/2	974.37	1/2	614.71	1/2	255.05	1/2		1/2		1/2	
3/4	2,399.66	3/4	2,041.68	3/4	1,683.69	3/4	1,325.64	3/4	966.88	3/4	607.21	3/4	247.55	3/4		3/4		3/4	
7	2,392.20	7	2,034.22	7	1,676.23	7	1,318.17	7	959.38	7	599.72	7	240.06	7	7	7		7	
1/4	2,384.74	1/4	2,026.76	1/4	1,668.77	1/4	1,310.70	1/4	951.89	1/4	592.23	1/4	232.57	1/4		1/4		1/4	
1/2	2,377.29	1/2	2,019.31	1/2	1,661.32	1/2	1,303.23	1/2	944.40	1/2	584.74	1/2	225.07	1/2		1/2		1/2	
3/4	2,369.83	3/4	2,011.85	3/4	1,653.86	3/4	1,295.75	3/4	936.90	3/4	577.24	3/4	217.58	3/4		3/4		3/4	
8	2,362.37	8	2,004.39	8	1,646.40	8	1,288.28	8	929.41	8	569.75	8	210.08	8	8	8		8	
1/4	2,354.91	1/4	1,996.93	1/4	1,638.94	1/4	1,280.81	1/4	921.92	1/4	562.26	1/4	202.59	1/4		1/4		1/4	
1/2	2,347.46	1/2	1,989.47	1/2	1,631.49	1/2	1,273.34	1/2	914.43	1/2	554.77	1/2	195.10	1/2		1/2		1/2	
3/4	2,340.00	3/4	1,982.01	3/4	1,624.03	3/4	1,265.86	3/4	906.93	3/4	547.27	3/4	187.60	3/4		3/4		3/4	
9	2,332.54	9	1,974.55	9	1,616.57	9	1,258.39	9	899.44	9	539.78	9	180.11	9	9	9		9	
1/4	2,325.08	1/4	1,967.09	1/4	1,609.11	1/4	1,250.92	1/4	891.95	1/4	532.29	1/4	172.62	1/4		1/4		1/4	
1/2	2,317.63	1/2	1,959.64	1/2	1,601.66	1/2	1,243.45	1/2	884.46	1/2	524.79	1/2	165.13	1/2		1/2		1/2	
3/4	2,310.17	3/4	1,952.18	3/4	1,594.20	3/4	1,235.97	3/4	876.96	3/4	517.30	3/4	157.63	3/4		3/4		3/4	
10	2,302.71	10	1,944.72	10	1,586.74	10	1,228.50	10	869.47	10	509.80	10	150.14	10	10	10		10	
1/4	2,295.25	1/4	1,937.26	1/4	1,579.28	1/4	1,221.03	1/4	861.98	1/4	502.31	1/4	142.65	1/4		1/4		1/4	
1/2	2,287.79	1/2	1,929.81	1/2	1,571.83	1/2	1,213.56	1/2	854.49	1/2	494.82	1/2	135.16	1/2		1/2		1/2	
3/4	2,280.33	3/4	1,922.35	3/4	1,564.37	3/4	1,206.08	3/4	846.99	3/4	487.32	3/4	127.66	3/4		3/4		3/4	
11	2,272.87	11	1,914.89	11	1,556.91	11	1,198.61	11	839.50	11	479.83	11	120.17	11	11	11		11	
1/4	2,265.41	1/4	1,907.43	1/4	1,549.45	1/4	1,191.14	1/4	832.01	1/4	472.34	1/4	112.68	1/4		1/4		1/4	
1/2	2,257.96	1/2	1,899.98	1/2	1,541.99	1/2	1,183.67	1/2	824.51	1/2	464.85	1/2	105.19	1/2		1/2		1/2	
3/4	2,250.50	3/4	1,892.52	3/4	1,534.53	3/4	1,176.20	3/4	817.02	3/4	457.35	3/4	97.69	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/20/2012 INS
RECALCULATED: 11/28/2022 CL
NAME CHANGE: 11/28/2022 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2022

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



BARGE "KIRBY 30033"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT: 4'-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	0	109	0	277	0	442	0		0		0		0		0		0	
1/4	1	1/4	112	1/4	280	1/4	445	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1	1/2	115	1/2	284	1/2	448	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2	3/4	118	3/4	288	3/4	451	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3	1	121	1	291	1	454	1	1	1	1	1	1	1	1	1	1	1	1
1/4	4	1/4	125	1/4	295	1/4	457	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	5	1/2	128	1/2	298	1/2	460	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	7	3/4	131	3/4	302	3/4	463	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	8	2	135	2	306	2	466	2	2	2	2	2	2	2	2	2	2	2	2
1/4	10	1/4	138	1/4	309	1/4	469	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	11	1/2	141	1/2	313	1/2	471	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	13	3/4	145	3/4	317	3/4	474	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	14	3	148	3	320	3	477	3	3	3	3	3	3	3	3	3	3	3	3
1/4	16	1/4	152	1/4	324	1/4	480	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	18	1/2	155	1/2	327	1/2	482	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	20	3/4	158	3/4	331	3/4	485	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	22	4	162	4	334	4	487	4	4	4	4	4	4	4	4	4	4	4	4
1/4	24	1/4	165	1/4	338	1/4	490	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	26	1/2	169	1/2	342	1/2	492	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	29	3/4	172	3/4	345	3/4	495	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	31	5	176	5	349	5	497	5	5	5	5	5	5	5	5	5	5	5	5
1/4	33	1/4	179	1/4	352	1/4	500	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	35	1/2	183	1/2	356	1/2	502	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	38	3/4	186	3/4	359	3/4	504	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	40	6	190	6	363	6	507	6	6	6	6	6	6	6	6	6	6	6	6
1/4	43	1/4	193	1/4	366	1/4	509	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	45	1/2	197	1/2	370	1/2	511	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	48	3/4	201	3/4	373	3/4	513	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	50	7	204	7	377	7	515	7	7	7	7	7	7	7	7	7	7	7	7
1/4	53	1/4	208	1/4	380	1/4	517	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	56	1/2	211	1/2	383	1/2	519	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	58	3/4	215	3/4	387	3/4	520	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	61	8	219	8	390	8	522	8	8	8	8	8	8	8	8	8	8	8	8
1/4	64	1/4	222	1/4	394	1/4	524	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	67	1/2	226	1/2	397	1/2	525	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69	3/4	229	3/4	400	3/4	527	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	72	9	233	9	404	9	529	9	9	9	9	9	9	9	9	9	9	9	9
1/4	75	1/4	237	1/4	407	1/4	530	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78	1/2	240	1/2	410	1/2	531	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81	3/4	244	3/4	414	3/4	532	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	84	10	247	10	417	10	533	10	10	10	10	10	10	10	10	10	10	10	10
1/4	87	1/4	251	1/4	420	1/4	534	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	90	1/2	255	1/2	423	1/2	534	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	93	3/4	258	3/4	426	3/4	535	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	96	11	262	11	430	11		11	11	11	11	11	11	11	11	11	11	11	11
1/4	99	1/4	266	1/4	433	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	102	1/2	269	1/2	436	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	105	3/4	273	3/4	439	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

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.

STRAPPED: 10/06/2022 JS
CALCULATED: 10/11/2022 CL
ISSUED: 10/11/2022 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

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 30033"

SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE U.S. GALLONS

GAUGE HEIGHT: 5'-05 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	577	0	1,155	0	1,732	0	2,310	0		0		0		0		0	
1/4	12	1/4	589	1/4	1,167	1/4	1,744	1/4	2,322	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	24	1/2	601	1/2	1,179	1/2	1,756	1/2	2,334	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	36	3/4	613	3/4	1,191	3/4	1,768	3/4	2,346	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	48	1	626	1	1,203	1	1,780	1	2,358	1	1	1	1	1	1	1	1	1	1
1/4	60	1/4	638	1/4	1,215	1/4	1,792	1/4	2,370	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72	1/2	650	1/2	1,227	1/2	1,804	1/2	2,382	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84	3/4	662	3/4	1,239	3/4	1,816	3/4	2,394	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	96	2	674	2	1,251	2	1,828	2	2,406	2	2	2	2	2	2	2	2	2	2
1/4	108	1/4	686	1/4	1,263	1/4	1,840	1/4	2,418	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	120	1/2	698	1/2	1,275	1/2	1,852	1/2	2,430	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	132	3/4	710	3/4	1,287	3/4	1,865	3/4	2,442	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	144	3	722	3	1,299	3	1,877	3	2,454	3	3	3	3	3	3	3	3	3	3
1/4	156	1/4	734	1/4	1,311	1/4	1,889	1/4	2,466	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	168	1/2	746	1/2	1,323	1/2	1,901	1/2	2,478	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	180	3/4	758	3/4	1,335	3/4	1,913	3/4	2,490	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	192	4	770	4	1,347	4	1,925	4	2,502	4	4	4	4	4	4	4	4	4	4
1/4	204	1/4	782	1/4	1,359	1/4	1,937	1/4	2,514	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	217	1/2	794	1/2	1,371	1/2	1,949	1/2	2,526	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	229	3/4	806	3/4	1,383	3/4	1,961	3/4	2,538	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	241	5	818	5	1,395	5	1,973	5	2,550	5	5	5	5	5	5	5	5	5	5
1/4	253	1/4	830	1/4	1,407	1/4	1,985	1/4	2,562	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	265	1/2	842	1/2	1,419	1/2	1,997	1/2	2,574	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	277	3/4	854	3/4	1,431	3/4	2,009	3/4	2,586	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	289	6	866	6	1,444	6	2,021	6	2,598	6	6	6	6	6	6	6	6	6	6
1/4	301	1/4	878	1/4	1,456	1/4	2,033	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	313	1/2	890	1/2	1,468	1/2	2,045	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	325	3/4	902	3/4	1,480	3/4	2,057	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	337	7	914	7	1,492	7	2,069	7		7	7	7	7	7	7	7	7	7	7
1/4	349	1/4	926	1/4	1,504	1/4	2,081	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	361	1/2	938	1/2	1,516	1/2	2,093	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	373	3/4	950	3/4	1,528	3/4	2,105	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	385	8	962	8	1,540	8	2,117	8		8	8	8	8	8	8	8	8	8	8
1/4	397	1/4	974	1/4	1,552	1/4	2,129	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	409	1/2	986	1/2	1,564	1/2	2,141	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	421	3/4	998	3/4	1,576	3/4	2,153	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	433	9	1,010	9	1,588	9	2,165	9		9	9	9	9	9	9	9	9	9	9
1/4	445	1/4	1,022	1/4	1,600	1/4	2,177	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	457	1/2	1,035	1/2	1,612	1/2	2,189	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	469	3/4	1,047	3/4	1,624	3/4	2,201	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	481	10	1,059	10	1,636	10	2,213	10		10	10	10	10	10	10	10	10	10	10
1/4	493	1/4	1,071	1/4	1,648	1/4	2,225	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	505	1/2	1,083	1/2	1,660	1/2	2,237	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	517	3/4	1,095	3/4	1,672	3/4	2,249	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	529	11	1,107	11	1,684	11	2,261	11		11	11	11	11	11	11	11	11	11	11
1/4	541	1/4	1,119	1/4	1,696	1/4	2,274	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	553	1/2	1,131	1/2	1,708	1/2	2,286	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	565	3/4	1,143	3/4	1,720	3/4	2,298	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

STRAPPED: 10/06/2022 JS
CALCULATED: 10/11/2022 CL
ISSUED: 10/11/2022 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2022

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

