



BARGE "KIRBY 30045B"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 285'-06"

May 17, 2023

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 30045B"

1 PORT 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.	
0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4
0		0		0		0		0		0		0		0		0		0	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1		1		1		1		1		1		1		1		1		1	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2		2		2		2		2		2		2		2		2		2	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3		3		3		3		3		3		3		3		3		3	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4		4		4		4		4		4		4		4		4		4	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5		5		5		5		5		5		5		5		5		5	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6		6		6		6		6		6		6		6		6		6	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7		7		7		7		7		7		7		7		7		7	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8		8		8		8		8		8		8		8		8		8	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9		9		9		9		9		9		9		9		9		9	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10		10		10		10		10		10		10		10		10		10	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11		11		11		11		11		11		11		11		11		11	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11		11		11		11		11		11		11		11		11		11	
1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
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.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 52'-09" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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1 PORT ULLAGE TABLE

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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.	
0	2,627.19	0	2,231.60	0	1,836.02	0	1,441.00	0	1,046.11	0	650.54	0	255.14	0		0		0	
1/4	2,618.95	1/4	2,223.36	1/4	1,827.77	1/4	1,432.78	1/4	1,037.87	1/4	642.30	1/4	246.91	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,610.71	1/2	2,215.12	1/2	1,819.53	1/2	1,424.57	1/2	1,029.63	1/2	634.06	1/2	238.69	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,602.47	3/4	2,206.88	3/4	1,811.29	3/4	1,416.35	3/4	1,021.39	3/4	625.82	3/4	230.46	3/4	3/4	3/4	3/4	3/4	3/4
1	2,594.22	1	2,198.64	1	1,803.05	1	1,408.13	1	1,013.15	1	617.58	1	222.24	1	1	1	1	1	1
1/4	2,585.98	1/4	2,190.40	1/4	1,794.81	1/4	1,399.91	1/4	1,004.91	1/4	609.33	1/4	214.01	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,577.74	1/2	2,182.15	1/2	1,786.57	1/2	1,391.69	1/2	996.67	1/2	601.09	1/2	205.79	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,569.50	3/4	2,173.91	3/4	1,778.33	3/4	1,383.47	3/4	988.42	3/4	592.85	3/4	197.57	3/4	3/4	3/4	3/4	3/4	3/4
2	2,561.26	2	2,165.67	2	1,770.08	2	1,375.26	2	980.18	2	584.61	2	189.35	2	2	2	2	2	2
1/4	2,553.02	1/4	2,157.43	1/4	1,761.84	1/4	1,367.04	1/4	971.94	1/4	576.37	1/4	181.14	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,544.78	1/2	2,149.19	1/2	1,753.60	1/2	1,358.82	1/2	963.70	1/2	568.13	1/2	172.93	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,536.53	3/4	2,140.95	3/4	1,745.36	3/4	1,350.60	3/4	955.46	3/4	559.89	3/4	164.72	3/4	3/4	3/4	3/4	3/4	3/4
3	2,528.29	3	2,132.71	3	1,737.12	3	1,342.38	3	947.22	3	551.65	3	156.52	3	3	3	3	3	3
1/4	2,520.05	1/4	2,124.46	1/4	1,728.88	1/4	1,334.16	1/4	938.98	1/4	543.41	1/4	148.32	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,511.81	1/2	2,116.22	1/2	1,720.64	1/2	1,325.95	1/2	930.74	1/2	535.16	1/2	140.13	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,503.57	3/4	2,107.98	3/4	1,712.39	3/4	1,317.73	3/4	922.50	3/4	526.92	3/4	131.93	3/4	3/4	3/4	3/4	3/4	3/4
4	2,495.33	4	2,099.74	4	1,704.15	4	1,309.51	4	914.25	4	518.68	4	123.75	4	4	4	4	4	4
1/4	2,487.09	1/4	2,091.50	1/4	1,695.91	1/4	1,301.30	1/4	906.01	1/4	510.44	1/4	115.56	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,478.84	1/2	2,083.26	1/2	1,687.67	1/2	1,293.09	1/2	897.77	1/2	502.20	1/2	107.38	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,470.60	3/4	2,075.02	3/4	1,679.43	3/4	1,284.87	3/4	889.53	3/4	493.96	3/4	99.19	3/4	3/4	3/4	3/4	3/4	3/4
5	2,462.36	5	2,066.77	5	1,671.19	5	1,276.66	5	881.29	5	485.72	5	91.05	5	5	5	5	5	5
1/4	2,454.12	1/4	2,058.53	1/4	1,662.95	1/4	1,268.45	1/4	873.05	1/4	477.48	1/4	82.92	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,445.88	1/2	2,050.29	1/2	1,654.70	1/2	1,260.24	1/2	864.81	1/2	469.24	1/2	74.78	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,437.64	3/4	2,042.05	3/4	1,646.46	3/4	1,252.02	3/4	856.57	3/4	460.99	3/4	66.64	3/4	3/4	3/4	3/4	3/4	3/4
6	2,429.40	6	2,033.81	6	1,638.24	6	1,243.79	6	848.33	6	452.75	6	59.43	6	6	6	6	6	6
1/4	2,421.15	1/4	2,025.57	1/4	1,630.03	1/4	1,235.55	1/4	840.09	1/4	444.51	1/4	52.23	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,412.91	1/2	2,017.33	1/2	1,621.81	1/2	1,227.31	1/2	831.84	1/2	436.27	1/2	45.02	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,404.67	3/4	2,009.08	3/4	1,613.59	3/4	1,219.08	3/4	823.60	3/4	428.03	3/4	37.82	3/4	3/4	3/4	3/4	3/4	3/4
7	2,396.43	7	2,000.84	7	1,605.37	7	1,210.84	7	815.36	7	419.79	7	32.66	7	7	7	7	7	7
1/4	2,388.19	1/4	1,992.60	1/4	1,597.15	1/4	1,202.61	1/4	807.12	1/4	411.55	1/4	27.51	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,379.95	1/2	1,984.36	1/2	1,588.93	1/2	1,194.37	1/2	798.88	1/2	403.31	1/2	22.36	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,371.71	3/4	1,976.12	3/4	1,580.72	3/4	1,186.13	3/4	790.64	3/4	395.07	3/4	17.21	3/4	3/4	3/4	3/4	3/4	3/4
8	2,363.47	8	1,967.88	8	1,572.50	8	1,177.90	8	782.40	8	386.82	8		8	8	8	8	8	8
1/4	2,355.22	1/4	1,959.64	1/4	1,564.28	1/4	1,169.66	1/4	774.16	1/4	378.58	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,346.98	1/2	1,951.40	1/2	1,556.06	1/2	1,161.42	1/2	765.92	1/2	370.34	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,338.74	3/4	1,943.15	3/4	1,547.84	3/4	1,153.19	3/4	757.67	3/4	362.10	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,330.50	9	1,934.91	9	1,539.62	9	1,144.95	9	749.43	9	353.87	9		9	9	9	9	9	9
1/4	2,322.26	1/4	1,926.67	1/4	1,531.41	1/4	1,136.72	1/4	741.19	1/4	345.65	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,314.02	1/2	1,918.43	1/2	1,523.19	1/2	1,128.48	1/2	732.95	1/2	337.42	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,305.78	3/4	1,910.19	3/4	1,514.97	3/4	1,120.24	3/4	724.71	3/4	329.19	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	2,297.53	10	1,901.95	10	1,506.75	10	1,112.01	10	716.47	10	320.96	10		10	10	10	10	10	10
1/4	2,289.29	1/4	1,893.71	1/4	1,498.53	1/4	1,103.77	1/4	708.23	1/4	312.74	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,281.05	1/2	1,885.46	1/2	1,490.31	1/2	1,095.53	1/2	699.99	1/2	304.51	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,272.81	3/4	1,877.22	3/4	1,482.10	3/4	1,087.30	3/4	691.75	3/4	296.28	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,264.57	11	1,868.98	11	1,473.88	11	1,079.06	11	683.50	11	288.05	11		11	11	11	11	11	11
1/4	2,256.33	1/4	1,860.74	1/4	1,465.66	1/4	1,070.83	1/4	675.26	1/4	279.82	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,248.09	1/2	1,852.50	1/2	1,457.44	1/2	1,062.59	1/2	667.02	1/2	271.60	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,239.84	3/4	1,844.26	3/4	1,449.22	3/4	1,054.35	3/4	658.78	3/4	263.37	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/29/2013 CL - SW
CALCULATED: 04/29/2013 CL
VERIFIED: 05/17/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
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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.	
0	0	0	0	0	5,308.85	0	4,964.64	0	4,593.36	0	4,202.81	0	3,807.34	0	3,411.86	0	3,016.34		
1/4	1/4	1/4	1/4	1/4	5,304.04	1/4	4,957.12	1/4	4,585.41	1/4	4,194.57	1/4	3,799.10	1/4	3,403.62	1/4	3,008.09		
1/2	1/2	1/2	1/2	1/2	5,299.23	1/2	4,949.59	1/2	4,577.47	1/2	4,186.33	1/2	3,790.86	1/2	3,395.38	1/2	2,999.85		
3/4	3/4	3/4	3/4	3/4	5,293.05	3/4	4,942.03	3/4	4,569.49	3/4	4,178.10	3/4	3,782.62	3/4	3,387.14	3/4	2,991.61		
1	1	1	1	1	5,286.86	1	4,934.47	1	4,561.51	1	4,169.86	1	3,774.38	1	3,378.90	1	2,983.36		
1/4	1/4	1/4	1/4	1/4	5,280.68	1/4	4,926.91	1/4	4,553.53	1/4	4,161.62	1/4	3,766.14	1/4	3,370.66	1/4	2,975.12		
1/2	1/2	1/2	1/2	1/2	5,274.50	1/2	4,919.35	1/2	4,545.55	1/2	4,153.38	1/2	3,757.90	1/2	3,362.42	1/2	2,966.88		
3/4	3/4	3/4	3/4	3/4	5,266.94	3/4	4,911.76	3/4	4,537.53	3/4	4,145.14	3/4	3,749.66	3/4	3,354.19	3/4	2,958.63		
2	2	2	2	2	5,259.39	2	4,904.16	2	4,529.51	2	4,136.90	2	3,741.42	2	3,345.95	2	2,950.39		
1/4	1/4	1/4	1/4	1/4	5,251.83	1/4	4,896.57	1/4	4,521.50	1/4	4,128.66	1/4	3,733.18	1/4	3,337.71	1/4	2,942.15		
1/2	1/2	1/2	1/2	1/2	5,244.27	1/2	4,888.97	1/2	4,513.48	1/2	4,120.42	1/2	3,724.94	1/2	3,329.47	1/2	2,933.90		
3/4	3/4	3/4	3/4	3/4	5,237.06	3/4	4,881.34	3/4	4,505.43	3/4	4,112.18	3/4	3,716.71	3/4	3,321.23	3/4	2,925.66		
3	3	3	3	3	5,229.85	3	4,873.72	3	4,497.38	3	4,103.94	3	3,708.47	3	3,312.99	3	2,917.42		
1/4	1/4	1/4	1/4	1/4	5,222.65	1/4	4,866.09	1/4	4,489.33	1/4	4,095.70	1/4	3,700.23	1/4	3,304.75	1/4	2,909.17		
1/2	1/2	1/2	1/2	1/2	5,215.44	1/2	4,858.46	1/2	4,481.28	1/2	4,087.47	1/2	3,691.99	1/2	3,296.51	1/2	2,900.93		
3/4	3/4	3/4	3/4	3/4	5,208.19	3/4	4,850.79	3/4	4,473.20	3/4	4,079.23	3/4	3,683.75	3/4	3,288.27	3/4	2,892.69		
4	4	4	4	4	5,200.95	4	4,843.13	4	4,465.11	4	4,070.99	4	3,675.51	4	3,280.03	4	2,884.44		
1/4	1/4	1/4	1/4	1/4	5,193.70	1/4	4,835.46	1/4	4,457.02	1/4	4,062.75	1/4	3,667.27	1/4	3,271.79	1/4	2,876.20		
1/2	1/2	1/2	1/2	1/2	5,186.46	1/2	4,827.80	1/2	4,448.94	1/2	4,054.51	1/2	3,659.03	1/2	3,263.56	1/2	2,867.96		
3/4	3/4	3/4	3/4	3/4	5,179.18	3/4	4,820.10	3/4	4,440.82	3/4	4,046.27	3/4	3,650.79	3/4	3,255.32	3/4	2,859.71		
5	5	5	5	5	5,171.90	5	4,812.40	5	4,432.70	5	4,038.03	5	3,642.55	5	3,247.08	5	2,851.47		
1/4	1/4	1/4	1/4	1/4	5,164.62	1/4	4,804.69	1/4	4,424.58	1/4	4,029.79	1/4	3,634.31	1/4	3,238.84	1/4	2,843.22		
1/2	1/2	1/2	1/2	1/2	5,157.34	1/2	4,796.99	1/2	4,416.45	1/2	4,021.55	1/2	3,626.08	1/2	3,230.60	1/2	2,834.98		
3/4	3/4	3/4	3/4	3/4	5,150.03	3/4	4,789.26	3/4	4,408.30	3/4	4,013.31	3/4	3,617.84	3/4	3,222.36	3/4	2,826.74		
6	6	6	6	6	5,142.71	6	4,781.52	6	4,400.14	6	4,005.07	6	3,609.60	6	3,214.12	6	2,818.49		
1/4	1/4	1/4	1/4	1/4	5,135.40	1/4	4,773.79	1/4	4,391.99	1/4	3,996.84	1/4	3,601.36	1/4	3,205.88	1/4	2,810.25		
1/2	1/2	1/2	1/2	1/2	5,128.08	1/2	4,766.05	1/2	4,383.83	1/2	3,988.60	1/2	3,593.12	1/2	3,197.64	1/2	2,802.01		
3/4	3/4	3/4	3/4	3/4	5,120.73	3/4	4,758.28	3/4	4,375.64	3/4	3,980.36	3/4	3,584.88	3/4	3,189.40	3/4	2,793.76		
7	7	7	7	7	5,113.39	7	4,750.51	7	4,367.45	7	3,972.12	7	3,576.64	7	3,181.16	7	2,785.52		
1/4	1/4	1/4	1/4	1/4	5,106.04	1/4	4,742.74	1/4	4,359.26	1/4	3,963.88	1/4	3,568.40	1/4	3,172.93	1/4	2,777.28		
1/2	1/2	1/2	1/2	1/2	5,098.69	1/2	4,734.97	1/2	4,351.07	1/2	3,955.64	1/2	3,560.16	1/2	3,164.69	1/2	2,769.03		
3/4	3/4	3/4	3/4	3/4	5,091.30	3/4	4,727.17	3/4	4,342.84	3/4	3,947.40	3/4	3,551.92	3/4	3,156.45	3/4	2,760.79		
8	8	8	8	8	5,083.92	8	4,719.36	8	4,334.61	8	3,939.16	8	3,543.68	8	3,148.21	8	2,752.55		
1/4	1/4	1/4	1/4	1/4	5,076.53	1/4	4,711.56	1/4	4,326.39	1/4	3,930.92	1/4	3,535.45	1/4	3,139.97	1/4	2,744.30		
1/2	1/2	1/2	1/2	1/2	5,069.15	1/2	4,703.75	1/2	4,318.16	1/2	3,922.68	1/2	3,527.21	1/2	3,131.73	1/2	2,736.06		
3/4	3/4	3/4	3/4	3/4	5,061.73	3/4	4,695.91	3/4	4,309.92	3/4	3,914.44	3/4	3,518.97	3/4	3,123.49	3/4	2,727.82		
9	9	9	9	9	5,054.31	9	4,688.07	9	4,301.68	9	3,906.21	9	3,510.73	9	3,115.25	9	2,719.57		
1/4	1/4	1/4	1/4	1/4	5,046.89	1/4	4,680.23	1/4	4,293.44	1/4	3,897.97	1/4	3,502.49	1/4	3,107.01	1/4	2,711.33		
1/2	1/2	1/2	1/2	1/2	5,039.47	1/2	4,672.39	1/2	4,285.20	1/2	3,889.73	1/2	3,494.25	1/2	3,098.77	1/2	2,703.09		
3/4	3/4	3/4	3/4	3/4	5,032.02	3/4	4,664.52	3/4	4,276.96	3/4	3,881.49	3/4	3,486.01	3/4	3,090.53	3/4	2,694.84		
10	10	10	10	10	5,024.56	10	4,656.64	10	4,268.73	10	3,873.25	10	3,477.77	10	3,082.29	10	2,686.60		
1/4	1/4	1/4	1/4	1/4	5,017.11	1/4	4,648.77	1/4	4,260.49	1/4	3,865.01	1/4	3,469.53	1/4	3,074.04	1/4	2,678.35		
1/2	1/2	1/2	1/2	1/2	5,009.65	1/2	4,640.89	1/2	4,252.25	1/2	3,856.77	1/2	3,461.29	1/2	3,065.80	1/2	2,670.11		
3/4	3/4	3/4	3/4	3/4	5,002.16	3/4	4,632.98	3/4	4,244.01	3/4	3,848.53	3/4	3,453.05	3/4	3,057.56	3/4	2,661.87		
11	11	11	11	11	4,994.67	11	4,625.07	11	4,235.77	11	3,840.29	11	3,444.82	11	3,049.31	11	2,653.62		
1/4	1/4	1/4	1/4	1/4	4,987.18	1/4	4,617.16	1/4	4,227.53	1/4	3,832.05	1/4	3,436.58	1/4	3,041.07	1/4	2,645.38		
1/2	1/2	1/2	1/2	1/2	4,979.69	1/2	4,609.25	1/2	4,219.29	1/2	3,823.81	1/2	3,428.34	1/2	3,032.83	1/2	2,637.14		
3/4	3/4	3/4	3/4	3/4	4,972.17	3/4	4,601.30	3/4	4,211.05	3/4	3,815.58	3/4	3,420.10	3/4	3,024.58	3/4	2,628.89		

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'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 30045B"

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.	
0	2,620.65	0	2,224.96	0	1,829.48	0	1,433.76	0	1,038.22	0	642.51	0	247.00	0		0		0	
1/4	2,612.41	1/4	2,216.72	1/4	1,821.24	1/4	1,425.52	1/4	1,029.98	1/4	634.27	1/4	238.77	1/4		1/4		1/4	
1/2	2,604.16	1/2	2,208.48	1/2	1,812.99	1/2	1,417.28	1/2	1,021.73	1/2	626.02	1/2	230.54	1/2		1/2		1/2	
3/4	2,595.92	3/4	2,200.23	3/4	1,804.75	3/4	1,409.03	3/4	1,013.49	3/4	617.78	3/4	222.31	3/4		3/4		3/4	
1	2,587.68	1	2,191.99	1	1,796.50	1	1,400.79	1	1,005.24	1	609.54	1	214.08	1		1		1	
1/4	2,579.43	1/4	2,183.74	1/4	1,788.26	1/4	1,392.54	1/4	997.00	1/4	601.29	1/4	205.86	1/4		1/4		1/4	
1/2	2,571.19	1/2	2,175.50	1/2	1,780.02	1/2	1,384.30	1/2	988.76	1/2	593.05	1/2	197.63	1/2		1/2		1/2	
3/4	2,562.95	3/4	2,167.26	3/4	1,771.77	3/4	1,376.05	3/4	980.51	3/4	584.81	3/4	189.42	3/4		3/4		3/4	
2	2,554.70	2	2,159.01	2	1,763.53	2	1,367.81	2	972.27	2	576.56	2	181.20	2		2		2	
1/4	2,546.46	1/4	2,150.77	1/4	1,755.28	1/4	1,359.57	1/4	964.02	1/4	568.32	1/4	172.99	1/4		1/4		1/4	
1/2	2,538.22	1/2	2,142.53	1/2	1,747.04	1/2	1,351.32	1/2	955.78	1/2	560.07	1/2	164.77	1/2		1/2		1/2	
3/4	2,529.97	3/4	2,134.28	3/4	1,738.80	3/4	1,343.08	3/4	947.54	3/4	551.83	3/4	156.57	3/4		3/4		3/4	
3	2,521.73	3	2,126.04	3	1,730.55	3	1,334.83	3	939.29	3	543.59	3	148.37	3		3		3	
1/4	2,513.48	1/4	2,117.80	1/4	1,722.31	1/4	1,326.59	1/4	931.05	1/4	535.34	1/4	140.17	1/4		1/4		1/4	
1/2	2,505.24	1/2	2,109.55	1/2	1,714.06	1/2	1,318.35	1/2	922.81	1/2	527.10	1/2	131.97	1/2		1/2		1/2	
3/4	2,497.00	3/4	2,101.31	3/4	1,705.82	3/4	1,310.11	3/4	914.56	3/4	518.85	3/4	123.79	3/4		3/4		3/4	
4	2,488.75	4	2,093.07	4	1,697.57	4	1,301.87	4	906.32	4	510.61	4	115.60	4		4		4	
1/4	2,480.51	1/4	2,084.82	1/4	1,689.33	1/4	1,293.63	1/4	898.07	1/4	502.37	1/4	107.41	1/4		1/4		1/4	
1/2	2,472.27	1/2	2,076.58	1/2	1,681.09	1/2	1,285.39	1/2	889.83	1/2	494.12	1/2	99.23	1/2		1/2		1/2	
3/4	2,464.02	3/4	2,068.34	3/4	1,672.84	3/4	1,277.15	3/4	881.59	3/4	485.88	3/4	91.08	3/4		3/4		3/4	
5	2,455.78	5	2,060.11	5	1,664.60	5	1,268.91	5	873.34	5	477.63	5	82.94	5		5		5	
1/4	2,447.54	1/4	2,051.87	1/4	1,656.35	1/4	1,260.68	1/4	865.10	1/4	469.39	1/4	74.80	1/4		1/4		1/4	
1/2	2,439.29	1/2	2,043.63	1/2	1,648.11	1/2	1,252.44	1/2	856.85	1/2	461.15	1/2	66.66	1/2		1/2		1/2	
3/4	2,431.05	3/4	2,035.40	3/4	1,639.87	3/4	1,244.20	3/4	848.61	3/4	452.90	3/4	59.45	3/4		3/4		3/4	
6	2,422.81	6	2,027.17	6	1,631.62	6	1,235.96	6	840.37	6	444.66	6	52.24	6		6		6	
1/4	2,414.56	1/4	2,018.94	1/4	1,623.38	1/4	1,227.72	1/4	832.12	1/4	436.42	1/4	45.04	1/4		1/4		1/4	
1/2	2,406.32	1/2	2,010.71	1/2	1,615.13	1/2	1,219.48	1/2	823.88	1/2	428.17	1/2	37.83	1/2		1/2		1/2	
3/4	2,398.08	3/4	2,002.48	3/4	1,606.89	3/4	1,211.24	3/4	815.63	3/4	419.93	3/4	32.68	3/4		3/4		3/4	
7	2,389.83	7	1,994.25	7	1,598.65	7	1,203.00	7	807.39	7	411.68	7	27.52	7		7		7	
1/4	2,381.59	1/4	1,986.02	1/4	1,590.40	1/4	1,194.77	1/4	799.15	1/4	403.44	1/4	22.37	1/4		1/4		1/4	
1/2	2,373.35	1/2	1,977.79	1/2	1,582.16	1/2	1,186.53	1/2	790.90	1/2	395.20	1/2	17.22	1/2		1/2		1/2	
3/4	2,365.10	3/4	1,969.56	3/4	1,573.91	3/4	1,178.29	3/4	782.66	3/4	386.95	3/4		3/4		3/4		3/4	
8	2,356.86	8	1,961.33	8	1,565.67	8	1,170.05	8	774.42	8	378.71	8		8		8		8	
1/4	2,348.61	1/4	1,953.10	1/4	1,557.43	1/4	1,161.81	1/4	766.17	1/4	370.46	1/4		1/4		1/4		1/4	
1/2	2,340.37	1/2	1,944.87	1/2	1,549.18	1/2	1,153.57	1/2	757.93	1/2	362.22	1/2		1/2		1/2		1/2	
3/4	2,332.13	3/4	1,936.63	3/4	1,540.94	3/4	1,145.33	3/4	749.68	3/4	353.99	3/4		3/4		3/4		3/4	
9	2,323.88	9	1,928.40	9	1,532.69	9	1,137.09	9	741.44	9	345.76	9		9		9		9	
1/4	2,315.64	1/4	1,920.16	1/4	1,524.45	1/4	1,128.86	1/4	733.20	1/4	337.53	1/4		1/4		1/4		1/4	
1/2	2,307.40	1/2	1,911.92	1/2	1,516.20	1/2	1,120.62	1/2	724.95	1/2	329.30	1/2		1/2		1/2		1/2	
3/4	2,299.15	3/4	1,903.68	3/4	1,507.96	3/4	1,112.38	3/4	716.71	3/4	321.07	3/4		3/4		3/4		3/4	
10	2,290.91	10	1,895.43	10	1,499.72	10	1,104.14	10	708.46	10	312.84	10		10		10		10	
1/4	2,282.67	1/4	1,887.19	1/4	1,491.47	1/4	1,095.90	1/4	700.22	1/4	304.61	1/4		1/4		1/4		1/4	
1/2	2,274.42	1/2	1,878.94	1/2	1,483.23	1/2	1,087.66	1/2	691.98	1/2	296.38	1/2		1/2		1/2		1/2	
3/4	2,266.18	3/4	1,870.70	3/4	1,474.98	3/4	1,079.42	3/4	683.73	3/4	288.15	3/4		3/4		3/4		3/4	
11	2,257.94	11	1,862.46	11	1,466.74	11	1,071.19	11	675.49	11	279.92	11		11		11		11	
1/4	2,249.69	1/4	1,854.21	1/4	1,458.50	1/4	1,062.95	1/4	667.24	1/4	271.69	1/4		1/4		1/4		1/4	
1/2	2,241.45	1/2	1,845.97	1/2	1,450.25	1/2	1,054.71	1/2	659.00	1/2	263.46	1/2		1/2		1/2		1/2	
3/4	2,233.21	3/4	1,837.72	3/4	1,442.01	3/4	1,046.46	3/4	650.76	3/4	255.23	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/29/2013 CL - SW
CALCULATED: 04/29/2013 CL
VERIFIED: 05/17/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2023

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



BARGE "KIRBY 30045B"

2 PORT 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.		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13

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'-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 30045B"

2 PORT 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.	
0	2,605.56	0	2,211.15	0	1,816.73	0	1,423.87	0	1,043.01	0	648.61	0	254.39	0		0		0	
1/4	2,597.35	1/4	2,202.93	1/4	1,808.52	1/4	1,415.97	1/4	1,034.80	1/4	640.40	1/4	246.18	1/4	1/4		1/4		1/4
1/2	2,589.13	1/2	2,194.71	1/2	1,800.30	1/2	1,408.06	1/2	1,026.58	1/2	632.18	1/2	237.98	1/2	1/2		1/2		1/2
3/4	2,580.91	3/4	2,186.50	3/4	1,792.08	3/4	1,401.16	3/4	1,018.36	3/4	623.96	3/4	229.78	3/4	3/4		3/4		3/4
1	2,572.70	1	2,178.28	1	1,783.86	1	1,392.25	1	1,010.15	1	615.75	1	221.58	1	1		1		1
1/4	2,564.48	1/4	2,170.06	1/4	1,775.65	1/4	1,384.34	1/4	1,001.93	1/4	607.53	1/4	213.38	1/4	1/4		1/4		1/4
1/2	2,556.26	1/2	2,161.85	1/2	1,767.43	1/2	1,376.44	1/2	993.71	1/2	599.31	1/2	205.18	1/2	1/2		1/2		1/2
3/4	2,548.05	3/4	2,153.63	3/4	1,759.21	3/4	1,368.53	3/4	985.50	3/4	591.10	3/4	196.98	3/4	3/4		3/4		3/4
2	2,539.83	2	2,145.41	2	1,751.00	2	1,360.63	2	977.28	2	582.88	2	188.80	2	2		2		2
1/4	2,531.61	1/4	2,137.20	1/4	1,742.78	1/4	1,352.72	1/4	969.06	1/4	574.66	1/4	180.61	1/4	1/4		1/4		1/4
1/2	2,523.39	1/2	2,128.98	1/2	1,734.56	1/2	1,344.82	1/2	960.85	1/2	566.45	1/2	172.42	1/2	1/2		1/2		1/2
3/4	2,515.18	3/4	2,120.76	3/4	1,726.35	3/4	1,336.91	3/4	952.63	3/4	558.23	3/4	164.23	3/4	3/4		3/4		3/4
3	2,506.96	3	2,112.54	3	1,718.13	3	1,329.00	3	944.41	3	550.01	3	156.06	3	3		3		3
1/4	2,498.74	1/4	2,104.33	1/4	1,709.91	1/4	1,321.10	1/4	936.20	1/4	541.80	1/4	147.89	1/4	1/4		1/4		1/4
1/2	2,490.53	1/2	2,096.11	1/2	1,701.69	1/2	1,313.19	1/2	927.98	1/2	533.58	1/2	139.71	1/2	1/2		1/2		1/2
3/4	2,482.31	3/4	2,087.89	3/4	1,693.48	3/4	1,305.29	3/4	919.76	3/4	525.36	3/4	131.54	3/4	3/4		3/4		3/4
4	2,474.09	4	2,079.68	4	1,685.26	4	1,297.39	4	911.55	4	517.15	4	123.38	4	4		4		4
1/4	2,465.88	1/4	2,071.46	1/4	1,677.04	1/4	1,289.49	1/4	903.33	1/4	508.93	1/4	115.22	1/4	1/4		1/4		1/4
1/2	2,457.66	1/2	2,063.24	1/2	1,668.83	1/2	1,281.59	1/2	895.11	1/2	500.71	1/2	107.06	1/2	1/2		1/2		1/2
3/4	2,449.44	3/4	2,055.03	3/4	1,660.61	3/4	1,273.69	3/4	886.90	3/4	492.50	3/4	98.90	3/4	3/4		3/4		3/4
5	2,441.22	5	2,046.81	5	1,652.39	5	1,265.79	5	878.68	5	484.28	5	90.79	5	5		5		5
1/4	2,433.01	1/4	2,038.59	1/4	1,644.18	1/4	1,257.89	1/4	870.46	1/4	476.06	1/4	82.67	1/4	1/4		1/4		1/4
1/2	2,424.79	1/2	2,030.37	1/2	1,635.96	1/2	1,249.99	1/2	862.25	1/2	467.85	1/2	74.56	1/2	1/2		1/2		1/2
3/4	2,416.57	3/4	2,022.16	3/4	1,627.74	3/4	1,242.08	3/4	854.03	3/4	459.63	3/4	66.44	3/4	3/4		3/4		3/4
6	2,408.36	6	2,013.94	6	1,619.52	6	1,234.18	6	845.81	6	451.41	6	59.26	6	6		6		6
1/4	2,400.14	1/4	2,005.72	1/4	1,611.31	1/4	1,226.28	1/4	837.60	1/4	443.20	1/4	52.08	1/4	1/4		1/4		1/4
1/2	2,391.92	1/2	1,997.51	1/2	1,603.09	1/2	1,218.38	1/2	829.38	1/2	434.98	1/2	44.89	1/2	1/2		1/2		1/2
3/4	2,383.71	3/4	1,989.29	3/4	1,594.87	3/4	1,210.48	3/4	821.16	3/4	426.76	3/4	37.71	3/4	3/4		3/4		3/4
7	2,375.49	7	1,981.07	7	1,586.66	7	1,202.58	7	812.95	7	418.55	7	32.57	7	7		7		7
1/4	2,367.27	1/4	1,972.86	1/4	1,578.44	1/4	1,194.68	1/4	804.73	1/4	410.33	1/4	27.44	1/4	1/4		1/4		1/4
1/2	2,359.05	1/2	1,964.64	1/2	1,570.22	1/2	1,186.78	1/2	796.51	1/2	402.11	1/2	22.30	1/2	1/2		1/2		1/2
3/4	2,350.84	3/4	1,956.42	3/4	1,562.01	3/4	1,178.88	3/4	788.30	3/4	393.90	3/4	17.16	3/4	3/4		3/4		3/4
8	2,342.62	8	1,948.20	8	1,553.79	8	1,170.98	8	780.08	8	385.68	8		8	8		8		8
1/4	2,334.40	1/4	1,939.99	1/4	1,545.57	1/4	1,163.08	1/4	771.86	1/4	377.46	1/4		1/4	1/4		1/4		1/4
1/2	2,326.19	1/2	1,931.77	1/2	1,537.35	1/2	1,155.18	1/2	763.65	1/2	369.25	1/2		1/2	1/2		1/2		1/2
3/4	2,317.97	3/4	1,923.55	3/4	1,529.14	3/4	1,147.28	3/4	755.43	3/4	361.03	3/4		3/4	3/4		3/4		3/4
9	2,309.75	9	1,915.34	9	1,520.92	9	1,139.38	9	747.21	9	352.83	9		9	9		9		9
1/4	2,301.54	1/4	1,907.12	1/4	1,512.70	1/4	1,131.48	1/4	739.00	1/4	344.62	1/4		1/4	1/4		1/4		1/4
1/2	2,293.32	1/2	1,898.90	1/2	1,504.49	1/2	1,123.58	1/2	730.78	1/2	336.42	1/2		1/2	1/2		1/2		1/2
3/4	2,285.10	3/4	1,890.69	3/4	1,496.27	3/4	1,115.68	3/4	722.56	3/4	328.22	3/4		3/4	3/4		3/4		3/4
10	2,276.88	10	1,882.47	10	1,488.05	10	1,107.78	10	714.35	10	320.01	10		10	10		10		10
1/4	2,268.67	1/4	1,874.25	1/4	1,479.84	1/4	1,099.88	1/4	706.13	1/4	311.81	1/4		1/4	1/4		1/4		1/4
1/2	2,260.45	1/2	1,866.03	1/2	1,471.62	1/2	1,091.98	1/2	697.91	1/2	303.61	1/2		1/2	1/2		1/2		1/2
3/4	2,252.23	3/4	1,857.82	3/4	1,463.40	3/4	1,084.08	3/4	689.70	3/4	295.40	3/4		3/4	3/4		3/4		3/4
11	2,244.02	11	1,849.60	11	1,455.50	11	1,075.87	11	681.48	11	287.20	11		11	11		11		11
1/4	2,235.80	1/4	1,841.38	1/4	1,447.59	1/4	1,067.65	1/4	673.26	1/4	279.00	1/4		1/4	1/4		1/4		1/4
1/2	2,227.58	1/2	1,833.17	1/2	1,439.68	1/2	1,059.44	1/2	665.05	1/2	270.79	1/2		1/2	1/2		1/2		1/2
3/4	2,219.37	3/4	1,824.95	3/4	1,431.78	3/4	1,051.23	3/4	656.83	3/4	262.59	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/29/2013 CL - SW
CALCULATED: 04/29/2013 CL
VERIFIED: 05/17/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2023

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
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BARGE "KIRBY 30045B"

2 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.	
0	0	0	0	0	5,287.74	0	4,944.90	0	4,575.04	0	4,185.92	0	3,791.85	0	3,397.79	0	3,003.69		
1/4	1/4	1/4	1/4	1/4	5,282.95	1/4	4,937.41	1/4	4,567.13	1/4	4,177.71	1/4	3,783.65	1/4	3,389.58	1/4	2,995.48		
1/2	1/2	1/2	1/2	1/2	5,278.16	1/2	4,929.91	1/2	4,559.21	1/2	4,169.50	1/2	3,775.44	1/2	3,381.37	1/2	2,987.26		
3/4	3/4	3/4	3/4	3/4	5,272.00	3/4	4,922.38	3/4	4,551.26	3/4	4,161.29	3/4	3,767.23	3/4	3,373.17	3/4	2,979.05		
1	1	1	1	1	5,265.84	1	4,914.85	1	4,543.31	1	4,153.08	1	3,759.02	1	3,364.96	1	2,970.84		
1/4	1/4	1/4	1/4	1/4	5,259.68	1/4	4,907.32	1/4	4,535.36	1/4	4,144.87	1/4	3,750.81	1/4	3,356.75	1/4	2,962.62		
1/2	1/2	1/2	1/2	1/2	5,253.52	1/2	4,899.79	1/2	4,527.41	1/2	4,136.66	1/2	3,742.60	1/2	3,348.54	1/2	2,954.41		
3/4	3/4	3/4	3/4	3/4	5,245.99	3/4	4,892.23	3/4	4,519.42	3/4	4,128.45	3/4	3,734.39	3/4	3,340.33	3/4	2,946.20		
2	2	2	2	2	5,238.46	2	4,884.66	2	4,511.44	2	4,120.24	2	3,726.18	2	3,332.12	2	2,937.99		
1/4	1/4	1/4	1/4	1/4	5,230.93	1/4	4,877.10	1/4	4,503.45	1/4	4,112.03	1/4	3,717.97	1/4	3,323.91	1/4	2,929.77		
1/2	1/2	1/2	1/2	1/2	5,223.40	1/2	4,869.53	1/2	4,495.46	1/2	4,103.82	1/2	3,709.76	1/2	3,315.70	1/2	2,921.56		
3/4	3/4	3/4	3/4	3/4	5,216.22	3/4	4,861.93	3/4	4,487.44	3/4	4,095.61	3/4	3,701.55	3/4	3,307.49	3/4	2,913.35		
3	3	3	3	3	5,209.04	3	4,854.33	3	4,479.42	3	4,087.40	3	3,693.34	3	3,299.28	3	2,905.13		
1/4	1/4	1/4	1/4	1/4	5,201.86	1/4	4,846.73	1/4	4,471.40	1/4	4,079.19	1/4	3,685.13	1/4	3,291.07	1/4	2,896.92		
1/2	1/2	1/2	1/2	1/2	5,194.68	1/2	4,839.13	1/2	4,463.38	1/2	4,070.98	1/2	3,676.92	1/2	3,282.86	1/2	2,888.71		
3/4	3/4	3/4	3/4	3/4	5,187.46	3/4	4,831.49	3/4	4,455.32	3/4	4,062.77	3/4	3,668.71	3/4	3,274.65	3/4	2,880.49		
4	4	4	4	4	5,180.25	4	4,823.86	4	4,447.27	4	4,054.56	4	3,660.50	4	3,266.44	4	2,872.28		
1/4	1/4	1/4	1/4	1/4	5,173.04	1/4	4,816.22	1/4	4,439.21	1/4	4,046.35	1/4	3,652.29	1/4	3,258.23	1/4	2,864.07		
1/2	1/2	1/2	1/2	1/2	5,165.82	1/2	4,808.59	1/2	4,431.16	1/2	4,038.14	1/2	3,644.08	1/2	3,250.02	1/2	2,855.85		
3/4	3/4	3/4	3/4	3/4	5,158.57	3/4	4,800.92	3/4	4,423.06	3/4	4,029.93	3/4	3,635.87	3/4	3,241.81	3/4	2,847.64		
5	5	5	5	5	5,151.32	5	4,793.25	5	4,414.97	5	4,021.72	5	3,627.66	5	3,233.60	5	2,839.43		
1/4	1/4	1/4	1/4	1/4	5,144.07	1/4	4,785.58	1/4	4,406.88	1/4	4,013.51	1/4	3,619.45	1/4	3,225.39	1/4	2,831.22		
1/2	1/2	1/2	1/2	1/2	5,136.82	1/2	4,777.91	1/2	4,398.79	1/2	4,005.30	1/2	3,611.24	1/2	3,217.18	1/2	2,823.00		
3/4	3/4	3/4	3/4	3/4	5,129.54	3/4	4,770.20	3/4	4,390.66	3/4	3,997.09	3/4	3,603.03	3/4	3,208.97	3/4	2,814.79		
6	6	6	6	6	5,122.25	6	4,762.50	6	4,382.54	6	3,988.89	6	3,594.82	6	3,200.76	6	2,806.58		
1/4	1/4	1/4	1/4	1/4	5,114.97	1/4	4,754.79	1/4	4,374.41	1/4	3,980.68	1/4	3,586.61	1/4	3,192.55	1/4	2,798.36		
1/2	1/2	1/2	1/2	1/2	5,107.68	1/2	4,747.09	1/2	4,366.29	1/2	3,972.47	1/2	3,578.41	1/2	3,184.34	1/2	2,790.15		
3/4	3/4	3/4	3/4	3/4	5,100.37	3/4	4,739.35	3/4	4,358.12	3/4	3,964.26	3/4	3,570.20	3/4	3,176.13	3/4	2,781.94		
7	7	7	7	7	5,093.05	7	4,731.61	7	4,349.96	7	3,956.05	7	3,561.99	7	3,167.93	7	2,773.72		
1/4	1/4	1/4	1/4	1/4	5,085.73	1/4	4,723.87	1/4	4,341.80	1/4	3,947.84	1/4	3,553.78	1/4	3,159.72	1/4	2,765.51		
1/2	1/2	1/2	1/2	1/2	5,078.41	1/2	4,716.12	1/2	4,333.64	1/2	3,939.63	1/2	3,545.57	1/2	3,151.51	1/2	2,757.30		
3/4	3/4	3/4	3/4	3/4	5,071.05	3/4	4,708.35	3/4	4,325.44	3/4	3,931.42	3/4	3,537.36	3/4	3,143.30	3/4	2,749.08		
8	8	8	8	8	5,063.70	8	4,700.57	8	4,317.24	8	3,923.21	8	3,529.15	8	3,135.09	8	2,740.87		
1/4	1/4	1/4	1/4	1/4	5,056.34	1/4	4,692.80	1/4	4,309.05	1/4	3,915.00	1/4	3,520.94	1/4	3,126.88	1/4	2,732.66		
1/2	1/2	1/2	1/2	1/2	5,048.99	1/2	4,685.02	1/2	4,300.85	1/2	3,906.79	1/2	3,512.73	1/2	3,118.67	1/2	2,724.45		
3/4	3/4	3/4	3/4	3/4	5,041.60	3/4	4,677.21	3/4	4,292.64	3/4	3,898.58	3/4	3,504.52	3/4	3,110.46	3/4	2,716.23		
9	9	9	9	9	5,034.21	9	4,669.40	9	4,284.43	9	3,890.37	9	3,496.31	9	3,102.24	9	2,708.02		
1/4	1/4	1/4	1/4	1/4	5,026.82	1/4	4,661.59	1/4	4,276.22	1/4	3,882.16	1/4	3,488.10	1/4	3,094.03	1/4	2,699.81		
1/2	1/2	1/2	1/2	1/2	5,019.43	1/2	4,653.78	1/2	4,268.01	1/2	3,873.95	1/2	3,479.89	1/2	3,085.82	1/2	2,691.59		
3/4	3/4	3/4	3/4	3/4	5,012.00	3/4	4,645.93	3/4	4,259.80	3/4	3,865.74	3/4	3,471.68	3/4	3,077.61	3/4	2,683.38		
10	10	10	10	10	5,004.58	10	4,638.09	10	4,251.59	10	3,857.53	10	3,463.47	10	3,069.40	10	2,675.17		
1/4	1/4	1/4	1/4	1/4	4,997.15	1/4	4,630.24	1/4	4,243.38	1/4	3,849.32	1/4	3,455.26	1/4	3,061.18	1/4	2,666.95		
1/2	1/2	1/2	1/2	1/2	4,989.73	1/2	4,622.40	1/2	4,235.17	1/2	3,841.11	1/2	3,447.05	1/2	3,052.97	1/2	2,658.74		
3/4	3/4	3/4	3/4	3/4	4,982.27	3/4	4,614.52	3/4	4,226.96	3/4	3,832.90	3/4	3,438.84	3/4	3,044.76	3/4	2,650.53		
11	11	11	11	11	4,974.81	11	4,606.64	11	4,218.75	11	3,824.69	11	3,430.63	11	3,036.54	11	2,642.31		
1/4	1/4	1/4	1/4	1/4	4,967.35	1/4	4,598.76	1/4	4,210.54	1/4	3,816.48	1/4	3,422.42	1/4	3,028.33	1/4	2,634.10		
1/2	1/2	1/2	1/2	1/2	4,959.89	1/2	4,590.87	1/2	4,202.33	1/2	3,808.27	1/2	3,414.21	1/2	3,020.12	1/2	2,625.89		
3/4	3/4	3/4	3/4	3/4	4,952.40	3/4	4,582.96	3/4	4,194.13	3/4	3,800.06	3/4	3,406.00	3/4	3,011.90	3/4	2,617.67		

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'-09" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 30045B"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07 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	2,609.46	0	2,215.23	0	1,822.85	0	1,428.56	0	1,034.46	0	640.18	0	246.10	0		0		0	
1/4	2,601.25	1/4	2,207.02	1/4	1,814.63	1/4	1,420.35	1/4	1,026.24	1/4	631.97	1/4	237.90	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,593.04	1/2	2,198.81	1/2	1,806.42	1/2	1,412.14	1/2	1,018.03	1/2	623.76	1/2	229.70	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,584.82	3/4	2,190.59	3/4	1,798.20	3/4	1,403.92	3/4	1,009.81	3/4	615.54	3/4	221.51	3/4	3/4	3/4	3/4	3/4	3/4
1	2,576.61	1	2,182.38	1	1,789.99	1	1,395.71	1	1,001.60	1	607.33	1	213.31	1	1	1	1	1	1
1/4	2,568.40	1/4	2,174.17	1/4	1,781.77	1/4	1,387.49	1/4	993.39	1/4	599.11	1/4	205.11	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,560.18	1/2	2,165.95	1/2	1,773.56	1/2	1,379.28	1/2	985.17	1/2	590.90	1/2	196.92	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,551.97	3/4	2,157.74	3/4	1,765.35	3/4	1,371.06	3/4	976.96	3/4	582.69	3/4	188.73	3/4	3/4	3/4	3/4	3/4	3/4
2	2,543.76	2	2,149.53	2	1,757.13	2	1,362.85	2	968.74	2	574.47	2	180.55	2	2	2	2	2	2
1/4	2,535.54	1/4	2,141.31	1/4	1,748.92	1/4	1,354.64	1/4	960.53	1/4	566.26	1/4	172.36	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,527.33	1/2	2,133.10	1/2	1,740.70	1/2	1,346.42	1/2	952.32	1/2	558.04	1/2	164.18	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,519.12	3/4	2,124.89	3/4	1,732.49	3/4	1,338.21	3/4	944.10	3/4	549.83	3/4	156.01	3/4	3/4	3/4	3/4	3/4	3/4
3	2,510.90	3	2,116.68	3	1,724.28	3	1,329.99	3	935.89	3	541.62	3	147.84	3	3	3	3	3	3
1/4	2,502.69	1/4	2,108.46	1/4	1,716.06	1/4	1,321.78	1/4	927.67	1/4	533.40	1/4	139.67	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,494.48	1/2	2,100.25	1/2	1,707.85	1/2	1,313.57	1/2	919.46	1/2	525.19	1/2	131.50	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,486.27	3/4	2,092.04	3/4	1,699.63	3/4	1,305.36	3/4	911.25	3/4	516.97	3/4	123.34	3/4	3/4	3/4	3/4	3/4	3/4
4	2,478.05	4	2,083.82	4	1,691.42	4	1,297.15	4	903.03	4	508.76	4	115.18	4	4	4	4	4	4
1/4	2,469.84	1/4	2,075.61	1/4	1,683.20	1/4	1,288.94	1/4	894.82	1/4	500.55	1/4	107.03	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,461.63	1/2	2,067.40	1/2	1,674.99	1/2	1,280.73	1/2	886.60	1/2	492.33	1/2	98.87	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,453.41	3/4	2,059.24	3/4	1,666.78	3/4	1,272.52	3/4	878.39	3/4	484.12	3/4	90.76	3/4	3/4	3/4	3/4	3/4	3/4
5	2,445.20	5	2,051.09	5	1,658.56	5	1,264.31	5	870.18	5	475.90	5	82.65	5	5	5	5	5	5
1/4	2,436.99	1/4	2,042.93	1/4	1,650.35	1/4	1,256.10	1/4	861.96	1/4	467.69	1/4	74.53	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,428.77	1/2	2,034.78	1/2	1,642.13	1/2	1,247.90	1/2	853.75	1/2	459.48	1/2	66.42	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,420.56	3/4	2,026.68	3/4	1,633.92	3/4	1,239.69	3/4	845.53	3/4	451.26	3/4	59.24	3/4	3/4	3/4	3/4	3/4	3/4
6	2,412.35	6	2,018.58	6	1,625.71	6	1,231.48	6	837.32	6	443.05	6	52.06	6	6	6	6	6	6
1/4	2,404.13	1/4	2,010.49	1/4	1,617.49	1/4	1,223.27	1/4	829.11	1/4	434.83	1/4	44.88	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,395.92	1/2	2,002.39	1/2	1,609.28	1/2	1,215.06	1/2	820.89	1/2	426.62	1/2	37.69	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,387.71	3/4	1,994.29	3/4	1,601.06	3/4	1,206.85	3/4	812.68	3/4	418.41	3/4	32.56	3/4	3/4	3/4	3/4	3/4	3/4
7	2,379.49	7	1,986.20	7	1,592.85	7	1,198.64	7	804.46	7	410.19	7	27.43	7	7	7	7	7	7
1/4	2,371.28	1/4	1,978.10	1/4	1,584.63	1/4	1,190.43	1/4	796.25	1/4	401.98	1/4	22.29	1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,363.07	1/2	1,970.00	1/2	1,576.42	1/2	1,182.22	1/2	788.04	1/2	393.76	1/2	17.16	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,354.86	3/4	1,961.90	3/4	1,568.21	3/4	1,174.02	3/4	779.82	3/4	385.55	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	2,346.64	8	1,953.81	8	1,559.99	8	1,165.81	8	771.61	8	377.34	8		8	8	8	8	8	8
1/4	2,338.43	1/4	1,945.71	1/4	1,551.78	1/4	1,157.60	1/4	763.39	1/4	369.12	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,330.22	1/2	1,937.61	1/2	1,543.56	1/2	1,149.39	1/2	755.18	1/2	360.91	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,322.00	3/4	1,929.46	3/4	1,535.35	3/4	1,141.18	3/4	746.97	3/4	352.71	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	2,313.79	9	1,921.30	9	1,527.13	9	1,132.97	9	738.75	9	344.51	9		9	9	9	9	9	9
1/4	2,305.58	1/4	1,913.14	1/4	1,518.92	1/4	1,124.76	1/4	730.54	1/4	336.31	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,297.36	1/2	1,904.99	1/2	1,510.71	1/2	1,116.55	1/2	722.32	1/2	328.11	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,289.15	3/4	1,896.77	3/4	1,502.49	3/4	1,108.35	3/4	714.11	3/4	319.91	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	2,280.94	10	1,888.56	10	1,494.28	10	1,100.14	10	705.90	10	311.71	10		10	10	10	10	10	10
1/4	2,272.72	1/4	1,880.35	1/4	1,486.06	1/4	1,091.93	1/4	697.68	1/4	303.51	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,264.51	1/2	1,872.13	1/2	1,477.85	1/2	1,083.72	1/2	689.47	1/2	295.30	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,256.30	3/4	1,863.92	3/4	1,469.64	3/4	1,075.51	3/4	681.25	3/4	287.10	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	2,248.09	11	1,855.70	11	1,461.42	11	1,067.30	11	673.04	11	278.90	11		11	11	11	11	11	11
1/4	2,239.87	1/4	1,847.49	1/4	1,453.21	1/4	1,059.09	1/4	664.83	1/4	270.70	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	2,231.66	1/2	1,839.27	1/2	1,444.99	1/2	1,050.88	1/2	656.61	1/2	262.50	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	2,223.45	3/4	1,831.06	3/4	1,436.78	3/4	1,042.67	3/4	648.40	3/4	254.30	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/29/2013 CL - SW
CALCULATED: 04/29/2013 CL
VERIFIED: 05/17/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2023

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





BARGE "KIRBY 30045B"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

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 59'-00" 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 30045B"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/4"

	10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.
0	2,520.08	0	2,128.84	0	1,737.49	0	1,345.52	0	963.95	0	577.34	0	183.37	0		0		0	
1/4	2,511.91	1/4	2,120.71	1/4	1,729.33	1/4	1,337.36	1/4	956.12	1/4	569.18	1/4	174.94	1/4	1/4		1/4		1/4
1/2	2,503.74	1/2	2,112.57	1/2	1,721.16	1/2	1,329.19	1/2	948.29	1/2	561.03	1/2	167.35	1/2	1/2		1/2		1/2
3/4	2,495.58	3/4	2,104.43	3/4	1,713.00	3/4	1,321.02	3/4	940.46	3/4	552.88	3/4	159.77	3/4	3/4		3/4		3/4
1	2,487.41	1	2,096.30	1	1,704.83	1	1,312.86	1	932.62	1	544.72	1	152.19	1	1		1		1
1/4	2,479.24	1/4	2,088.16	1/4	1,696.66	1/4	1,304.69	1/4	924.79	1/4	536.57	1/4	144.61	1/4	1/4		1/4		1/4
1/2	2,471.07	1/2	2,080.02	1/2	1,688.50	1/2	1,296.52	1/2	916.96	1/2	528.42	1/2	138.20	1/2	1/2		1/2		1/2
3/4	2,462.90	3/4	2,071.89	3/4	1,680.33	3/4	1,288.36	3/4	909.12	3/4	520.27	3/4	131.80	3/4	3/4		3/4		3/4
2	2,454.73	2	2,063.75	2	1,672.17	2	1,280.19	2	901.29	2	512.11	2	125.39	2	2		2		2
1/4	2,446.56	1/4	2,055.62	1/4	1,664.00	1/4	1,272.03	1/4	893.46	1/4	503.96	1/4	118.99	1/4	1/4		1/4		1/4
1/2	2,438.39	1/2	2,047.48	1/2	1,655.83	1/2	1,263.86	1/2	885.61	1/2	495.81	1/2	113.77	1/2	1/2		1/2		1/2
3/4	2,430.22	3/4	2,039.34	3/4	1,647.67	3/4	1,255.69	3/4	877.76	3/4	487.65	3/4	108.55	3/4	3/4		3/4		3/4
3	2,422.05	3	2,031.21	3	1,639.50	3	1,247.53	3	869.91	3	479.50	3	103.33	3	3		3		3
1/4	2,413.88	1/4	2,023.07	1/4	1,631.33	1/4	1,239.36	1/4	862.07	1/4	471.35	1/4	98.11	1/4	1/4		1/4		1/4
1/2	2,405.71	1/2	2,014.93	1/2	1,623.17	1/2	1,231.20	1/2	854.20	1/2	463.18	1/2	94.08	1/2	1/2		1/2		1/2
3/4	2,397.54	3/4	2,006.80	3/4	1,615.00	3/4	1,223.03	3/4	846.33	3/4	455.00	3/4	90.05	3/4	3/4		3/4		3/4
4	2,389.37	4	1,998.66	4	1,606.84	4	1,214.86	4	838.47	4	446.83	4	86.02	4	4		4		4
1/4	2,381.20	1/4	1,990.52	1/4	1,598.67	1/4	1,206.70	1/4	830.60	1/4	438.66	1/4	81.98	1/4	1/4		1/4		1/4
1/2	2,373.03	1/2	1,982.39	1/2	1,590.50	1/2	1,198.55	1/2	822.43	1/2	430.49	1/2	79.40	1/2	1/2		1/2		1/2
3/4	2,364.86	3/4	1,974.25	3/4	1,582.34	3/4	1,191.01	3/4	814.26	3/4	422.32	3/4	76.81	3/4	3/4		3/4		3/4
5	2,356.70	5	1,966.12	5	1,574.17	5	1,183.16	5	806.08	5	414.15	5	74.23	5	5		5		5
1/4	2,348.53	1/4	1,957.98	1/4	1,566.01	1/4	1,175.32	1/4	797.91	1/4	405.97	1/4	71.64	1/4	1/4		1/4		1/4
1/2	2,340.39	1/2	1,949.81	1/2	1,557.84	1/2	1,167.49	1/2	789.74	1/2	397.79	1/2	70.28	1/2	1/2		1/2		1/2
3/4	2,332.25	3/4	1,941.65	3/4	1,549.67	3/4	1,159.66	3/4	781.57	3/4	389.61	3/4	68.91	3/4	3/4		3/4		3/4
6	2,324.12	6	1,933.48	6	1,541.51	6	1,151.83	6	773.40	6	381.43	6	67.54	6	6		6		6
1/4	2,315.98	1/4	1,925.31	1/4	1,533.34	1/4	1,144.00	1/4	765.23	1/4	373.24	1/4	66.18	1/4	1/4		1/4		1/4
1/2	2,307.84	1/2	1,917.15	1/2	1,525.18	1/2	1,136.18	1/2	757.06	1/2	365.06	1/2		1/2	1/2		1/2		1/2
3/4	2,299.71	3/4	1,908.98	3/4	1,517.01	3/4	1,128.35	3/4	748.88	3/4	356.88	3/4		3/4	3/4		3/4		3/4
7	2,291.57	7	1,900.82	7	1,508.84	7	1,120.52	7	740.71	7	348.69	7	7	7	7		7		7
1/4	2,283.43	1/4	1,892.65	1/4	1,500.68	1/4	1,112.69	1/4	732.54	1/4	340.51	1/4		1/4	1/4		1/4		1/4
1/2	2,275.30	1/2	1,884.48	1/2	1,492.51	1/2	1,104.86	1/2	724.37	1/2	332.33	1/2		1/2	1/2		1/2		1/2
3/4	2,267.16	3/4	1,876.32	3/4	1,484.35	3/4	1,097.03	3/4	716.20	3/4	324.14	3/4		3/4	3/4		3/4		3/4
8	2,259.03	8	1,868.15	8	1,476.18	8	1,089.21	8	708.03	8	315.96	8	8	8	8		8		8
1/4	2,250.89	1/4	1,859.99	1/4	1,468.01	1/4	1,081.38	1/4	699.85	1/4	307.78	1/4		1/4	1/4		1/4		1/4
1/2	2,242.75	1/2	1,851.82	1/2	1,459.85	1/2	1,073.55	1/2	691.68	1/2	299.59	1/2		1/2	1/2		1/2		1/2
3/4	2,234.62	3/4	1,843.65	3/4	1,451.68	3/4	1,065.72	3/4	683.51	3/4	291.41	3/4		3/4	3/4		3/4		3/4
9	2,226.48	9	1,835.49	9	1,443.51	9	1,057.89	9	675.34	9	283.23	9	9	9	9		9		9
1/4	2,218.34	1/4	1,827.32	1/4	1,435.35	1/4	1,050.06	1/4	667.17	1/4	275.04	1/4		1/4	1/4		1/4		1/4
1/2	2,210.21	1/2	1,819.16	1/2	1,427.18	1/2	1,042.24	1/2	659.00	1/2	266.87	1/2		1/2	1/2		1/2		1/2
3/4	2,202.07	3/4	1,810.99	3/4	1,419.02	3/4	1,034.41	3/4	650.83	3/4	258.70	3/4		3/4	3/4		3/4		3/4
10	2,193.93	10	1,802.82	10	1,410.85	10	1,026.58	10	642.65	10	250.53	10	10	10	10		10		10
1/4	2,185.80	1/4	1,794.66	1/4	1,402.68	1/4	1,018.75	1/4	634.48	1/4	242.37	1/4		1/4	1/4		1/4		1/4
1/2	2,177.66	1/2	1,786.49	1/2	1,394.52	1/2	1,010.92	1/2	626.31	1/2	233.94	1/2		1/2	1/2		1/2		1/2
3/4	2,169.53	3/4	1,778.32	3/4	1,386.35	3/4	1,003.09	3/4	618.14	3/4	225.51	3/4		3/4	3/4		3/4		3/4
11	2,161.39	11	1,770.16	11	1,378.19	11	995.27	11	609.97	11	217.08	11	11	11	11		11		11
1/4	2,153.25	1/4	1,761.99	1/4	1,370.02	1/4	987.44	1/4	601.80	1/4	208.65	1/4		1/4	1/4		1/4		1/4
1/2	2,145.12	1/2	1,753.83	1/2	1,361.85	1/2	979.61	1/2	593.64	1/2	200.22	1/2		1/2	1/2		1/2		1/2
3/4	2,136.98	3/4	1,745.66	3/4	1,353.69	3/4	971.78	3/4	585.49	3/4	191.79	3/4		3/4	3/4		3/4		3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/29/2013 CL - SW
CALCULATED: 04/29/2013 CL
VERIFIED: 05/17/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2023

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



BARGE "KIRBY 30045B"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4	0	1/4
1/4	1/4	1/4	1/4	1/4	1/4	4,884.40	1/4	4,620.30	1/4	4,331.23	1/4	4,027.05	1/4	3,694.36	1/4	3,301.80	1/4	2,909.20	1/4
1/2	1/2	1/2	1/2	1/2	1/2	4,881.38	1/2	4,614.45	1/2	4,325.05	1/2	4,020.63	1/2	3,686.18	1/2	3,293.62	1/2	2,901.02	1/2
3/4	3/4	3/4	3/4	3/4	3/4	4,878.37	3/4	4,608.59	3/4	4,318.86	3/4	4,014.21	3/4	3,678.00	3/4	3,285.44	3/4	2,892.83	3/4
1	1	1	1	1	1	4,874.00	1	4,602.71	1	4,312.64	1	4,007.80	1	3,669.82	1	3,277.27	1	2,884.65	1
1/4	1/4	1/4	1/4	1/4	1/4	4,869.62	1/4	4,596.82	1/4	4,306.43	1/4	4,001.38	1/4	3,661.65	1/4	3,269.09	1/4	2,876.47	1/4
1/2	1/2	1/2	1/2	1/2	1/2	4,865.25	1/2	4,590.94	1/2	4,300.21	1/2	3,994.96	1/2	3,653.47	1/2	3,260.91	1/2	2,868.29	1/2
3/4	3/4	3/4	3/4	3/4	3/4	4,860.87	3/4	4,585.05	3/4	4,294.00	3/4	3,988.54	3/4	3,645.29	3/4	3,252.73	3/4	2,860.10	3/4
2	2	2	2	2	2	4,855.13	2	4,579.14	2	4,287.76	2	3,982.13	2	3,637.11	2	3,244.55	2	2,851.92	2
1/4	1/4	1/4	1/4	1/4	1/4	4,849.39	1/4	4,573.23	1/4	4,281.51	1/4	3,975.71	1/4	3,628.93	1/4	3,236.37	1/4	2,843.74	1/4
1/2	1/2	1/2	1/2	1/2	1/2	4,843.65	1/2	4,567.32	1/2	4,275.27	1/2	3,969.29	1/2	3,620.75	1/2	3,228.20	1/2	2,835.55	1/2
3/4	3/4	3/4	3/4	3/4	3/4	4,837.91	3/4	4,561.40	3/4	4,269.03	3/4	3,962.87	3/4	3,612.58	3/4	3,220.02	3/4	2,827.37	3/4
3	3	3	3	3	3	4,832.30	3	4,555.46	3	4,262.76	3	3,956.46	3	3,604.40	3	3,211.84	3	2,819.19	3
1/4	1/4	1/4	1/4	1/4	1/4	4,826.69	1/4	4,549.52	1/4	4,256.49	1/4	3,950.04	1/4	3,596.22	1/4	3,203.66	1/4	2,811.01	1/4
1/2	1/2	1/2	1/2	1/2	1/2	4,821.08	1/2	4,543.58	1/2	4,250.22	1/2	3,943.62	1/2	3,588.04	1/2	3,195.48	1/2	2,802.82	1/2
3/4	3/4	3/4	3/4	3/4	3/4	4,815.47	3/4	4,537.64	3/4	4,243.95	3/4	3,937.20	3/4	3,579.86	3/4	3,187.31	3/4	2,794.64	3/4
4	4	4	4	4	4	4,809.84	4	4,531.68	4	4,237.65	4	3,930.79	4	3,571.69	4	3,179.13	4	2,786.46	4
1/4	1/4	1/4	1/4	1/4	1/4	4,804.20	1/4	4,525.71	1/4	4,231.35	1/4	3,924.37	1/4	3,563.51	1/4	3,170.95	1/4	2,778.28	1/4
1/2	1/2	1/2	1/2	1/2	1/2	4,798.56	1/2	4,519.74	1/2	4,225.05	1/2	3,917.95	1/2	3,555.33	1/2	3,162.77	1/2	2,770.09	1/2
3/4	3/4	3/4	3/4	3/4	3/4	4,792.93	3/4	4,513.78	3/4	4,218.76	3/4	3,911.53	3/4	3,547.15	3/4	3,154.59	3/4	2,761.91	3/4
5	5	5	5	5	5	4,787.26	5	4,507.78	5	4,212.43	5	3,905.12	5	3,538.97	5	3,146.41	5	2,753.73	5
1/4	1/4	1/4	1/4	1/4	1/4	4,781.60	1/4	4,501.79	1/4	4,206.11	1/4	3,898.70	1/4	3,530.79	1/4	3,138.24	1/4	2,745.54	1/4
1/2	1/2	1/2	1/2	1/2	1/2	4,775.94	1/2	4,495.79	1/2	4,199.78	1/2	3,892.28	1/2	3,522.62	1/2	3,130.06	1/2	2,737.36	1/2
3/4	3/4	3/4	3/4	3/4	3/4	4,770.27	3/4	4,489.80	3/4	4,193.45	3/4	3,885.86	3/4	3,514.44	3/4	3,121.88	3/4	2,729.18	3/4
6	6	6	6	6	6	4,764.58	6	4,483.77	6	4,187.10	6	3,879.45	6	3,506.26	6	3,113.70	6	2,721.00	6
1/4	1/4	1/4	1/4	1/4	1/4	4,758.89	1/4	4,477.75	1/4	4,180.75	1/4	3,873.03	1/4	3,498.08	1/4	3,105.52	1/4	2,712.81	1/4
1/2	1/2	1/2	1/2	1/2	1/2	4,753.20	1/2	4,471.73	1/2	4,174.40	1/2	3,866.61	1/2	3,489.90	1/2	3,097.34	1/2	2,704.63	1/2
3/4	3/4	3/4	3/4	3/4	3/4	4,747.50	3/4	4,465.71	3/4	4,168.04	3/4	3,860.20	3/4	3,481.72	3/4	3,089.17	3/4	2,696.45	3/4
7	7	7	7	7	7	4,741.79	7	4,459.66	7	4,161.66	7	3,853.78	7	3,473.55	7	3,080.99	7	2,688.27	7
1/4	1/4	1/4	1/4	1/4	1/4	4,736.07	1/4	4,453.61	1/4	4,155.28	1/4	3,847.36	1/4	3,465.37	1/4	3,072.81	1/4	2,680.08	1/4
1/2	1/2	1/2	1/2	1/2	1/2	4,730.35	1/2	4,447.56	1/2	4,148.90	1/2	3,840.94	1/2	3,457.19	1/2	3,064.63	1/2	2,671.90	1/2
3/4	3/4	3/4	3/4	3/4	3/4	4,724.63	3/4	4,441.51	3/4	4,142.52	3/4	3,834.53	3/4	3,449.01	3/4	3,056.45	3/4	2,663.72	3/4
8	8	8	8	8	8	4,718.88	8	4,435.43	8	4,136.11	8	3,828.11	8	3,440.83	8	3,048.27	8	2,655.54	8
1/4	1/4	1/4	1/4	1/4	1/4	4,713.13	1/4	4,429.35	1/4	4,129.71	1/4	3,821.69	1/4	3,432.65	1/4	3,040.10	1/4	2,647.35	1/4
1/2	1/2	1/2	1/2	1/2	1/2	4,707.39	1/2	4,423.28	1/2	4,123.30	1/2	3,815.27	1/2	3,424.48	1/2	3,031.92	1/2	2,639.17	1/2
3/4	3/4	3/4	3/4	3/4	3/4	4,701.64	3/4	4,417.20	3/4	4,116.89	3/4	3,808.86	3/4	3,416.30	3/4	3,023.74	3/4	2,630.99	3/4
9	9	9	9	9	9	4,695.87	9	4,411.09	9	4,110.47	9	3,800.68	9	3,408.12	9	3,015.56	9	2,622.80	9
1/4	1/4	1/4	1/4	1/4	1/4	4,690.09	1/4	4,404.99	1/4	4,104.06	1/4	3,792.50	1/4	3,399.94	1/4	3,007.38	1/4	2,614.62	1/4
1/2	1/2	1/2	1/2	1/2	1/2	4,684.32	1/2	4,398.88	1/2	4,097.64	1/2	3,784.32	1/2	3,391.76	1/2	2,999.20	1/2	2,606.44	1/2
3/4	3/4	3/4	3/4	3/4	3/4	4,678.54	3/4	4,392.78	3/4	4,091.22	3/4	3,776.14	3/4	3,383.58	3/4	2,991.03	3/4	2,598.26	3/4
10	10	10	10	10	10	4,672.74	10	4,386.65	10	4,084.80	10	3,767.96	10	3,375.41	10	2,982.84	10	2,590.07	10
1/4	1/4	1/4	1/4	1/4	1/4	4,666.94	1/4	4,380.51	1/4	4,078.39	1/4	3,759.79	1/4	3,367.23	1/4	2,974.66	1/4	2,581.89	1/4
1/2	1/2	1/2	1/2	1/2	1/2	4,661.14	1/2	4,374.38	1/2	4,071.97	1/2	3,751.61	1/2	3,359.05	1/2	2,966.48	1/2	2,573.71	1/2
3/4	3/4	3/4	3/4	3/4	3/4	4,655.34	3/4	4,368.25	3/4	4,065.55	3/4	3,743.43	3/4	3,350.87	3/4	2,958.30	3/4	2,565.53	3/4
11	11	11	11	11	11	4,649.51	11	4,362.09	11	4,059.13	11	3,735.25	11	3,342.69	11	2,950.11	11	2,557.34	11
1/4	1/4	1/4	1/4	1/4	1/4	4,643.68	1/4	4,355.93	1/4	4,052.72	1/4	3,727.07	1/4	3,334.51	1/4	2,941.93	1/4	2,549.16	1/4
1/2	1/2	1/2	1/2	1/2	1/2	4,637.85	1/2	4,349.77	1/2	4,046.30	1/2	3,718.89	1/2	3,326.34	1/2	2,933.75	1/2	2,540.98	1/2
3/4	3/4	3/4	3/4	3/4	3/4	4,632.02	3/4	4,343.61	3/4	4,039.88	3/4	3,710.72	3/4	3,318.16	3/4	2,925.56	3/4	2,532.79	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.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 12'-09" OFF CENTERLINE AND 59'-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 30045B"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-05 3/4"

	10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.
0	2,524.61	0	2,131.84	0	1,739.38	0	1,346.57	0	953.94	0	561.24	0	167.34	0		0		0	
1/4	2,516.43	1/4	2,123.66	1/4	1,731.19	1/4	1,338.39	1/4	945.76	1/4	553.08	1/4	159.76	1/4	1/4		1/4		1/4
1/2	2,508.25	1/2	2,115.48	1/2	1,723.01	1/2	1,330.21	1/2	937.58	1/2	544.91	1/2	152.18	1/2	1/2		1/2		1/2
3/4	2,500.06	3/4	2,107.29	3/4	1,714.83	3/4	1,322.02	3/4	929.40	3/4	536.75	3/4	144.60	3/4	3/4		3/4		3/4
1	2,491.88	1	2,099.11	1	1,706.64	1	1,313.84	1	921.21	1	528.58	1	138.19	1	1		1		1
1/4	2,483.70	1/4	2,090.93	1/4	1,698.46	1/4	1,305.66	1/4	913.03	1/4	520.42	1/4	131.79	1/4	1/4		1/4		1/4
1/2	2,475.52	1/2	2,082.75	1/2	1,690.28	1/2	1,297.47	1/2	904.85	1/2	512.25	1/2	125.38	1/2	1/2		1/2		1/2
3/4	2,467.33	3/4	2,074.56	3/4	1,682.09	3/4	1,289.29	3/4	896.66	3/4	504.09	3/4	118.98	3/4	3/4		3/4		3/4
2	2,459.15	2	2,066.38	2	1,673.91	2	1,281.11	2	888.48	2	495.92	2	113.76	2	2		2		2
1/4	2,450.97	1/4	2,058.20	1/4	1,665.73	1/4	1,272.92	1/4	880.30	1/4	487.76	1/4	108.54	1/4	1/4		1/4		1/4
1/2	2,442.78	1/2	2,050.02	1/2	1,657.54	1/2	1,264.74	1/2	872.11	1/2	479.60	1/2	103.32	1/2	1/2		1/2		1/2
3/4	2,434.60	3/4	2,041.83	3/4	1,649.36	3/4	1,256.56	3/4	863.93	3/4	471.43	3/4	98.10	3/4	3/4		3/4		3/4
3	2,426.42	3	2,033.65	3	1,641.18	3	1,248.37	3	855.75	3	463.25	3	94.07	3	3		3		3
1/4	2,418.24	1/4	2,025.47	1/4	1,632.99	1/4	1,240.19	1/4	847.56	1/4	455.06	1/4	90.04	1/4	1/4		1/4		1/4
1/2	2,410.05	1/2	2,017.28	1/2	1,624.81	1/2	1,232.01	1/2	839.38	1/2	446.88	1/2	86.01	1/2	1/2		1/2		1/2
3/4	2,401.87	3/4	2,009.10	3/4	1,616.63	3/4	1,223.82	3/4	831.20	3/4	438.70	3/4	81.98	3/4	3/4		3/4		3/4
4	2,393.69	4	2,000.92	4	1,608.44	4	1,215.65	4	823.01	4	430.51	4	79.39	4	4		4		4
1/4	2,385.51	1/4	1,992.74	1/4	1,600.26	1/4	1,207.47	1/4	814.83	1/4	422.33	1/4	76.81	1/4	1/4		1/4		1/4
1/2	2,377.32	1/2	1,984.55	1/2	1,592.08	1/2	1,199.29	1/2	806.65	1/2	414.15	1/2	74.22	1/2	1/2		1/2		1/2
3/4	2,369.14	3/4	1,976.37	3/4	1,583.89	3/4	1,191.11	3/4	798.46	3/4	405.96	3/4	71.64	3/4	3/4		3/4		3/4
5	2,360.96	5	1,968.20	5	1,575.71	5	1,182.93	5	790.28	5	397.78	5	70.27	5	5		5		5
1/4	2,352.78	1/4	1,960.03	1/4	1,567.53	1/4	1,174.76	1/4	782.10	1/4	389.60	1/4	68.91	1/4	1/4		1/4		1/4
1/2	2,344.59	1/2	1,951.85	1/2	1,559.34	1/2	1,166.58	1/2	773.91	1/2	381.42	1/2	67.54	1/2	1/2		1/2		1/2
3/4	2,336.41	3/4	1,943.68	3/4	1,551.16	3/4	1,158.40	3/4	765.73	3/4	373.23	3/4	66.18	3/4	3/4		3/4		3/4
6	2,328.23	6	1,935.52	6	1,542.98	6	1,150.22	6	757.55	6	365.05	6		6	6		6		6
1/4	2,320.04	1/4	1,927.35	1/4	1,534.79	1/4	1,142.04	1/4	749.36	1/4	356.87	1/4		1/4	1/4		1/4		1/4
1/2	2,311.86	1/2	1,919.19	1/2	1,526.61	1/2	1,133.87	1/2	741.18	1/2	348.68	1/2		1/2	1/2		1/2		1/2
3/4	2,303.68	3/4	1,911.03	3/4	1,518.43	3/4	1,125.69	3/4	733.00	3/4	340.50	3/4		3/4	3/4		3/4		3/4
7	2,295.50	7	1,902.86	7	1,510.24	7	1,117.51	7	724.82	7	332.32	7		7	7		7		7
1/4	2,287.31	1/4	1,894.70	1/4	1,502.06	1/4	1,109.33	1/4	716.63	1/4	324.13	1/4		1/4	1/4		1/4		1/4
1/2	2,279.13	1/2	1,886.54	1/2	1,493.88	1/2	1,101.15	1/2	708.45	1/2	315.95	1/2		1/2	1/2		1/2		1/2
3/4	2,270.95	3/4	1,878.38	3/4	1,485.69	3/4	1,092.98	3/4	700.27	3/4	307.77	3/4		3/4	3/4		3/4		3/4
8	2,262.77	8	1,870.21	8	1,477.51	8	1,084.80	8	692.08	8	299.58	8		8	8		8		8
1/4	2,254.58	1/4	1,862.05	1/4	1,469.33	1/4	1,076.62	1/4	683.90	1/4	291.40	1/4		1/4	1/4		1/4		1/4
1/2	2,246.40	1/2	1,853.89	1/2	1,461.14	1/2	1,068.44	1/2	675.72	1/2	283.22	1/2		1/2	1/2		1/2		1/2
3/4	2,238.22	3/4	1,845.72	3/4	1,452.96	3/4	1,060.26	3/4	667.53	3/4	275.03	3/4		3/4	3/4		3/4		3/4
9	2,230.03	9	1,837.55	9	1,444.78	9	1,052.09	9	659.35	9	266.86	9		9	9		9		9
1/4	2,221.85	1/4	1,829.38	1/4	1,436.59	1/4	1,043.91	1/4	651.17	1/4	258.69	1/4		1/4	1/4		1/4		1/4
1/2	2,213.67	1/2	1,821.20	1/2	1,428.41	1/2	1,035.73	1/2	642.98	1/2	250.52	1/2		1/2	1/2		1/2		1/2
3/4	2,205.49	3/4	1,813.03	3/4	1,420.23	3/4	1,027.55	3/4	634.80	3/4	242.36	3/4		3/4	3/4		3/4		3/4
10	2,197.30	10	1,804.85	10	1,412.04	10	1,019.37	10	626.62	10	233.93	10		10	10		10		10
1/4	2,189.12	1/4	1,796.66	1/4	1,403.86	1/4	1,011.20	1/4	618.43	1/4	225.50	1/4		1/4	1/4		1/4		1/4
1/2	2,180.94	1/2	1,788.48	1/2	1,395.68	1/2	1,003.02	1/2	610.25	1/2	217.07	1/2		1/2	1/2		1/2		1/2
3/4	2,172.76	3/4	1,780.30	3/4	1,387.49	3/4	994.84	3/4	602.07	3/4	208.64	3/4		3/4	3/4		3/4		3/4
11	2,164.57	11	1,772.11	11	1,379.31	11	986.66	11	593.90	11	200.21	11		11	11		11		11
1/4	2,156.39	1/4	1,763.93	1/4	1,371.13	1/4	978.48	1/4	585.74	1/4	191.78	1/4		1/4	1/4		1/4		1/4
1/2	2,148.21	1/2	1,755.74	1/2	1,362.94	1/2	970.31	1/2	577.57	1/2	183.36	1/2		1/2	1/2		1/2		1/2
3/4	2,140.03	3/4	1,747.56	3/4	1,354.76	3/4	962.13	3/4	569.41	3/4	174.93	3/4		3/4	3/4		3/4		3/4

STRAPPED: 04/29/2013 CL - SW
CALCULATED: 04/29/2013 CL
VERIFIED: 05/17/2023 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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