



BARGE "KIRBY 29068"

ULLAGE TRIM TABLE
FORMERLY "HBC 301"

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-1/2	00-1/2
1 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-1/2	00-1/2
2 PORT	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2
2 STBD	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-3/8	00-3/8	- 00-1/2	00-1/2
3 PORT	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-1/8	- 02-1/8	02-3/4	- 02-3/4	03-2/8	- 03-2/8
3 STBD	00-1/2	- 00-1/2	01-1/8	- 01-1/8	01-5/8	- 01-5/8	02-1/8	- 02-1/8	02-3/4	- 02-3/4	03-2/8	- 03-2/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

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

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

LENGTH BETWEEN DRAFT MARKS: 253'-03"

August 25, 2021

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29068"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: HBC 301

GAUGE HEIGHT 17'-02 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	5,142.64	0	4,782.57	0	4,420.71	0	4,058.47	0	3,696.23	0	3,333.99	0	2,971.73
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,135.20	1/4	4,775.05	1/4	4,413.17	1/4	4,050.92	1/4	3,688.68	1/4	3,326.44	1/4	2,964.18
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,127.77	1/2	4,767.53	1/2	4,405.62	1/2	4,043.38	1/2	3,681.14	1/2	3,318.89	1/2	2,956.63
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,120.33	3/4	4,760.01	3/4	4,398.07	3/4	4,035.83	3/4	3,673.59	3/4	3,311.35	3/4	2,949.07
1		1		1		1	5,112.89	1	4,752.50	1	4,390.53	1	4,028.28	1	3,666.04	1	3,303.80	1	2,941.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,105.46	1/4	4,744.98	1/4	4,382.98	1/4	4,020.74	1/4	3,658.50	1/4	3,296.25	1/4	2,933.97
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,098.02	1/2	4,737.46	1/2	4,375.43	1/2	4,013.19	1/2	3,650.95	1/2	3,288.71	1/2	2,926.42
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,090.58	3/4	4,729.94	3/4	4,367.89	3/4	4,005.64	3/4	3,643.40	3/4	3,281.16	3/4	2,918.87
2		2		2		2	5,083.15	2	4,722.43	2	4,360.34	2	3,998.10	2	3,635.86	2	3,273.61	2	2,911.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,075.71	1/4	4,714.91	1/4	4,352.79	1/4	3,990.55	1/4	3,628.31	1/4	3,266.07	1/4	2,903.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,068.20	1/2	4,707.39	1/2	4,345.24	1/2	3,983.00	1/2	3,620.76	1/2	3,258.52	1/2	2,896.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,060.70	3/4	4,699.87	3/4	4,337.70	3/4	3,975.46	3/4	3,613.22	3/4	3,250.97	3/4	2,888.66
3		3		3		3	5,053.19	3	4,692.35	3	4,330.15	3	3,967.91	3	3,605.67	3	3,243.43	3	2,881.10
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,045.68	1/4	4,684.84	1/4	4,322.60	1/4	3,960.36	1/4	3,598.12	1/4	3,235.88	1/4	2,873.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,038.16	1/2	4,677.29	1/2	4,315.06	1/2	3,952.82	1/2	3,590.57	1/2	3,228.33	1/2	2,866.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,030.65	3/4	4,669.75	3/4	4,307.51	3/4	3,945.27	3/4	3,583.03	3/4	3,220.79	3/4	2,858.45
4		4		4		4	5,023.13	4	4,662.20	4	4,299.96	4	3,937.72	4	3,575.48	4	3,213.24	4	2,850.89
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,015.61	1/4	4,654.66	1/4	4,292.42	1/4	3,930.18	1/4	3,567.93	1/4	3,205.69	1/4	2,843.34
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,008.09	1/2	4,647.11	1/2	4,284.87	1/2	3,922.63	1/2	3,560.39	1/2	3,198.15	1/2	2,835.79
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,000.58	3/4	4,639.57	3/4	4,277.32	3/4	3,915.08	3/4	3,552.84	3/4	3,190.60	3/4	2,828.24
5		5		5		5	4,993.06	5	4,632.02	5	4,269.78	5	3,907.54	5	3,545.29	5	3,183.05	5	2,820.69
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,985.54	1/4	4,624.47	1/4	4,262.23	1/4	3,899.99	1/4	3,537.75	1/4	3,175.51	1/4	2,813.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,978.02	1/2	4,616.93	1/2	4,254.68	1/2	3,892.44	1/2	3,530.20	1/2	3,167.96	1/2	2,805.58
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,304.14	3/4	4,970.51	3/4	4,609.38	3/4	4,247.14	3/4	3,884.90	3/4	3,522.65	3/4	3,160.41
6		6		6		6	4,962.99	6	4,601.83	6	4,239.59	6	3,877.35	6	3,515.11	6	3,152.87	6	2,790.47
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,297.07	1/4	4,955.47	1/4	4,594.29	1/4	4,232.04	1/4	3,869.80	1/4	3,507.56	1/4	3,145.32
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,292.28	1/2	4,947.95	1/2	4,586.74	1/2	4,224.50	1/2	3,862.26	1/2	3,500.01	1/2	3,137.77
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,287.49	3/4	4,940.44	3/4	4,579.19	3/4	4,216.95	3/4	3,854.71	3/4	3,492.47	3/4	3,130.23
7		7		7		7	5,282.70	7	4,932.92	7	4,571.65	7	4,209.40	7	3,847.16	7	3,484.92	7	3,122.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,277.90	1/4	4,925.40	1/4	4,564.10	1/4	4,201.86	1/4	3,839.62	1/4	3,477.37	1/4	3,115.13
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,271.85	1/2	4,917.88	1/2	4,556.55	1/2	4,194.31	1/2	3,832.07	1/2	3,469.83	1/2	3,107.59
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,265.80	3/4	4,910.37	3/4	4,549.01	3/4	4,186.76	3/4	3,824.52	3/4	3,462.28	3/4	3,100.04
8		8		8		8	5,259.74	8	4,902.85	8	4,541.46	8	4,179.22	8	3,816.98	8	3,454.73	8	3,092.49
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,253.69	1/4	4,895.33	1/4	4,533.91	1/4	4,171.67	1/4	3,809.43	1/4	3,447.19	1/4	3,084.95
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,246.38	1/2	4,887.81	1/2	4,526.37	1/2	4,164.12	1/2	3,801.88	1/2	3,439.64	1/2	3,077.40
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,239.07	3/4	4,880.29	3/4	4,518.82	3/4	4,156.58	3/4	3,794.34	3/4	3,432.09	3/4	3,069.85
9		9		9		9	5,231.76	9	4,872.78	9	4,511.27	9	4,149.03	9	3,786.79	9	3,424.55	9	3,062.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,224.45	1/4	4,865.26	1/4	4,503.73	1/4	4,141.48	1/4	3,779.24	1/4	3,417.00	1/4	3,054.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,217.01	1/2	4,857.74	1/2	4,496.18	1/2	4,133.94	1/2	3,771.70	1/2	3,409.45	1/2	3,047.21
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,209.57	3/4	4,850.22	3/4	4,488.63	3/4	4,126.39	3/4	3,764.15	3/4	3,401.91	3/4	3,039.67
10		10		10		10	5,202.13	10	4,842.71	10	4,481.09	10	4,118.84	10	3,756.60	10	3,394.36	10	3,032.12
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,194.69	1/4	4,835.19	1/4	4,473.54	1/4	4,111.30	1/4	3,749.06	1/4	3,386.81	1/4	3,024.57
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,187.26	1/2	4,827.67	1/2	4,465.99	1/2	4,103.75	1/2	3,741.51	1/2	3,379.27	1/2	3,017.03
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,179.82	3/4	4,820.15	3/4	4,458.45	3/4	4,096.20	3/4	3,733.96	3/4	3,371.72	3/4	3,009.48
11		11		11		11	5,172.38	11	4,812.64	11	4,450.90	11	4,088.66	11	3,726.42	11	3,364.17	11	3,001.93
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,164.95	1/4	4,805.12	1/4	4,443.35	1/4	4,081.11	1/4	3,718.87	1/4	3,356.63	1/4	2,994.39
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,157.51	1/2	4,797.60	1/2	4,435.81	1/2	4,073.56	1/2	3,711.32	1/2	3,349.08	1/2	2,986.83
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,150.07	3/4	4,790.08	3/4	4,428.26	3/4	4,066.02	3/4	3,703.78	3/4	3,341.53	3/4	2,979.28

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 41'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "KIRBY 29068"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: HBC 301

GAUGE HEIGHT 17'-02 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,609.19	0	2,246.64	0	1,884.09	0	1,521.54	0	1,159.02	0	796.90	0	434.36	0	73.66	0		0	
1/4	2,601.64	1/4	2,239.09	1/4	1,876.54	1/4	1,513.99	1/4	1,151.48	1/4	789.35	1/4	426.81	1/4	66.66	1/4		1/4	
1/2	2,594.08	1/2	2,231.53	1/2	1,868.99	1/2	1,506.44	1/2	1,143.94	1/2	781.80	1/2	419.26	1/2	60.84	1/2		1/2	
3/4	2,586.53	3/4	2,223.98	3/4	1,861.43	3/4	1,498.88	3/4	1,136.40	3/4	774.25	3/4	411.71	3/4	55.02	3/4		3/4	
1	2,578.98	1	2,216.43	1	1,853.88	1	1,491.33	1	1,128.86	1	766.69	1	404.15	1	49.19	1		1	
1/4	2,571.42	1/4	2,208.87	1/4	1,846.33	1/4	1,483.78	1/4	1,121.31	1/4	759.14	1/4	396.60	1/4	43.37	1/4		1/4	
1/2	2,563.87	1/2	2,201.32	1/2	1,838.77	1/2	1,476.22	1/2	1,113.77	1/2	751.59	1/2	389.05	1/2	38.81	1/2		1/2	
3/4	2,556.32	3/4	2,193.77	3/4	1,831.22	3/4	1,468.67	3/4	1,106.23	3/4	744.03	3/4	381.49	3/4	34.25	3/4		3/4	
2	2,548.76	2	2,186.22	2	1,823.67	2	1,461.12	2	1,098.69	2	736.48	2	373.94	2	29.68	2		2	
1/4	2,541.21	1/4	2,178.66	1/4	1,816.11	1/4	1,453.56	1/4	1,091.15	1/4	728.93	1/4	366.39	1/4	25.12	1/4		1/4	
1/2	2,533.66	1/2	2,171.11	1/2	1,808.56	1/2	1,446.01	1/2	1,083.60	1/2	721.37	1/2	358.84	1/2		1/2		1/2	
3/4	2,526.11	3/4	2,163.56	3/4	1,801.01	3/4	1,438.46	3/4	1,076.06	3/4	713.82	3/4	351.28	3/4		3/4		3/4	
3	2,518.55	3	2,156.00	3	1,793.45	3	1,430.91	3	1,068.52	3	706.27	3	343.73	3		3		3	
1/4	2,511.00	1/4	2,148.45	1/4	1,785.90	1/4	1,423.35	1/4	1,060.98	1/4	698.72	1/4	336.18	1/4		1/4		1/4	
1/2	2,503.45	1/2	2,140.90	1/2	1,778.35	1/2	1,415.80	1/2	1,053.44	1/2	691.16	1/2	328.62	1/2		1/2		1/2	
3/4	2,495.89	3/4	2,133.34	3/4	1,770.80	3/4	1,408.25	3/4	1,045.90	3/4	683.61	3/4	321.07	3/4		3/4		3/4	
4	2,488.34	4	2,125.79	4	1,763.24	4	1,400.69	4	1,038.35	4	676.06	4	313.52	4		4		4	
1/4	2,480.79	1/4	2,118.24	1/4	1,755.69	1/4	1,393.14	1/4	1,030.81	1/4	668.50	1/4	305.97	1/4		1/4		1/4	
1/2	2,473.23	1/2	2,110.68	1/2	1,748.14	1/2	1,385.59	1/2	1,023.27	1/2	660.95	1/2	298.41	1/2		1/2		1/2	
3/4	2,465.68	3/4	2,103.13	3/4	1,740.58	3/4	1,378.03	3/4	1,015.73	3/4	653.40	3/4	290.86	3/4		3/4		3/4	
5	2,458.13	5	2,095.58	5	1,733.03	5	1,370.48	5	1,008.19	5	645.85	5	283.31	5		5		5	
1/4	2,450.57	1/4	2,088.03	1/4	1,725.48	1/4	1,362.93	1/4	1,000.64	1/4	638.29	1/4	275.75	1/4		1/4		1/4	
1/2	2,443.02	1/2	2,080.47	1/2	1,717.92	1/2	1,355.37	1/2	993.10	1/2	630.74	1/2	268.20	1/2		1/2		1/2	
3/4	2,435.47	3/4	2,072.92	3/4	1,710.37	3/4	1,347.82	3/4	985.56	3/4	623.19	3/4	260.65	3/4		3/4		3/4	
6	2,427.91	6	2,065.37	6	1,702.82	6	1,340.27	6	978.02	6	615.63	6	253.09	6		6		6	
1/4	2,420.36	1/4	2,057.81	1/4	1,695.26	1/4	1,332.72	1/4	970.48	1/4	608.08	1/4	245.54	1/4		1/4		1/4	
1/2	2,412.81	1/2	2,050.26	1/2	1,687.71	1/2	1,325.16	1/2	962.94	1/2	600.53	1/2	237.99	1/2		1/2		1/2	
3/4	2,405.26	3/4	2,042.71	3/4	1,680.16	3/4	1,317.61	3/4	955.39	3/4	592.98	3/4	230.44	3/4		3/4		3/4	
7	2,397.70	7	2,035.15	7	1,672.60	7	1,310.06	7	947.85	7	585.42	7	222.88	7		7		7	
1/4	2,390.15	1/4	2,027.60	1/4	1,665.05	1/4	1,302.50	1/4	940.31	1/4	577.87	1/4	215.33	1/4		1/4		1/4	
1/2	2,382.60	1/2	2,020.05	1/2	1,657.50	1/2	1,294.95	1/2	932.77	1/2	570.32	1/2	207.78	1/2		1/2		1/2	
3/4	2,375.04	3/4	2,012.49	3/4	1,649.95	3/4	1,287.40	3/4	925.23	3/4	562.76	3/4	200.22	3/4		3/4		3/4	
8	2,367.49	8	2,004.94	8	1,642.39	8	1,279.84	8	917.68	8	555.21	8	192.67	8		8		8	
1/4	2,359.94	1/4	1,997.39	1/4	1,634.84	1/4	1,272.29	1/4	910.14	1/4	547.66	1/4	185.12	1/4		1/4		1/4	
1/2	2,352.38	1/2	1,989.83	1/2	1,627.29	1/2	1,264.74	1/2	902.60	1/2	540.11	1/2	177.57	1/2		1/2		1/2	
3/4	2,344.83	3/4	1,982.28	3/4	1,619.73	3/4	1,257.18	3/4	895.06	3/4	532.55	3/4	170.01	3/4		3/4		3/4	
9	2,337.28	9	1,974.73	9	1,612.18	9	1,249.63	9	887.52	9	525.00	9	162.46	9		9		9	
1/4	2,329.72	1/4	1,967.18	1/4	1,604.63	1/4	1,242.08	1/4	879.98	1/4	517.45	1/4	154.91	1/4		1/4		1/4	
1/2	2,322.17	1/2	1,959.62	1/2	1,597.07	1/2	1,234.52	1/2	872.43	1/2	509.89	1/2	147.36	1/2		1/2		1/2	
3/4	2,314.62	3/4	1,952.07	3/4	1,589.52	3/4	1,226.97	3/4	864.87	3/4	502.34	3/4	139.82	3/4		3/4		3/4	
10	2,307.07	10	1,944.52	10	1,581.97	10	1,219.42	10	857.32	10	494.79	10	132.27	10		10		10	
1/4	2,299.51	1/4	1,936.96	1/4	1,574.41	1/4	1,211.87	1/4	849.77	1/4	487.23	1/4	124.73	1/4		1/4		1/4	
1/2	2,291.96	1/2	1,929.41	1/2	1,566.86	1/2	1,204.31	1/2	842.22	1/2	479.68	1/2	117.21	1/2		1/2		1/2	
3/4	2,284.41	3/4	1,921.86	3/4	1,559.31	3/4	1,196.76	3/4	834.67	3/4	472.13	3/4	109.69	3/4		3/4		3/4	
11	2,276.85	11	1,914.30	11	1,551.76	11	1,189.21	11	827.12	11	464.58	11	102.17	11		11		11	
1/4	2,269.30	1/4	1,906.75	1/4	1,544.20	1/4	1,181.65	1/4	819.56	1/4	457.02	1/4	94.65	1/4		1/4		1/4	
1/2	2,261.75	1/2	1,899.20	1/2	1,536.65	1/2	1,174.11	1/2	812.01	1/2	449.47	1/2	87.65	1/2		1/2		1/2	
3/4	2,254.19	3/4	1,891.64	3/4	1,529.10	3/4	1,166.57	3/4	804.46	3/4	441.92	3/4	80.65	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/13/2011 PMA
RECALCULATED: 08/25/2021 PMA
NAME CHANGE: 08/25/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2021

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



BARGE "KIRBY 29068"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: HBC 301

GAUGE HEIGHT 17'-02 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.		
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
0		0		0		0	5,155.61	0	4,795.70	0	4,433.91	0	4,071.66	0	3,709.42	0	3,347.18	0	2,984.93	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,148.17	1/4	4,788.18	1/4	4,426.36	1/4	4,064.12	1/4	3,701.88	1/4	3,339.63	1/4	2,977.38	
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,140.74	1/2	4,780.67	1/2	4,418.81	1/2	4,056.57	1/2	3,694.33	1/2	3,332.09	1/2	2,969.83	
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,133.30	3/4	4,773.15	3/4	4,411.27	3/4	4,049.02	3/4	3,686.78	3/4	3,324.54	3/4	2,962.28	
1		1		1		1	5,125.87	1	4,765.63	1	4,403.72	1	4,041.48	1	3,679.24	1	3,316.99	1	2,954.73	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,118.43	1/4	4,758.11	1/4	4,396.17	1/4	4,033.93	1/4	3,671.69	1/4	3,309.45	1/4	2,947.17	
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,110.99	1/2	4,750.60	1/2	4,388.63	1/2	4,026.38	1/2	3,664.14	1/2	3,301.90	1/2	2,939.62	
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,103.56	3/4	4,743.08	3/4	4,381.08	3/4	4,018.84	3/4	3,656.60	3/4	3,294.35	3/4	2,932.07	
2		2		2		2	5,096.12	2	4,735.56	2	4,373.53	2	4,011.29	2	3,649.05	2	3,286.81	2	2,924.52	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,088.68	1/4	4,728.04	1/4	4,365.99	1/4	4,003.74	1/4	3,641.50	1/4	3,279.26	1/4	2,916.97	
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,081.25	1/2	4,720.53	1/2	4,358.44	1/2	3,996.20	1/2	3,633.96	1/2	3,271.71	1/2	2,909.41	
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,073.81	3/4	4,713.01	3/4	4,350.89	3/4	3,988.65	3/4	3,626.41	3/4	3,264.17	3/4	2,901.86	
3		3		3		3	5,066.30	3	4,705.49	3	4,343.34	3	3,981.10	3	3,618.86	3	3,256.62	3	2,894.31	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,058.80	1/4	4,697.97	1/4	4,335.80	1/4	3,973.56	1/4	3,611.32	1/4	3,249.07	1/4	2,886.76	
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,051.29	1/2	4,690.45	1/2	4,328.25	1/2	3,966.01	1/2	3,603.77	1/2	3,241.53	1/2	2,879.20	
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,043.78	3/4	4,682.94	3/4	4,320.70	3/4	3,958.46	3/4	3,596.22	3/4	3,233.98	3/4	2,871.65	
4		4		4		4	5,036.26	4	4,675.39	4	4,313.16	4	3,950.92	4	3,588.67	4	3,226.43	4	2,864.10	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,028.75	1/4	4,667.85	1/4	4,305.61	1/4	3,943.37	1/4	3,581.13	1/4	3,218.89	1/4	2,856.55	
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,021.23	1/2	4,660.30	1/2	4,298.06	1/2	3,935.82	1/2	3,573.58	1/2	3,211.34	1/2	2,848.99	
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,013.71	3/4	4,652.76	3/4	4,290.52	3/4	3,928.28	3/4	3,566.03	3/4	3,203.79	3/4	2,841.44	
5		5		5		5	5,006.19	5	4,645.21	5	4,282.97	5	3,920.73	5	3,558.49	5	3,196.25	5	2,833.89	
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,998.68	1/4	4,637.67	1/4	4,275.42	1/4	3,913.18	1/4	3,550.94	1/4	3,188.70	1/4	2,826.34	
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,991.16	1/2	4,630.12	1/2	4,267.88	1/2	3,905.64	1/2	3,543.39	1/2	3,181.15	1/2	2,818.79	
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,983.64	3/4	4,622.57	3/4	4,260.33	3/4	3,898.09	3/4	3,535.85	3/4	3,173.61	3/4	2,811.23	
6		6		6		6	4,976.12	6	4,615.03	6	4,252.78	6	3,890.54	6	3,528.30	6	3,166.06	6	2,803.68	
1/4	1/4	1/4	5,302.24	1/4	4,968.61	1/4	4,607.48	1/4	4,245.24	1/4	3,883.00	1/4	3,520.75	1/4	3,158.51	1/4	2,796.12			
1/2	1/2	1/2	5,298.71	1/2	4,961.09	1/2	4,599.93	1/2	4,237.69	1/2	3,875.45	1/2	3,513.21	1/2	3,150.97	1/2	2,788.57			
3/4	3/4	3/4	5,295.17	3/4	4,953.57	3/4	4,592.39	3/4	4,230.14	3/4	3,867.90	3/4	3,505.66	3/4	3,143.42	3/4	2,781.01			
7		7	5,290.38	7	4,946.05	7	4,584.84	7	4,222.60	7	3,860.36	7	3,498.11	7	3,135.87	7	2,773.46			
1/4	1/4	1/4	5,285.59	1/4	4,938.54	1/4	4,577.29	1/4	4,215.05	1/4	3,852.81	1/4	3,490.57	1/4	3,128.33	1/4	2,765.90			
1/2	1/2	1/2	5,280.80	1/2	4,931.02	1/2	4,569.75	1/2	4,207.50	1/2	3,845.26	1/2	3,483.02	1/2	3,120.78	1/2	2,758.35			
3/4	3/4	3/4	5,276.00	3/4	4,923.50	3/4	4,562.20	3/4	4,199.96	3/4	3,837.72	3/4	3,475.47	3/4	3,113.23	3/4	2,750.80			
8		8	5,269.95	8	4,915.98	8	4,554.65	8	4,192.41	8	3,830.17	8	3,467.93	8	3,105.69	8	2,743.24			
1/4	1/4	1/4	5,263.90	1/4	4,908.47	1/4	4,547.11	1/4	4,184.86	1/4	3,822.62	1/4	3,460.38	1/4	3,098.14	1/4	2,735.69			
1/2	1/2	1/2	5,257.84	1/2	4,900.95	1/2	4,539.56	1/2	4,177.32	1/2	3,815.08	1/2	3,452.83	1/2	3,090.59	1/2	2,728.14			
3/4	3/4	3/4	5,251.79	3/4	4,893.43	3/4	4,532.01	3/4	4,169.77	3/4	3,807.53	3/4	3,445.29	3/4	3,083.05	3/4	2,720.59			
9		9	5,244.48	9	4,885.91	9	4,524.47	9	4,162.22	9	3,799.98	9	3,437.74	9	3,075.50	9	2,713.03			
1/4	1/4	1/4	5,237.17	1/4	4,878.39	1/4	4,516.92	1/4	4,154.68	1/4	3,792.44	1/4	3,430.19	1/4	3,067.95	1/4	2,705.48			
1/2	1/2	1/2	5,229.86	1/2	4,870.88	1/2	4,509.37	1/2	4,147.13	1/2	3,784.89	1/2	3,422.65	1/2	3,060.41	1/2	2,697.93			
3/4	3/4	3/4	5,222.55	3/4	4,863.36	3/4	4,501.83	3/4	4,139.58	3/4	3,777.34	3/4	3,415.10	3/4	3,052.86	3/4	2,690.37			
10		10	5,215.11	10	4,855.84	10	4,494.28	10	4,132.04	10	3,769.80	10	3,407.55	10	3,045.31	10	2,682.82			
1/4	1/4	1/4	5,207.67	1/4	4,848.32	1/4	4,486.73	1/4	4,124.49	1/4	3,762.25	1/4	3,400.01	1/4	3,037.77	1/4	2,675.27			
1/2	1/2	1/2	5,200.23	1/2	4,840.81	1/2	4,479.19	1/2	4,116.94	1/2	3,754.70	1/2	3,392.46	1/2	3,030.22	1/2	2,667.71			
3/4	3/4	3/4	5,192.79	3/4	4,833.29	3/4	4,471.64	3/4	4,109.40	3/4	3,747.16	3/4	3,384.91	3/4	3,022.67	3/4	2,660.16			
11		11	5,185.36	11	4,825.77	11	4,464.09	11	4,101.85	11	3,739.61	11	3,377.37	11	3,015.13	11	2,652.61			
1/4	1/4	1/4	5,177.92	1/4	4,818.25	1/4	4,456.55	1/4	4,094.30	1/4	3,732.06	1/4	3,369.82	1/4	3,007.58	1/4	2,645.05			
1/2	1/2	1/2	5,170.48	1/2	4,810.74	1/2	4,449.00	1/2	4,086.76	1/2	3,724.52	1/2	3,362.27	1/2	3,000.03	1/2	2,637.50			
3/4	3/4	3/4	5,163.05	3/4	4,803.22	3/4	4,441.45	3/4	4,079.21	3/4	3,716.97	3/4	3,354.73	3/4	2,992.49	3/4	2,629.95			

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 41'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29068"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: HBC 301

GAUGE HEIGHT 17'-02 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,622.40	0	2,259.85	0	1,897.30	0	1,534.75	0	1,172.24	0	811.99	0	449.47	0	87.64	0		0	
1/4	2,614.84	1/4	2,252.29	1/4	1,889.74	1/4	1,527.20	1/4	1,164.74	1/4	804.44	1/4	441.91	1/4	80.65	1/4		1/4	
1/2	2,607.29	1/2	2,244.74	1/2	1,882.19	1/2	1,519.64	1/2	1,157.23	1/2	796.89	1/2	434.36	1/2	73.65	1/2		1/2	
3/4	2,599.74	3/4	2,237.19	3/4	1,874.64	3/4	1,512.09	3/4	1,149.72	3/4	789.35	3/4	426.81	3/4	66.65	3/4		3/4	
1	2,592.18	1	2,229.63	1	1,867.09	1	1,504.54	1	1,142.22	1	781.79	1	419.25	1	60.83	1		1	
1/4	2,584.63	1/4	2,222.08	1/4	1,859.53	1/4	1,496.98	1/4	1,134.71	1/4	774.24	1/4	411.70	1/4	55.01	1/4		1/4	
1/2	2,577.08	1/2	2,214.53	1/2	1,851.98	1/2	1,489.43	1/2	1,127.21	1/2	766.69	1/2	404.15	1/2	49.19	1/2		1/2	
3/4	2,569.52	3/4	2,206.97	3/4	1,844.43	3/4	1,481.88	3/4	1,119.71	3/4	759.13	3/4	396.59	3/4	43.37	3/4		3/4	
2	2,561.97	2	2,199.42	2	1,836.87	2	1,474.32	2	1,112.21	2	751.58	2	389.04	2	38.80	2		2	
1/4	2,554.42	1/4	2,191.87	1/4	1,829.32	1/4	1,466.77	1/4	1,104.70	1/4	744.03	1/4	381.49	1/4	34.24	1/4		1/4	
1/2	2,546.86	1/2	2,184.32	1/2	1,821.77	1/2	1,459.22	1/2	1,097.20	1/2	736.48	1/2	373.94	1/2	29.68	1/2		1/2	
3/4	2,539.31	3/4	2,176.76	3/4	1,814.21	3/4	1,451.66	3/4	1,089.70	3/4	728.92	3/4	366.38	3/4	25.12	3/4		3/4	
3	2,531.76	3	2,169.21	3	1,806.66	3	1,444.11	3	1,082.20	3	721.37	3	358.83	3		3		3	
1/4	2,524.21	1/4	2,161.66	1/4	1,799.11	1/4	1,436.56	1/4	1,074.69	1/4	713.82	1/4	351.28	1/4		1/4		1/4	
1/2	2,516.65	1/2	2,154.10	1/2	1,791.55	1/2	1,429.01	1/2	1,067.19	1/2	706.26	1/2	343.72	1/2		1/2		1/2	
3/4	2,509.10	3/4	2,146.55	3/4	1,784.00	3/4	1,421.45	3/4	1,059.69	3/4	698.71	3/4	336.17	3/4		3/4		3/4	
4	2,501.55	4	2,139.00	4	1,776.45	4	1,413.90	4	1,052.19	4	691.16	4	328.62	4		4		4	
1/4	2,493.99	1/4	2,131.44	1/4	1,768.90	1/4	1,406.35	1/4	1,044.69	1/4	683.61	1/4	321.07	1/4		1/4		1/4	
1/2	2,486.44	1/2	2,123.89	1/2	1,761.34	1/2	1,398.79	1/2	1,037.18	1/2	676.05	1/2	313.51	1/2		1/2		1/2	
3/4	2,478.89	3/4	2,116.34	3/4	1,753.79	3/4	1,391.24	3/4	1,029.68	3/4	668.50	3/4	305.96	3/4		3/4		3/4	
5	2,471.33	5	2,108.78	5	1,746.24	5	1,383.69	5	1,022.18	5	660.95	5	298.41	5		5		5	
1/4	2,463.78	1/4	2,101.23	1/4	1,738.68	1/4	1,376.13	1/4	1,014.68	1/4	653.39	1/4	290.85	1/4		1/4		1/4	
1/2	2,456.23	1/2	2,093.68	1/2	1,731.13	1/2	1,368.58	1/2	1,007.17	1/2	645.84	1/2	283.30	1/2		1/2		1/2	
3/4	2,448.67	3/4	2,086.13	3/4	1,723.58	3/4	1,361.03	3/4	999.67	3/4	638.29	3/4	275.75	3/4		3/4		3/4	
6	2,441.12	6	2,078.57	6	1,716.02	6	1,353.47	6	992.17	6	630.73	6	268.20	6		6		6	
1/4	2,433.57	1/4	2,071.02	1/4	1,708.47	1/4	1,345.92	1/4	984.67	1/4	623.18	1/4	260.64	1/4		1/4		1/4	
1/2	2,426.01	1/2	2,063.47	1/2	1,700.92	1/2	1,338.37	1/2	977.16	1/2	615.63	1/2	253.09	1/2		1/2		1/2	
3/4	2,418.46	3/4	2,055.91	3/4	1,693.36	3/4	1,330.82	3/4	969.66	3/4	608.08	3/4	245.54	3/4		3/4		3/4	
7	2,410.91	7	2,048.36	7	1,685.81	7	1,323.26	7	962.16	7	600.52	7	237.98	7		7		7	
1/4	2,403.36	1/4	2,040.81	1/4	1,678.26	1/4	1,315.71	1/4	954.66	1/4	592.97	1/4	230.43	1/4		1/4		1/4	
1/2	2,395.80	1/2	2,033.25	1/2	1,670.70	1/2	1,308.16	1/2	947.16	1/2	585.42	1/2	222.88	1/2		1/2		1/2	
3/4	2,388.25	3/4	2,025.70	3/4	1,663.15	3/4	1,300.60	3/4	939.65	3/4	577.86	3/4	215.33	3/4		3/4		3/4	
8	2,380.70	8	2,018.15	8	1,655.60	8	1,293.05	8	932.15	8	570.31	8	207.77	8		8		8	
1/4	2,373.14	1/4	2,010.59	1/4	1,648.05	1/4	1,285.50	1/4	924.65	1/4	562.76	1/4	200.22	1/4		1/4		1/4	
1/2	2,365.59	1/2	2,003.04	1/2	1,640.49	1/2	1,277.94	1/2	917.15	1/2	555.21	1/2	192.67	1/2		1/2		1/2	
3/4	2,358.04	3/4	1,995.49	3/4	1,632.94	3/4	1,270.39	3/4	909.64	3/4	547.65	3/4	185.11	3/4		3/4		3/4	
9	2,350.48	9	1,987.93	9	1,625.39	9	1,262.84	9	902.14	9	540.10	9	177.56	9		9		9	
1/4	2,342.93	1/4	1,980.38	1/4	1,617.83	1/4	1,255.28	1/4	894.64	1/4	532.55	1/4	170.01	1/4		1/4		1/4	
1/2	2,335.38	1/2	1,972.83	1/2	1,610.28	1/2	1,247.73	1/2	887.14	1/2	524.99	1/2	162.46	1/2		1/2		1/2	
3/4	2,327.82	3/4	1,965.28	3/4	1,602.73	3/4	1,240.18	3/4	879.63	3/4	517.44	3/4	154.90	3/4		3/4		3/4	
10	2,320.27	10	1,957.72	10	1,595.17	10	1,232.62	10	872.12	10	509.89	10	147.36	10		10		10	
1/4	2,312.72	1/4	1,950.17	1/4	1,587.62	1/4	1,225.07	1/4	864.61	1/4	502.34	1/4	139.81	1/4		1/4		1/4	
1/2	2,305.17	1/2	1,942.62	1/2	1,580.07	1/2	1,217.52	1/2	857.10	1/2	494.78	1/2	132.27	1/2		1/2		1/2	
3/4	2,297.61	3/4	1,935.06	3/4	1,572.51	3/4	1,209.97	3/4	849.59	3/4	487.23	3/4	124.73	3/4		3/4		3/4	
11	2,290.06	11	1,927.51	11	1,564.96	11	1,202.41	11	842.07	11	479.68	11	117.20	11		11		11	
1/4	2,282.51	1/4	1,919.96	1/4	1,557.41	1/4	1,194.86	1/4	834.56	1/4	472.12	1/4	109.68	1/4		1/4		1/4	
1/2	2,274.95	1/2	1,912.40	1/2	1,549.86	1/2	1,187.31	1/2	827.05	1/2	464.57	1/2	102.16	1/2		1/2		1/2	
3/4	2,267.40	3/4	1,904.85	3/4	1,542.30	3/4	1,179.75	3/4	819.53	3/4	457.02	3/4	94.64	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/13/2011 PMA
RECALCULATED: 08/25/2021 PMA
NAME CHANGE: 08/25/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2021

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



BARGE "KIRBY 29068"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: HBC 301

GAUGE HEIGHT 17'-02 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	5,139.21	0	4,779.96	0	4,418.89	0	4,057.39	0	3,695.89	0	3,334.38	0	2,972.87		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,131.79	1/4	4,772.46	1/4	4,411.36	1/4	4,049.86	1/4	3,688.36	1/4	3,326.85	1/4	2,965.33		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,124.37	1/2	4,764.96	1/2	4,403.83	1/2	4,042.33	1/2	3,680.82	1/2	3,319.32	1/2	2,957.79		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,116.95	3/4	4,757.46	3/4	4,396.30	3/4	4,034.79	3/4	3,673.29	3/4	3,311.79	3/4	2,950.25		
1		1		1		1	5,109.53	1	4,749.96	1	4,388.77	1	4,027.26	1	3,665.76	1	3,304.26	1	2,942.71		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,102.11	1/4	4,742.45	1/4	4,381.23	1/4	4,019.73	1/4	3,658.23	1/4	3,296.73	1/4	2,935.18		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,094.69	1/2	4,734.95	1/2	4,373.70	1/2	4,012.20	1/2	3,650.70	1/2	3,289.20	1/2	2,927.64		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,087.27	3/4	4,727.45	3/4	4,366.17	3/4	4,004.67	3/4	3,643.17	3/4	3,281.66	3/4	2,920.10		
2		2		2		2	5,079.85	2	4,719.95	2	4,358.64	2	3,997.14	2	3,635.64	2	3,274.13	2	2,912.57		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,072.43	1/4	4,712.45	1/4	4,351.11	1/4	3,989.61	1/4	3,628.10	1/4	3,266.60	1/4	2,905.03		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,065.01	1/2	4,704.94	1/2	4,343.58	1/2	3,982.08	1/2	3,620.57	1/2	3,259.07	1/2	2,897.49		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,057.51	3/4	4,697.44	3/4	4,336.05	3/4	3,974.54	3/4	3,613.04	3/4	3,251.54	3/4	2,889.96		
3		3		3		3	5,050.02	3	4,689.94	3	4,328.52	3	3,967.01	3	3,605.51	3	3,244.01	3	2,882.42		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,042.53	1/4	4,682.44	1/4	4,320.98	1/4	3,959.48	1/4	3,597.98	1/4	3,236.48	1/4	2,874.88		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,035.04	1/2	4,674.94	1/2	4,313.45	1/2	3,951.95	1/2	3,590.45	1/2	3,228.95	1/2	2,867.35		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,027.53	3/4	4,667.41	3/4	4,305.92	3/4	3,944.42	3/4	3,582.92	3/4	3,221.41	3/4	2,859.81		
4		4		4		4	5,020.03	4	4,659.88	4	4,298.39	4	3,936.89	4	3,575.39	4	3,213.88	4	2,852.27		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,012.53	1/4	4,652.36	1/4	4,290.86	1/4	3,929.36	1/4	3,567.85	1/4	3,206.35	1/4	2,844.74		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,005.03	1/2	4,644.83	1/2	4,283.33	1/2	3,921.83	1/2	3,560.32	1/2	3,198.82	1/2	2,837.20		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,997.53	3/4	4,637.30	3/4	4,275.80	3/4	3,914.29	3/4	3,552.79	3/4	3,191.29	3/4	2,829.66		
5		5		5		5	4,990.02	5	4,629.77	5	4,268.27	5	3,906.76	5	3,545.26	5	3,183.76	5	2,822.13		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,982.52	1/4	4,622.24	1/4	4,260.73	1/4	3,899.23	1/4	3,537.73	1/4	3,176.23	1/4	2,814.59		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,975.02	1/2	4,614.71	1/2	4,253.20	1/2	3,891.70	1/2	3,530.20	1/2	3,168.70	1/2	2,807.05		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,967.52	3/4	4,607.17	3/4	4,245.67	3/4	3,884.17	3/4	3,522.67	3/4	3,161.16	3/4	2,799.52		
6		6	5,292.95	6	4,960.01	6	4,599.64	6	4,238.14	6	3,876.64	6	3,515.14	6	3,153.63	6	2,791.98				
1/4	1/4	1/4	5,289.42	1/4	4,952.51	1/4	4,592.11	1/4	4,230.61	1/4	3,869.11	1/4	3,507.60	1/4	3,146.10	1/4	2,784.44				
1/2	1/2	1/2	5,285.90	1/2	4,945.01	1/2	4,584.58	1/2	4,223.08	1/2	3,861.58	1/2	3,500.07	1/2	3,138.57	1/2	2,776.90				
3/4	3/4	3/4	5,281.11	3/4	4,937.51	3/4	4,577.05	3/4	4,215.55	3/4	3,854.04	3/4	3,492.54	3/4	3,131.04	3/4	2,769.37				
7		7	5,276.33	7	4,930.01	7	4,569.52	7	4,208.01	7	3,846.51	7	3,485.01	7	3,123.51	7	2,761.83				
1/4	1/4	1/4	5,271.55	1/4	4,922.50	1/4	4,561.99	1/4	4,200.48	1/4	3,838.98	1/4	3,477.48	1/4	3,115.98	1/4	2,754.29				
1/2	1/2	1/2	5,266.77	1/2	4,915.00	1/2	4,554.45	1/2	4,192.95	1/2	3,831.45	1/2	3,469.95	1/2	3,108.45	1/2	2,746.76				
3/4	3/4	3/4	5,260.73	3/4	4,907.50	3/4	4,546.92	3/4	4,185.42	3/4	3,823.92	3/4	3,462.42	3/4	3,100.91	3/4	2,739.22				
8		8	5,254.69	8	4,900.00	8	4,539.39	8	4,177.89	8	3,816.39	8	3,454.88	8	3,093.38	8	2,731.68				
1/4	1/4	1/4	5,248.65	1/4	4,892.50	1/4	4,531.86	1/4	4,170.36	1/4	3,808.86	1/4	3,447.35	1/4	3,085.85	1/4	2,724.15				
1/2	1/2	1/2	5,242.61	1/2	4,884.99	1/2	4,524.33	1/2	4,162.83	1/2	3,801.32	1/2	3,439.82	1/2	3,078.32	1/2	2,716.61				
3/4	3/4	3/4	5,235.32	3/4	4,877.49	3/4	4,516.80	3/4	4,155.30	3/4	3,793.79	3/4	3,432.29	3/4	3,070.79	3/4	2,709.07				
9		9	5,228.02	9	4,869.99	9	4,509.27	9	4,147.76	9	3,786.26	9	3,424.76	9	3,063.26	9	2,701.54				
1/4	1/4	1/4	5,220.73	1/4	4,862.49	1/4	4,501.74	1/4	4,140.23	1/4	3,778.73	1/4	3,417.23	1/4	3,055.73	1/4	2,694.00				
1/2	1/2	1/2	5,213.44	1/2	4,854.99	1/2	4,494.20	1/2	4,132.70	1/2	3,771.20	1/2	3,409.70	1/2	3,048.19	1/2	2,686.46				
3/4	3/4	3/4	5,206.01	3/4	4,847.48	3/4	4,486.67	3/4	4,125.17	3/4	3,763.67	3/4	3,402.17	3/4	3,040.66	3/4	2,678.93				
10		10	5,198.59	10	4,839.98	10	4,479.14	10	4,117.64	10	3,756.14	10	3,394.63	10	3,033.13	10	2,671.39				
1/4	1/4	1/4	5,191.16	1/4	4,832.48	1/4	4,471.61	1/4	4,110.11	1/4	3,748.61	1/4	3,387.10	1/4	3,025.60	1/4	2,663.85				
1/2	1/2	1/2	5,183.74	1/2	4,824.98	1/2	4,464.08	1/2	4,102.58	1/2	3,741.07	1/2	3,379.57	1/2	3,018.07	1/2	2,656.32				
3/4	3/4	3/4	5,176.32	3/4	4,817.47	3/4	4,456.55	3/4	4,095.05	3/4	3,733.54	3/4	3,372.04	3/4	3,010.54	3/4	2,648.78				
11		11	5,168.90	11	4,809.97	11	4,449.02	11	4,087.51	11	3,726.01	11	3,364.51	11	3,003.01	11	2,641.24				
1/4	1/4	1/4	5,161.48	1/4	4,802.47	1/4	4,441.49	1/4	4,079.98	1/4	3,718.48	1/4	3,356.98	1/4	2,995.48	1/4	2,633.71				
1/2	1/2	1/2	5,154.06	1/2	4,794.97	1/2	4,433.95	1/2	4,072.45	1/2	3,710.95	1/2	3,349.45	1/2	2,987.94	1/2	2,626.17				
3/4	3/4	3/4	5,146.63	3/4	4,787.47	3/4	4,426.42	3/4	4,064.92	3/4	3,703.42	3/4	3,341.92	3/4	2,980.41	3/4	2,618.63				

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 41'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 29068"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: HBC 301

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	2,611.10	0	2,249.33	0	1,887.56	0	1,525.80	0	1,164.05	0	802.71	0	440.96	0	80.48	0		0	
1/4	2,603.56	1/4	2,241.79	1/4	1,880.03	1/4	1,518.26	1/4	1,156.52	1/4	795.18	1/4	433.42	1/4	73.50	1/4		1/4	
1/2	2,596.02	1/2	2,234.26	1/2	1,872.49	1/2	1,510.72	1/2	1,149.00	1/2	787.64	1/2	425.89	1/2	66.52	1/2		1/2	
3/4	2,588.48	3/4	2,226.72	3/4	1,864.95	3/4	1,503.19	3/4	1,141.47	3/4	780.10	3/4	418.35	3/4	60.71	3/4		3/4	
1	2,580.95	1	2,219.18	1	1,857.42	1	1,495.65	1	1,133.94	1	772.57	1	410.82	1	54.90	1		1	
1/4	2,573.41	1/4	2,211.64	1/4	1,849.88	1/4	1,488.11	1/4	1,126.42	1/4	765.03	1/4	403.28	1/4	49.09	1/4		1/4	
1/2	2,565.87	1/2	2,204.11	1/2	1,842.34	1/2	1,480.58	1/2	1,118.89	1/2	757.49	1/2	395.74	1/2	43.28	1/2		1/2	
3/4	2,558.34	3/4	2,196.57	3/4	1,834.80	3/4	1,473.04	3/4	1,111.37	3/4	749.96	3/4	388.21	3/4	38.73	3/4		3/4	
2	2,550.80	2	2,189.03	2	1,827.27	2	1,465.50	2	1,103.84	2	742.42	2	380.67	2	34.17	2		2	
1/4	2,543.26	1/4	2,181.50	1/4	1,819.73	1/4	1,457.96	1/4	1,096.32	1/4	734.88	1/4	373.13	1/4	29.62	1/4		1/4	
1/2	2,535.73	1/2	2,173.96	1/2	1,812.19	1/2	1,450.43	1/2	1,088.79	1/2	727.35	1/2	365.60	1/2	25.06	1/2		1/2	
3/4	2,528.19	3/4	2,166.42	3/4	1,804.66	3/4	1,442.89	3/4	1,081.27	3/4	719.81	3/4	358.06	3/4		3/4		3/4	
3	2,520.65	3	2,158.89	3	1,797.12	3	1,435.35	3	1,073.74	3	712.28	3	350.52	3		3		3	
1/4	2,513.12	1/4	2,151.35	1/4	1,789.58	1/4	1,427.82	1/4	1,066.21	1/4	704.74	1/4	342.99	1/4		1/4		1/4	
1/2	2,505.58	1/2	2,143.81	1/2	1,782.05	1/2	1,420.28	1/2	1,058.69	1/2	697.20	1/2	335.45	1/2		1/2		1/2	
3/4	2,498.04	3/4	2,136.28	3/4	1,774.51	3/4	1,412.74	3/4	1,051.16	3/4	689.67	3/4	327.91	3/4		3/4		3/4	
4	2,490.51	4	2,128.74	4	1,766.97	4	1,405.21	4	1,043.64	4	682.13	4	320.38	4		4		4	
1/4	2,482.97	1/4	2,121.20	1/4	1,759.44	1/4	1,397.67	1/4	1,036.11	1/4	674.59	1/4	312.84	1/4		1/4		1/4	
1/2	2,475.43	1/2	2,113.67	1/2	1,751.90	1/2	1,390.13	1/2	1,028.59	1/2	667.06	1/2	305.30	1/2		1/2		1/2	
3/4	2,467.90	3/4	2,106.13	3/4	1,744.36	3/4	1,382.60	3/4	1,021.06	3/4	659.52	3/4	297.77	3/4		3/4		3/4	
5	2,460.36	5	2,098.59	5	1,736.83	5	1,375.06	5	1,013.54	5	651.98	5	290.23	5		5		5	
1/4	2,452.82	1/4	2,091.06	1/4	1,729.29	1/4	1,367.52	1/4	1,006.01	1/4	644.45	1/4	282.69	1/4		1/4		1/4	
1/2	2,445.29	1/2	2,083.52	1/2	1,721.75	1/2	1,359.99	1/2	998.49	1/2	636.91	1/2	275.16	1/2		1/2		1/2	
3/4	2,437.75	3/4	2,075.98	3/4	1,714.22	3/4	1,352.45	3/4	990.96	3/4	629.37	3/4	267.62	3/4		3/4		3/4	
6	2,430.21	6	2,068.45	6	1,706.68	6	1,344.91	6	983.43	6	621.84	6	260.09	6		6		6	
1/4	2,422.68	1/4	2,060.91	1/4	1,699.14	1/4	1,337.38	1/4	975.91	1/4	614.30	1/4	252.55	1/4		1/4		1/4	
1/2	2,415.14	1/2	2,053.37	1/2	1,691.61	1/2	1,329.84	1/2	968.38	1/2	606.76	1/2	245.01	1/2		1/2		1/2	
3/4	2,407.60	3/4	2,045.84	3/4	1,684.07	3/4	1,322.30	3/4	960.86	3/4	599.23	3/4	237.48	3/4		3/4		3/4	
7	2,400.06	7	2,038.30	7	1,676.53	7	1,314.77	7	953.33	7	591.69	7	229.94	7		7		7	
1/4	2,392.53	1/4	2,030.76	1/4	1,669.00	1/4	1,307.23	1/4	945.81	1/4	584.15	1/4	222.40	1/4		1/4		1/4	
1/2	2,384.99	1/2	2,023.22	1/2	1,661.46	1/2	1,299.69	1/2	938.28	1/2	576.62	1/2	214.87	1/2		1/2		1/2	
3/4	2,377.45	3/4	2,015.69	3/4	1,653.92	3/4	1,292.16	3/4	930.76	3/4	569.08	3/4	207.33	3/4		3/4		3/4	
8	2,369.92	8	2,008.15	8	1,646.38	8	1,284.62	8	923.23	8	561.55	8	199.79	8		8		8	
1/4	2,362.38	1/4	2,000.61	1/4	1,638.85	1/4	1,277.08	1/4	915.70	1/4	554.01	1/4	192.26	1/4		1/4		1/4	
1/2	2,354.84	1/2	1,993.08	1/2	1,631.31	1/2	1,269.54	1/2	908.18	1/2	546.47	1/2	184.72	1/2		1/2		1/2	
3/4	2,347.31	3/4	1,985.54	3/4	1,623.77	3/4	1,262.01	3/4	900.65	3/4	538.94	3/4	177.18	3/4		3/4		3/4	
9	2,339.77	9	1,978.00	9	1,616.24	9	1,254.47	9	893.13	9	531.40	9	169.65	9		9		9	
1/4	2,332.23	1/4	1,970.47	1/4	1,608.70	1/4	1,246.93	1/4	885.60	1/4	523.86	1/4	162.11	1/4		1/4		1/4	
1/2	2,324.70	1/2	1,962.93	1/2	1,601.16	1/2	1,239.40	1/2	878.08	1/2	516.33	1/2	154.58	1/2		1/2		1/2	
3/4	2,317.16	3/4	1,955.39	3/4	1,593.63	3/4	1,231.86	3/4	870.54	3/4	508.79	3/4	147.05	3/4		3/4		3/4	
10	2,309.62	10	1,947.86	10	1,586.09	10	1,224.32	10	863.00	10	501.25	10	139.52	10		10		10	
1/4	2,302.09	1/4	1,940.32	1/4	1,578.55	1/4	1,216.79	1/4	855.47	1/4	493.72	1/4	131.99	1/4		1/4		1/4	
1/2	2,294.55	1/2	1,932.78	1/2	1,571.02	1/2	1,209.25	1/2	847.93	1/2	486.18	1/2	124.46	1/2		1/2		1/2	
3/4	2,287.01	3/4	1,925.25	3/4	1,563.48	3/4	1,201.71	3/4	840.40	3/4	478.64	3/4	116.96	3/4		3/4		3/4	
11	2,279.48	11	1,917.71	11	1,555.94	11	1,194.18	11	832.86	11	471.11	11	109.45	11		11		11	
1/4	2,271.94	1/4	1,910.17	1/4	1,548.41	1/4	1,186.64	1/4	825.32	1/4	463.57	1/4	101.95	1/4		1/4		1/4	
1/2	2,264.40	1/2	1,902.64	1/2	1,540.87	1/2	1,179.10	1/2	817.79	1/2	456.03	1/2	94.44	1/2		1/2		1/2	
3/4	2,256.87	3/4	1,895.10	3/4	1,533.33	3/4	1,171.58	3/4	810.25	3/4	448.50	3/4	87.46	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/13/2011 PMA
RECALCULATED: 08/25/2021 PMA
NAME CHANGE: 08/25/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2021

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



BARGE "KIRBY 29068"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: HBC 301

GAUGE HEIGHT 17'-03 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	5,152.71	0	4,793.78	0	4,432.83	0	4,071.32	0	3,709.82	0	3,348.32	0	2,986.82
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,145.29	1/4	4,786.28	1/4	4,425.29	1/4	4,063.79	1/4	3,702.29	1/4	3,340.79	1/4	2,979.29
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,137.87	1/2	4,778.78	1/2	4,417.76	1/2	4,056.26	1/2	3,694.76	1/2	3,333.26	1/2	2,971.75
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,130.44	3/4	4,771.28	3/4	4,410.23	3/4	4,048.73	3/4	3,687.23	3/4	3,325.73	3/4	2,964.22
1		1		1		1	5,123.02	1	4,763.77	1	4,402.70	1	4,041.20	1	3,679.70	1	3,318.19	1	2,956.68
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,115.60	1/4	4,756.27	1/4	4,395.17	1/4	4,033.67	1/4	3,672.16	1/4	3,310.66	1/4	2,949.14
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,108.18	1/2	4,748.77	1/2	4,387.64	1/2	4,026.14	1/2	3,664.63	1/2	3,303.13	1/2	2,941.60
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,100.76	3/4	4,741.27	3/4	4,380.11	3/4	4,018.60	3/4	3,657.10	3/4	3,295.60	3/4	2,934.06
2		2		2		2	5,093.34	2	4,733.77	2	4,372.58	2	4,011.07	2	3,649.57	2	3,288.07	2	2,926.52
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,085.92	1/4	4,726.26	1/4	4,365.04	1/4	4,003.54	1/4	3,642.04	1/4	3,280.54	1/4	2,918.99
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,078.50	1/2	4,718.76	1/2	4,357.51	1/2	3,996.01	1/2	3,634.51	1/2	3,273.01	1/2	2,911.45
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,071.08	3/4	4,711.26	3/4	4,349.98	3/4	3,988.48	3/4	3,626.98	3/4	3,265.47	3/4	2,903.91
3		3		3		3	5,063.66	3	4,703.76	3	4,342.45	3	3,980.95	3	3,619.45	3	3,257.94	3	2,896.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,056.24	1/4	4,696.26	1/4	4,334.92	1/4	3,973.42	1/4	3,611.91	1/4	3,250.41	1/4	2,888.84
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,048.81	1/2	4,688.75	1/2	4,327.39	1/2	3,965.89	1/2	3,604.38	1/2	3,242.88	1/2	2,881.30
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,041.32	3/4	4,681.25	3/4	4,319.86	3/4	3,958.35	3/4	3,596.85	3/4	3,235.35	3/4	2,873.77
4		4		4		4	5,033.83	4	4,673.75	4	4,312.33	4	3,950.82	4	3,589.32	4	3,227.82	4	2,866.23
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,026.34	1/4	4,666.25	1/4	4,304.79	1/4	3,943.29	1/4	3,581.79	1/4	3,220.29	1/4	2,858.69
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,018.85	1/2	4,658.75	1/2	4,297.26	1/2	3,935.76	1/2	3,574.26	1/2	3,212.76	1/2	2,851.16
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,011.34	3/4	4,651.22	3/4	4,289.73	3/4	3,928.23	3/4	3,566.73	3/4	3,205.22	3/4	2,843.62
5		5		5		5	5,003.84	5	4,643.69	5	4,282.20	5	3,920.70	5	3,559.20	5	3,197.69	5	2,836.08
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,996.34	1/4	4,636.17	1/4	4,274.67	1/4	3,913.17	1/4	3,551.66	1/4	3,190.16	1/4	2,828.55
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,988.84	1/2	4,628.64	1/2	4,267.14	1/2	3,905.64	1/2	3,544.13	1/2	3,182.63	1/2	2,821.01
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,981.34	3/4	4,621.11	3/4	4,259.61	3/4	3,898.10	3/4	3,536.60	3/4	3,175.10	3/4	2,813.47
6		6		6		6	4,973.83	6	4,613.58	6	4,252.08	6	3,890.57	6	3,529.07	6	3,167.57	6	2,805.94
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,966.33	1/4	4,606.05	1/4	4,244.54	1/4	3,883.04	1/4	3,521.54	1/4	3,160.04	1/4	2,798.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,958.83	1/2	4,598.51	1/2	4,237.01	1/2	3,875.51	1/2	3,514.01	1/2	3,152.51	1/2	2,790.86
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,951.33	3/4	4,590.98	3/4	4,229.48	3/4	3,867.98	3/4	3,506.48	3/4	3,144.97	3/4	2,783.33
7		7	5,276.76	7	4,943.83	7	4,583.45	7	4,221.95	7	3,860.45	7	3,498.95	7	3,137.44	7	2,775.79		
1/4	1/4	1/4	5,273.23	1/4	4,936.32	1/4	4,575.92	1/4	4,214.42	1/4	3,852.92	1/4	3,491.41	1/4	3,129.91	1/4	2,768.25		
1/2	1/2	1/2	5,269.71	1/2	4,928.82	1/2	4,568.39	1/2	4,206.89	1/2	3,845.38	1/2	3,483.88	1/2	3,122.38	1/2	2,760.71		
3/4	3/4	3/4	5,264.92	3/4	4,921.32	3/4	4,560.86	3/4	4,199.36	3/4	3,837.85	3/4	3,476.35	3/4	3,114.85	3/4	2,753.18		
8		8	5,260.14	8	4,913.82	8	4,553.33	8	4,191.82	8	3,830.32	8	3,468.82	8	3,107.32	8	2,745.64		
1/4	1/4	1/4	5,255.36	1/4	4,906.31	1/4	4,545.80	1/4	4,184.29	1/4	3,822.79	1/4	3,461.29	1/4	3,099.79	1/4	2,738.10		
1/2	1/2	1/2	5,250.58	1/2	4,898.81	1/2	4,538.26	1/2	4,176.76	1/2	3,815.26	1/2	3,453.76	1/2	3,092.25	1/2	2,730.57		
3/4	3/4	3/4	5,244.54	3/4	4,891.31	3/4	4,530.73	3/4	4,169.23	3/4	3,807.73	3/4	3,446.23	3/4	3,084.72	3/4	2,723.03		
9		9	5,238.50	9	4,883.81	9	4,523.20	9	4,161.70	9	3,800.20	9	3,438.69	9	3,077.19	9	2,715.49		
1/4	1/4	1/4	5,232.46	1/4	4,876.31	1/4	4,515.67	1/4	4,154.17	1/4	3,792.67	1/4	3,431.16	1/4	3,069.66	1/4	2,707.96		
1/2	1/2	1/2	5,226.42	1/2	4,868.80	1/2	4,508.14	1/2	4,146.64	1/2	3,785.13	1/2	3,423.63	1/2	3,062.13	1/2	2,700.42		
3/4	3/4	3/4	5,219.13	3/4	4,861.30	3/4	4,500.61	3/4	4,139.11	3/4	3,777.60	3/4	3,416.10	3/4	3,054.60	3/4	2,692.88		
10		10	5,211.83	10	4,853.80	10	4,493.08	10	4,131.57	10	3,770.07	10	3,408.57	10	3,047.07	10	2,685.35		
1/4	1/4	1/4	5,204.54	1/4	4,846.30	1/4	4,485.55	1/4	4,124.04	1/4	3,762.54	1/4	3,401.04	1/4	3,039.54	1/4	2,677.81		
1/2	1/2	1/2	5,197.25	1/2	4,838.80	1/2	4,478.01	1/2	4,116.51	1/2	3,755.01	1/2	3,393.51	1/2	3,032.00	1/2	2,670.27		
3/4	3/4	3/4	5,189.82	3/4	4,831.29	3/4	4,470.48	3/4	4,108.98	3/4	3,747.48	3/4	3,385.98	3/4	3,024.47	3/4	2,662.74		
11		11	5,182.40	11	4,823.79	11	4,462.95	11	4,101.45	11	3,739.95	11	3,378.44	11	3,016.94	11	2,655.20		
1/4	1/4	1/4	5,174.97	1/4	4,816.29	1/4	4,455.42	1/4	4,093.92	1/4	3,732.42	1/4	3,370.91	1/4	3,009.41	1/4	2,647.66		
1/2	1/2	1/2	5,167.55	1/2	4,808.79	1/2	4,447.89	1/2	4,086.39	1/2	3,724.88	1/2	3,363.38	1/2	3,001.88	1/2	2,640.13		
3/4	3/4	3/4	5,160.13	3/4	4,801.29	3/4	4,440.36	3/4	4,078.86	3/4	3,717.35	3/4	3,355.85	3/4	2,994.35	3/4	2,632.59		

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 41'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29068"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: HBC 301

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	2,625.05	0	2,263.29	0	1,901.52	0	1,539.75	0	1,178.40	0	828.46	0	471.10	0	109.45	0		0	
1/4	2,617.52	1/4	2,255.75	1/4	1,893.98	1/4	1,532.22	1/4	1,171.07	1/4	821.16	1/4	463.57	1/4	101.94	1/4		1/4	
1/2	2,609.98	1/2	2,248.21	1/2	1,886.45	1/2	1,524.68	1/2	1,163.75	1/2	813.86	1/2	456.03	1/2	94.44	1/2		1/2	
3/4	2,602.44	3/4	2,240.68	3/4	1,878.91	3/4	1,517.14	3/4	1,156.46	3/4	806.56	3/4	448.50	3/4	87.46	3/4		3/4	
1	2,594.91	1	2,233.14	1	1,871.37	1	1,509.61	1	1,149.17	1	799.26	1	440.96	1	80.48	1		1	
1/4	2,587.37	1/4	2,225.60	1/4	1,863.84	1/4	1,502.07	1/4	1,141.88	1/4	791.96	1/4	433.42	1/4	73.49	1/4		1/4	
1/2	2,579.83	1/2	2,218.07	1/2	1,856.30	1/2	1,494.53	1/2	1,134.59	1/2	784.67	1/2	425.89	1/2	66.51	1/2		1/2	
3/4	2,572.29	3/4	2,210.53	3/4	1,848.76	3/4	1,487.00	3/4	1,127.30	3/4	777.37	3/4	418.35	3/4	60.70	3/4		3/4	
2	2,564.76	2	2,202.99	2	1,841.23	2	1,479.46	2	1,120.01	2	770.07	2	410.81	2	54.89	2		2	
1/4	2,557.22	1/4	2,195.45	1/4	1,833.69	1/4	1,471.92	1/4	1,112.73	1/4	762.77	1/4	403.28	1/4	49.09	1/4		1/4	
1/2	2,549.68	1/2	2,187.92	1/2	1,826.15	1/2	1,464.39	1/2	1,105.44	1/2	755.47	1/2	395.74	1/2	43.28	1/2		1/2	
3/4	2,542.15	3/4	2,180.38	3/4	1,818.61	3/4	1,456.85	3/4	1,098.15	3/4	748.17	3/4	388.20	3/4	38.72	3/4		3/4	
3	2,534.61	3	2,172.84	3	1,811.08	3	1,449.31	3	1,090.86	3	740.88	3	380.67	3	34.17	3		3	
1/4	2,527.07	1/4	2,165.31	1/4	1,803.54	1/4	1,441.77	1/4	1,083.58	1/4	733.58	1/4	373.13	1/4	29.62	1/4		1/4	
1/2	2,519.54	1/2	2,157.77	1/2	1,796.00	1/2	1,434.24	1/2	1,076.29	1/2	726.28	1/2	365.59	1/2	25.06	1/2		1/2	
3/4	2,512.00	3/4	2,150.23	3/4	1,788.47	3/4	1,426.70	3/4	1,069.00	3/4	718.98	3/4	358.06	3/4		3/4		3/4	
4	2,504.46	4	2,142.70	4	1,780.93	4	1,419.16	4	1,061.71	4	711.68	4	350.52	4		4		4	
1/4	2,496.93	1/4	2,135.16	1/4	1,773.39	1/4	1,411.63	1/4	1,054.43	1/4	704.38	1/4	342.98	1/4		1/4		1/4	
1/2	2,489.39	1/2	2,127.62	1/2	1,765.86	1/2	1,404.09	1/2	1,047.14	1/2	697.08	1/2	335.45	1/2		1/2		1/2	
3/4	2,481.85	3/4	2,120.09	3/4	1,758.32	3/4	1,396.55	3/4	1,039.85	3/4	689.58	3/4	327.91	3/4		3/4		3/4	
5	2,474.32	5	2,112.55	5	1,750.78	5	1,389.02	5	1,032.57	5	682.07	5	320.37	5		5		5	
1/4	2,466.78	1/4	2,105.01	1/4	1,743.25	1/4	1,381.48	1/4	1,025.28	1/4	674.56	1/4	312.84	1/4		1/4		1/4	
1/2	2,459.24	1/2	2,097.48	1/2	1,735.71	1/2	1,373.94	1/2	1,017.99	1/2	667.05	1/2	305.30	1/2		1/2		1/2	
3/4	2,451.71	3/4	2,089.94	3/4	1,728.17	3/4	1,366.41	3/4	1,010.70	3/4	659.52	3/4	297.77	3/4		3/4		3/4	
6	2,444.17	6	2,082.40	6	1,720.64	6	1,358.87	6	1,003.42	6	651.98	6	290.23	6		6		6	
1/4	2,436.63	1/4	2,074.87	1/4	1,713.10	1/4	1,351.33	1/4	996.13	1/4	644.44	1/4	282.69	1/4		1/4		1/4	
1/2	2,429.10	1/2	2,067.33	1/2	1,705.56	1/2	1,343.80	1/2	988.84	1/2	636.91	1/2	275.16	1/2		1/2		1/2	
3/4	2,421.56	3/4	2,059.79	3/4	1,698.03	3/4	1,336.26	3/4	981.55	3/4	629.37	3/4	267.62	3/4		3/4		3/4	
7	2,414.02	7	2,052.26	7	1,690.49	7	1,328.72	7	974.27	7	621.83	7	260.08	7		7		7	
1/4	2,406.49	1/4	2,044.72	1/4	1,682.95	1/4	1,321.19	1/4	966.98	1/4	614.30	1/4	252.55	1/4		1/4		1/4	
1/2	2,398.95	1/2	2,037.18	1/2	1,675.42	1/2	1,313.65	1/2	959.69	1/2	606.76	1/2	245.01	1/2		1/2		1/2	
3/4	2,391.41	3/4	2,029.65	3/4	1,667.88	3/4	1,306.11	3/4	952.40	3/4	599.23	3/4	237.47	3/4		3/4		3/4	
8	2,383.87	8	2,022.11	8	1,660.34	8	1,298.58	8	945.12	8	591.69	8	229.94	8		8		8	
1/4	2,376.34	1/4	2,014.57	1/4	1,652.81	1/4	1,291.04	1/4	937.83	1/4	584.15	1/4	222.40	1/4		1/4		1/4	
1/2	2,368.80	1/2	2,007.03	1/2	1,645.27	1/2	1,283.50	1/2	930.54	1/2	576.62	1/2	214.86	1/2		1/2		1/2	
3/4	2,361.26	3/4	1,999.50	3/4	1,637.73	3/4	1,275.97	3/4	923.25	3/4	569.08	3/4	207.33	3/4		3/4		3/4	
9	2,353.73	9	1,991.96	9	1,630.19	9	1,268.43	9	915.97	9	561.54	9	199.79	9		9		9	
1/4	2,346.19	1/4	1,984.42	1/4	1,622.66	1/4	1,260.89	1/4	908.68	1/4	554.01	1/4	192.25	1/4		1/4		1/4	
1/2	2,338.65	1/2	1,976.89	1/2	1,615.12	1/2	1,253.35	1/2	901.39	1/2	546.47	1/2	184.72	1/2		1/2		1/2	
3/4	2,331.12	3/4	1,969.35	3/4	1,607.58	3/4	1,245.82	3/4	894.10	3/4	538.93	3/4	177.18	3/4		3/4		3/4	
10	2,323.58	10	1,961.81	10	1,600.05	10	1,238.28	10	886.82	10	531.40	10	169.65	10		10		10	
1/4	2,316.04	1/4	1,954.28	1/4	1,592.51	1/4	1,230.74	1/4	879.53	1/4	523.86	1/4	162.11	1/4		1/4		1/4	
1/2	2,308.51	1/2	1,946.74	1/2	1,584.97	1/2	1,223.21	1/2	872.24	1/2	516.32	1/2	154.57	1/2		1/2		1/2	
3/4	2,300.97	3/4	1,939.20	3/4	1,577.44	3/4	1,215.67	3/4	864.95	3/4	508.79	3/4	147.04	3/4		3/4		3/4	
11	2,293.43	11	1,931.67	11	1,569.90	11	1,208.13	11	857.65	11	501.25	11	139.52	11		11		11	
1/4	2,285.90	1/4	1,924.13	1/4	1,562.36	1/4	1,200.60	1/4	850.35	1/4	493.71	1/4	131.99	1/4		1/4		1/4	
1/2	2,278.36	1/2	1,916.59	1/2	1,554.83	1/2	1,193.06	1/2	843.05	1/2	486.18	1/2	124.46	1/2		1/2		1/2	
3/4	2,270.82	3/4	1,909.06	3/4	1,547.29	3/4	1,185.73	3/4	835.76	3/4	478.64	3/4	116.95	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/13/2011 PMA
 RECALCULATED: 08/25/2021 PMA
 NAME CHANGE: 08/25/2021 PMA

CANCELS AND SUPERCEDES
 ALL PRIOR TO 08/2021

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



BARGE "KIRBY 29068"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: HBC 301

GAUGE HEIGHT 17'-02 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	4,377.72	0	4,185.34	0	3,992.00	0	3,798.43	0	3,604.86	0	3,326.21	0	2,966.59		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,373.74	1/4	4,181.33	1/4	3,987.97	1/4	3,794.40	1/4	3,600.83	1/4	3,318.71	1/4	2,959.12		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,369.77	1/2	4,177.31	1/2	3,983.94	1/2	3,790.37	1/2	3,596.80	1/2	3,311.20	1/2	2,951.65		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,365.79	3/4	4,173.29	3/4	3,979.90	3/4	3,786.33	3/4	3,592.76	3/4	3,303.70	3/4	2,944.18		
1		1		1		1	4,361.82	1	4,169.27	1	3,975.87	1	3,782.30	1	3,588.73	1	3,296.19	1	2,936.71		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,357.84	1/4	4,165.25	1/4	3,971.84	1/4	3,778.27	1/4	3,584.70	1/4	3,288.68	1/4	2,929.24		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,353.87	1/2	4,161.24	1/2	3,967.81	1/2	3,774.24	1/2	3,580.67	1/2	3,281.18	1/2	2,921.77		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,349.89	3/4	4,157.22	3/4	3,963.77	3/4	3,770.20	3/4	3,576.63	3/4	3,273.67	3/4	2,914.30		
2		2		2		2	4,345.92	2	4,153.20	2	3,959.74	2	3,766.17	2	3,572.60	2	3,266.17	2	2,906.84		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,341.94	1/4	4,149.18	1/4	3,955.71	1/4	3,762.14	1/4	3,568.57	1/4	3,258.66	1/4	2,899.39		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,337.97	1/2	4,145.16	1/2	3,951.67	1/2	3,758.11	1/2	3,564.54	1/2	3,251.16	1/2	2,891.93		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,333.99	3/4	4,141.15	3/4	3,947.64	3/4	3,754.07	3/4	3,560.50	3/4	3,243.65	3/4	2,884.47		
3		3		3		3	4,329.98	3	4,137.13	3	3,943.61	3	3,750.04	3	3,556.47	3	3,236.15	3	2,877.02		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,325.97	1/4	4,133.11	1/4	3,939.58	1/4	3,746.01	1/4	3,552.44	1/4	3,228.64	1/4	2,869.56		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,321.96	1/2	4,129.09	1/2	3,935.54	1/2	3,741.97	1/2	3,548.40	1/2	3,221.14	1/2	2,862.11		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,317.94	3/4	4,125.07	3/4	3,931.51	3/4	3,737.94	3/4	3,544.37	3/4	3,213.63	3/4	2,854.65		
4		4		4		4	4,313.92	4	4,121.04	4	3,927.48	4	3,733.91	4	3,540.34	4	3,206.13	4	2,847.20		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,309.91	1/4	4,117.01	1/4	3,923.45	1/4	3,729.88	1/4	3,536.31	1/4	3,198.62	1/4	2,839.74		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,305.89	1/2	4,112.98	1/2	3,919.41	1/2	3,725.84	1/2	3,532.27	1/2	3,191.11	1/2	2,832.29		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,301.87	3/4	4,108.95	3/4	3,915.38	3/4	3,721.81	3/4	3,528.24	3/4	3,183.61	3/4	2,824.83		
5		5		5		5	4,297.85	5	4,104.92	5	3,911.35	5	3,717.78	5	3,524.21	5	3,176.10	5	2,817.38		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,293.83	1/4	4,100.88	1/4	3,907.32	1/4	3,713.75	1/4	3,520.18	1/4	3,168.60	1/4	2,809.92		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,289.82	1/2	4,096.85	1/2	3,903.28	1/2	3,709.71	1/2	3,516.14	1/2	3,161.09	1/2	2,802.47		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,285.80	3/4	4,092.82	3/4	3,899.25	3/4	3,705.68	3/4	3,512.11	3/4	3,153.59	3/4	2,795.01		
6		6		6		6	4,281.78	6	4,088.79	6	3,895.22	6	3,701.65	6	3,508.04	6	3,146.08	6	2,787.56		
1/4	1/4	1/4	4,444.66	1/4	4,277.76	1/4	4,084.75	1/4	3,891.18	1/4	3,697.61	1/4	3,497.97	1/4	3,138.58	1/4	2,780.11				
1/2	1/2	1/2	4,444.58	1/2	4,273.74	1/2	4,080.72	1/2	3,887.15	1/2	3,693.58	1/2	3,490.90	1/2	3,131.07	1/2	2,772.65				
3/4	3/4	3/4	4,444.50	3/4	4,269.72	3/4	4,076.69	3/4	3,883.12	3/4	3,689.55	3/4	3,483.82	3/4	3,123.57	3/4	2,765.20				
7		7	4,443.17	7	4,265.71	7	4,072.66	7	3,879.09	7	3,685.52	7	3,476.32	7	3,116.06	7	2,757.72				
1/4	1/4	1/4	4,441.84	1/4	4,261.69	1/4	4,068.62	1/4	3,875.05	1/4	3,681.48	1/4	3,468.81	1/4	3,108.55	1/4	2,750.23				
1/2	1/2	1/2	4,440.51	1/2	4,257.67	1/2	4,064.59	1/2	3,871.02	1/2	3,677.45	1/2	3,461.31	1/2	3,101.05	1/2	2,742.75				
3/4	3/4	3/4	4,439.17	3/4	4,253.65	3/4	4,060.56	3/4	3,866.99	3/4	3,673.42	3/4	3,453.80	3/4	3,093.54	3/4	2,735.26				
8		8	4,436.59	8	4,249.63	8	4,056.53	8	3,862.96	8	3,669.39	8	3,446.30	8	3,086.07	8	2,727.77				
1/4	1/4	1/4	4,434.01	1/4	4,245.62	1/4	4,052.49	1/4	3,858.92	1/4	3,665.35	1/4	3,438.79	1/4	3,078.60	1/4	2,720.28				
1/2	1/2	1/2	4,431.42	1/2	4,241.60	1/2	4,048.46	1/2	3,854.89	1/2	3,661.32	1/2	3,431.29	1/2	3,071.13	1/2	2,712.79				
3/4	3/4	3/4	4,428.84	3/4	4,237.58	3/4	4,044.43	3/4	3,850.86	3/4	3,657.29	3/4	3,423.78	3/4	3,063.66	3/4	2,705.31				
9		9	4,425.00	9	4,233.56	9	4,040.39	9	3,846.82	9	3,653.26	9	3,416.28	9	3,056.19	9	2,697.82				
1/4	1/4	1/4	4,421.17	1/4	4,229.54	1/4	4,036.36	1/4	3,842.79	1/4	3,649.22	1/4	3,408.77	1/4	3,048.72	1/4	2,690.33				
1/2	1/2	1/2	4,417.34	1/2	4,225.53	1/2	4,032.33	1/2	3,838.76	1/2	3,645.19	1/2	3,401.27	1/2	3,041.26	1/2	2,682.84				
3/4	3/4	3/4	4,413.50	3/4	4,221.51	3/4	4,028.30	3/4	3,834.73	3/4	3,641.16	3/4	3,393.76	3/4	3,033.79	3/4	2,675.35				
10		10	4,409.53	10	4,217.49	10	4,024.26	10	3,830.69	10	3,637.12	10	3,386.25	10	3,026.32	10	2,667.86				
1/4	1/4	1/4	4,405.55	1/4	4,213.47	1/4	4,020.23	1/4	3,826.66	1/4	3,633.09	1/4	3,378.75	1/4	3,018.86	1/4	2,660.37				
1/2	1/2	1/2	4,401.57	1/2	4,209.45	1/2	4,016.20	1/2	3,822.63	1/2	3,629.06	1/2	3,371.24	1/2	3,011.39	1/2	2,652.88				
3/4	3/4	3/4	4,397.59	3/4	4,205.44	3/4	4,012.17	3/4	3,818.60	3/4	3,625.03	3/4	3,363.74	3/4	3,003.92	3/4	2,645.39				
11		11	4,393.62	11	4,201.42	11	4,008.13	11	3,814.56	11	3,620.99	11	3,356.23	11	2,996.46	11	2,637.90				
1/4	1/4	1/4	4,389.64	1/4	4,197.40	1/4	4,004.10	1/4	3,810.53	1/4	3,616.96	1/4	3,348.73	1/4	2,988.99	1/4	2,630.41				
1/2	1/2	1/2	4,385.67	1/2	4,193.38	1/2	4,000.07	1/2	3,806.50	1/2	3,612.93	1/2	3,341.22	1/2	2,981.52	1/2	2,622.92				
3/4	3/4	3/4	4,381.69	3/4	4,189.36	3/4	3,996.03	3/4	3,802.46	3/4	3,608.90	3/4	3,333.72	3/4	2,974.06	3/4	2,615.43				

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 54'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "KIRBY 29068"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: HBC 301

GAUGE HEIGHT 17'-02 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,607.94	0	2,248.16	0	1,887.85	0	1,527.47	0	1,167.09	0	807.15	0	446.78	0	87.12	0		0	
1/4	2,600.45	1/4	2,240.66	1/4	1,880.34	1/4	1,519.96	1/4	1,159.59	1/4	799.64	1/4	439.27	1/4	80.17	1/4		1/4	
1/2	2,592.96	1/2	2,233.15	1/2	1,872.83	1/2	1,512.45	1/2	1,152.10	1/2	792.14	1/2	431.77	1/2	73.21	1/2		1/2	
3/4	2,585.47	3/4	2,225.65	3/4	1,865.33	3/4	1,504.94	3/4	1,144.60	3/4	784.63	3/4	424.26	3/4	66.26	3/4		3/4	
1	2,577.98	1	2,218.14	1	1,857.82	1	1,497.43	1	1,137.10	1	777.12	1	416.75	1	60.47	1		1	
1/4	2,570.49	1/4	2,210.64	1/4	1,850.31	1/4	1,489.93	1/4	1,129.60	1/4	769.61	1/4	409.24	1/4	54.68	1/4		1/4	
1/2	2,563.00	1/2	2,203.13	1/2	1,842.80	1/2	1,482.42	1/2	1,122.11	1/2	762.10	1/2	401.73	1/2	48.90	1/2		1/2	
3/4	2,555.51	3/4	2,195.63	3/4	1,835.29	3/4	1,474.91	3/4	1,114.61	3/4	754.60	3/4	394.23	3/4	43.11	3/4		3/4	
2	2,548.02	2	2,188.12	2	1,827.79	2	1,467.40	2	1,107.11	2	747.09	2	386.72	2	38.58	2		2	
1/4	2,540.53	1/4	2,180.62	1/4	1,820.28	1/4	1,459.89	1/4	1,099.62	1/4	739.58	1/4	379.21	1/4	34.04	1/4		1/4	
1/2	2,533.04	1/2	2,173.11	1/2	1,812.77	1/2	1,452.39	1/2	1,092.12	1/2	732.07	1/2	371.70	1/2	29.50	1/2		1/2	
3/4	2,525.55	3/4	2,165.61	3/4	1,805.26	3/4	1,444.88	3/4	1,084.62	3/4	724.57	3/4	364.20	3/4	24.97	3/4		3/4	
3	2,518.06	3	2,158.10	3	1,797.75	3	1,437.37	3	1,077.13	3	717.06	3	356.69	3		3		3	
1/4	2,510.57	1/4	2,150.60	1/4	1,790.25	1/4	1,429.86	1/4	1,069.63	1/4	709.55	1/4	349.18	1/4		1/4		1/4	
1/2	2,503.08	1/2	2,143.09	1/2	1,782.74	1/2	1,422.35	1/2	1,062.13	1/2	702.04	1/2	341.67	1/2		1/2		1/2	
3/4	2,495.59	3/4	2,135.59	3/4	1,775.23	3/4	1,414.85	3/4	1,054.64	3/4	694.53	3/4	334.17	3/4		3/4		3/4	
4	2,488.10	4	2,128.08	4	1,767.72	4	1,407.34	4	1,047.14	4	687.03	4	326.66	4		4		4	
1/4	2,480.60	1/4	2,120.58	1/4	1,760.21	1/4	1,399.83	1/4	1,039.64	1/4	679.52	1/4	319.15	1/4		1/4		1/4	
1/2	2,473.11	1/2	2,113.08	1/2	1,752.71	1/2	1,392.32	1/2	1,032.15	1/2	672.01	1/2	311.64	1/2		1/2		1/2	
3/4	2,465.62	3/4	2,105.57	3/4	1,745.20	3/4	1,384.81	3/4	1,024.65	3/4	664.50	3/4	304.13	3/4		3/4		3/4	
5	2,458.13	5	2,098.07	5	1,737.69	5	1,377.31	5	1,017.15	5	657.00	5	296.63	5		5		5	
1/4	2,450.64	1/4	2,090.56	1/4	1,730.18	1/4	1,369.80	1/4	1,009.66	1/4	649.49	1/4	289.12	1/4		1/4		1/4	
1/2	2,443.15	1/2	2,083.06	1/2	1,722.67	1/2	1,362.29	1/2	1,002.16	1/2	641.98	1/2	281.61	1/2		1/2		1/2	
3/4	2,435.66	3/4	2,075.55	3/4	1,715.17	3/4	1,354.78	3/4	994.66	3/4	634.47	3/4	274.10	3/4		3/4		3/4	
6	2,428.17	6	2,068.04	6	1,707.66	6	1,347.27	6	987.17	6	626.97	6	266.60	6		6		6	
1/4	2,420.68	1/4	2,060.53	1/4	1,700.15	1/4	1,339.77	1/4	979.67	1/4	619.46	1/4	259.09	1/4		1/4		1/4	
1/2	2,413.19	1/2	2,053.03	1/2	1,692.64	1/2	1,332.26	1/2	972.17	1/2	611.95	1/2	251.58	1/2		1/2		1/2	
3/4	2,405.70	3/4	2,045.52	3/4	1,685.13	3/4	1,324.75	3/4	964.68	3/4	604.44	3/4	244.07	3/4		3/4		3/4	
7	2,398.21	7	2,038.01	7	1,677.63	7	1,317.24	7	957.18	7	596.93	7	236.57	7		7		7	
1/4	2,390.72	1/4	2,030.50	1/4	1,670.12	1/4	1,309.73	1/4	949.68	1/4	589.43	1/4	229.06	1/4		1/4		1/4	
1/2	2,383.23	1/2	2,022.99	1/2	1,662.61	1/2	1,302.23	1/2	942.19	1/2	581.92	1/2	221.55	1/2		1/2		1/2	
3/4	2,375.74	3/4	2,015.49	3/4	1,655.10	3/4	1,294.72	3/4	934.69	3/4	574.41	3/4	214.04	3/4		3/4		3/4	
8	2,368.24	8	2,007.98	8	1,647.59	8	1,287.21	8	927.19	8	566.90	8	206.53	8		8		8	
1/4	2,360.73	1/4	2,000.47	1/4	1,640.09	1/4	1,279.70	1/4	919.70	1/4	559.40	1/4	199.03	1/4		1/4		1/4	
1/2	2,353.23	1/2	1,992.96	1/2	1,632.58	1/2	1,272.19	1/2	912.20	1/2	551.89	1/2	191.52	1/2		1/2		1/2	
3/4	2,345.73	3/4	1,985.45	3/4	1,625.07	3/4	1,264.69	3/4	904.70	3/4	544.38	3/4	184.01	3/4		3/4		3/4	
9	2,338.22	9	1,977.95	9	1,617.56	9	1,257.18	9	897.21	9	536.87	9	176.50	9		9		9	
1/4	2,330.72	1/4	1,970.44	1/4	1,610.05	1/4	1,249.67	1/4	889.71	1/4	529.37	1/4	169.00	1/4		1/4		1/4	
1/2	2,323.21	1/2	1,962.93	1/2	1,602.55	1/2	1,242.16	1/2	882.21	1/2	521.86	1/2	161.49	1/2		1/2		1/2	
3/4	2,315.71	3/4	1,955.42	3/4	1,595.04	3/4	1,234.65	3/4	874.72	3/4	514.35	3/4	153.98	3/4		3/4		3/4	
10	2,308.20	10	1,947.91	10	1,587.53	10	1,227.15	10	867.21	10	506.84	10	146.48	10		10		10	
1/4	2,300.70	1/4	1,940.41	1/4	1,580.02	1/4	1,219.64	1/4	859.70	1/4	499.33	1/4	138.98	1/4		1/4		1/4	
1/2	2,293.19	1/2	1,932.90	1/2	1,572.51	1/2	1,212.13	1/2	852.20	1/2	491.83	1/2	131.48	1/2		1/2		1/2	
3/4	2,285.69	3/4	1,925.39	3/4	1,565.01	3/4	1,204.62	3/4	844.69	3/4	484.32	3/4	123.98	3/4		3/4		3/4	
11	2,278.18	11	1,917.88	11	1,557.50	11	1,197.11	11	837.18	11	476.81	11	116.51	11		11		11	
1/4	2,270.68	1/4	1,910.37	1/4	1,549.99	1/4	1,189.61	1/4	829.67	1/4	469.30	1/4	109.03	1/4		1/4		1/4	
1/2	2,263.17	1/2	1,902.87	1/2	1,542.48	1/2	1,182.10	1/2	822.17	1/2	461.80	1/2	101.55	1/2		1/2		1/2	
3/4	2,255.67	3/4	1,895.36	3/4	1,534.97	3/4	1,174.59	3/4	814.66	3/4	454.29	3/4	94.08	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/13/2011 PMA
RECALCULATED: 08/25/2021 PMA
NAME CHANGE: 08/25/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2021

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "KIRBY 29068"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: HBC 301

GAUGE HEIGHT 17'-03"

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	4,358.17	0	4,165.84	0	3,972.51	0	3,778.94	0	3,585.38	0	3,310.53	0	2,951.54		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,354.20	1/4	4,161.83	1/4	3,968.48	1/4	3,774.91	1/4	3,581.34	1/4	3,303.03	1/4	2,944.08		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,350.22	1/2	4,157.81	1/2	3,964.45	1/2	3,770.88	1/2	3,577.31	1/2	3,295.54	1/2	2,936.63		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,346.25	3/4	4,153.79	3/4	3,960.42	3/4	3,766.85	3/4	3,573.28	3/4	3,288.05	3/4	2,929.17		
1		1		1		1	4,342.27	1	4,149.77	1	3,956.38	1	3,762.81	1	3,569.24	1	3,280.56	1	2,921.72		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,338.30	1/4	4,145.75	1/4	3,952.35	1/4	3,758.78	1/4	3,565.21	1/4	3,273.07	1/4	2,914.26		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,334.32	1/2	4,141.73	1/2	3,948.32	1/2	3,754.75	1/2	3,561.18	1/2	3,265.58	1/2	2,906.80		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,330.35	3/4	4,137.72	3/4	3,944.29	3/4	3,750.72	3/4	3,557.15	3/4	3,258.09	3/4	2,899.35		
2		2		2		2	4,326.37	2	4,133.70	2	3,940.25	2	3,746.68	2	3,553.11	2	3,250.59	2	2,891.89		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,322.40	1/4	4,129.68	1/4	3,936.22	1/4	3,742.65	1/4	3,549.08	1/4	3,243.10	1/4	2,884.45		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,318.42	1/2	4,125.66	1/2	3,932.19	1/2	3,738.62	1/2	3,545.05	1/2	3,235.61	1/2	2,877.01		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,314.45	3/4	4,121.64	3/4	3,928.15	3/4	3,734.59	3/4	3,541.02	3/4	3,228.12	3/4	2,869.56		
3		3		3		3	4,310.47	3	4,117.63	3	3,924.12	3	3,730.55	3	3,536.98	3	3,220.63	3	2,862.12		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,306.46	1/4	4,113.61	1/4	3,920.09	1/4	3,726.52	1/4	3,532.95	1/4	3,213.14	1/4	2,854.68		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,302.45	1/2	4,109.59	1/2	3,916.06	1/2	3,722.49	1/2	3,528.92	1/2	3,205.65	1/2	2,847.24		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,298.44	3/4	4,105.57	3/4	3,912.02	3/4	3,718.45	3/4	3,524.88	3/4	3,198.16	3/4	2,839.80		
4		4		4		4	4,294.42	4	4,101.55	4	3,907.99	4	3,714.42	4	3,520.85	4	3,190.66	4	2,832.36		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,290.40	1/4	4,097.52	1/4	3,903.96	1/4	3,710.39	1/4	3,516.82	1/4	3,183.17	1/4	2,824.92		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,286.39	1/2	4,093.49	1/2	3,899.93	1/2	3,706.36	1/2	3,512.79	1/2	3,175.68	1/2	2,817.47		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,282.37	3/4	4,089.46	3/4	3,895.89	3/4	3,702.32	3/4	3,508.75	3/4	3,168.19	3/4	2,810.03		
5		5		5		5	4,278.35	5	4,085.43	5	3,891.86	5	3,698.29	5	3,504.72	5	3,160.70	5	2,802.59		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,274.33	1/4	4,081.40	1/4	3,887.83	1/4	3,694.26	1/4	3,500.69	1/4	3,153.21	1/4	2,795.15		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,270.31	1/2	4,077.36	1/2	3,883.80	1/2	3,690.23	1/2	3,496.66	1/2	3,145.72	1/2	2,787.71		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,266.30	3/4	4,073.33	3/4	3,879.76	3/4	3,686.19	3/4	3,492.62	3/4	3,138.22	3/4	2,780.27		
6		6		6		6	4,262.28	6	4,069.30	6	3,875.73	6	3,682.16	6	3,488.59	6	3,130.73	6	2,772.83		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,258.26	1/4	4,065.27	1/4	3,871.70	1/4	3,678.13	1/4	3,484.53	1/4	3,123.24	1/4	2,765.39		
1/2	1/2	1/2	4,421.14	1/2	4,254.24	1/2	4,061.23	1/2	4,061.23	1/2	3,867.66	1/2	3,674.09	1/2	3,474.47	1/2	3,115.75	1/2	2,757.95		
3/4	3/4	3/4	4,421.06	3/4	4,250.22	3/4	4,057.20	3/4	4,057.20	3/4	3,863.63	3/4	3,670.06	3/4	3,467.41	3/4	3,108.26	3/4	2,750.51		
7		7		7		7	4,420.98	7	4,246.21	7	4,053.17	7	3,859.60	7	3,666.03	7	3,460.35	7	3,100.77	7	2,743.08
1/4	1/4	1/4	4,419.65	1/4	4,242.19	1/4	4,049.14	1/4	4,049.14	1/4	3,855.57	1/4	3,662.00	1/4	3,452.86	1/4	3,093.28	1/4	2,735.60		
1/2	1/2	1/2	4,418.32	1/2	4,238.17	1/2	4,045.10	1/2	4,045.10	1/2	3,851.53	1/2	3,657.96	1/2	3,445.37	1/2	3,085.78	1/2	2,728.13		
3/4	3/4	3/4	4,416.99	3/4	4,234.15	3/4	4,041.07	3/4	4,041.07	3/4	3,847.50	3/4	3,653.93	3/4	3,437.88	3/4	3,078.29	3/4	2,720.66		
8		8		8		8	4,415.65	8	4,230.13	8	4,037.04	8	3,843.47	8	3,649.90	8	3,430.39	8	3,070.80	8	2,713.19
1/4	1/4	1/4	4,413.07	1/4	4,226.11	1/4	4,033.01	1/4	4,033.01	1/4	3,839.44	1/4	3,645.87	1/4	3,422.90	1/4	3,063.34	1/4	2,705.72		
1/2	1/2	1/2	4,410.49	1/2	4,222.10	1/2	4,028.97	1/2	4,028.97	1/2	3,835.40	1/2	3,641.83	1/2	3,415.41	1/2	3,055.89	1/2	2,698.24		
3/4	3/4	3/4	4,407.90	3/4	4,218.08	3/4	4,024.94	3/4	4,024.94	3/4	3,831.37	3/4	3,637.80	3/4	3,407.91	3/4	3,048.43	3/4	2,690.77		
9		9		9		9	4,405.32	9	4,214.06	9	4,020.91	9	3,827.34	9	3,633.77	9	3,400.42	9	3,040.97	9	2,683.29
1/4	1/4	1/4	4,401.48	1/4	4,210.04	1/4	4,016.87	1/4	4,016.87	1/4	3,823.30	1/4	3,629.74	1/4	3,392.93	1/4	3,033.52	1/4	2,675.81		
1/2	1/2	1/2	4,397.65	1/2	4,206.02	1/2	4,012.84	1/2	4,012.84	1/2	3,819.27	1/2	3,625.70	1/2	3,385.44	1/2	3,026.07	1/2	2,668.34		
3/4	3/4	3/4	4,393.82	3/4	4,202.01	3/4	4,008.81	3/4	4,008.81	3/4	3,815.24	3/4	3,621.67	3/4	3,377.95	3/4	3,018.61	3/4	2,660.86		
10		10		10		10	4,389.98	10	4,197.99	10	4,004.78	10	3,811.21	10	3,617.64	10	3,370.46	10	3,011.16	10	2,653.39
1/4	1/4	1/4	4,386.01	1/4	4,193.97	1/4	4,000.74	1/4	4,000.74	1/4	3,807.17	1/4	3,613.60	1/4	3,362.97	1/4	3,003.71	1/4	2,645.91		
1/2	1/2	1/2	4,382.03	1/2	4,189.95	1/2	3,996.71	1/2	3,996.71	1/2	3,803.14	1/2	3,609.57	1/2	3,355.47	1/2	2,996.25	1/2	2,638.44		
3/4	3/4	3/4	4,378.05	3/4	4,185.93	3/4	3,992.68	3/4	3,992.68	3/4	3,799.11	3/4	3,605.54	3/4	3,347.98	3/4	2,988.80	3/4	2,630.96		
11		11		11		11	4,374.07	11	4,181.92	11	3,988.65	11	3,795.08	11	3,601.51	11	3,340.49	11	2,981.35	11	2,623.49
1/4	1/4	1/4	4,370.10	1/4	4,177.90	1/4	4,177.90	1/4	3,984.61	1/4	3,791.04	1/4	3,597.47	1/4	3,333.00	1/4	2,973.90	1/4	2,616.01		
1/2	1/2	1/2	4,366.12	1/2	4,173.88	1/2	4,173.88	1/2	3,980.58	1/2	3,787.01	1/2	3,593.44	1/2	3,325.51	1/2	2,966.44	1/2	2,608.54		
3/4	3/4	3/4	4,362.15	3/4	4,169.86	3/4	4,169.86	3/4	3,976.55	3/4	3,782.98	3/4	3,589.41	3/4	3,318.02	3/4	2,958.99	3/4	2,601.06		

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 54'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "KIRBY 29068"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: HBC 301

GAUGE HEIGHT 17'-03"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	2,593.58	0	2,234.49	0	1,874.85	0	1,515.14	0	1,156.98	0	809.58	0	453.55	0	93.90	0		0	
1/4	2,586.11	1/4	2,227.00	1/4	1,867.36	1/4	1,507.65	1/4	1,149.72	1/4	802.33	1/4	446.05	1/4	86.95	1/4		1/4	
1/2	2,578.63	1/2	2,219.51	1/2	1,859.87	1/2	1,500.15	1/2	1,142.47	1/2	795.08	1/2	438.56	1/2	79.99	1/2		1/2	
3/4	2,571.16	3/4	2,212.02	3/4	1,852.37	3/4	1,492.66	3/4	1,135.22	3/4	787.83	3/4	431.06	3/4	73.04	3/4		3/4	
1	2,563.68	1	2,204.53	1	1,844.88	1	1,485.17	1	1,127.96	1	780.57	1	423.56	1	66.09	1		1	
1/4	2,556.20	1/4	2,197.04	1/4	1,837.38	1/4	1,477.67	1/4	1,120.71	1/4	773.32	1/4	416.07	1/4	60.31	1/4		1/4	
1/2	2,548.73	1/2	2,189.55	1/2	1,829.89	1/2	1,470.18	1/2	1,113.46	1/2	766.07	1/2	408.57	1/2	54.53	1/2		1/2	
3/4	2,541.25	3/4	2,182.06	3/4	1,822.40	3/4	1,462.68	3/4	1,106.21	3/4	758.82	3/4	401.08	3/4	48.75	3/4		3/4	
2	2,533.77	2	2,174.57	2	1,814.90	2	1,455.19	2	1,098.95	2	751.56	2	393.58	2	42.98	2		2	
1/4	2,526.30	1/4	2,167.08	1/4	1,807.41	1/4	1,447.70	1/4	1,091.70	1/4	744.29	1/4	386.08	1/4	38.46	1/4		1/4	
1/2	2,518.82	1/2	2,159.58	1/2	1,799.91	1/2	1,440.20	1/2	1,084.45	1/2	737.01	1/2	378.59	1/2	33.95	1/2		1/2	
3/4	2,511.35	3/4	2,152.09	3/4	1,792.42	3/4	1,432.71	3/4	1,077.20	3/4	729.73	3/4	371.09	3/4	29.43	3/4		3/4	
3	2,503.87	3	2,144.60	3	1,784.93	3	1,425.21	3	1,069.95	3	722.45	3	363.60	3	24.91	3		3	
1/4	2,496.39	1/4	2,137.11	1/4	1,777.43	1/4	1,417.72	1/4	1,062.69	1/4	715.16	1/4	356.10	1/4		1/4		1/4	
1/2	2,488.92	1/2	2,129.62	1/2	1,769.94	1/2	1,410.23	1/2	1,055.44	1/2	707.88	1/2	348.60	1/2		1/2		1/2	
3/4	2,481.44	3/4	2,122.13	3/4	1,762.44	3/4	1,402.73	3/4	1,048.18	3/4	700.60	3/4	341.11	3/4		3/4		3/4	
4	2,473.96	4	2,114.64	4	1,754.95	4	1,395.24	4	1,040.93	4	693.32	4	333.61	4		4		4	
1/4	2,466.49	1/4	2,107.15	1/4	1,747.46	1/4	1,387.74	1/4	1,033.70	1/4	685.85	1/4	326.11	1/4		1/4		1/4	
1/2	2,459.01	1/2	2,099.66	1/2	1,739.96	1/2	1,380.25	1/2	1,026.47	1/2	678.38	1/2	318.62	1/2		1/2		1/2	
3/4	2,451.53	3/4	2,092.17	3/4	1,732.47	3/4	1,372.76	3/4	1,019.25	3/4	670.91	3/4	311.12	3/4		3/4		3/4	
5	2,444.06	5	2,084.68	5	1,724.97	5	1,365.26	5	1,012.02	5	663.44	5	303.63	5		5		5	
1/4	2,436.58	1/4	2,077.18	1/4	1,717.48	1/4	1,357.80	1/4	1,004.79	1/4	655.94	1/4	296.13	1/4		1/4		1/4	
1/2	2,429.11	1/2	2,069.69	1/2	1,709.99	1/2	1,350.33	1/2	997.57	1/2	648.45	1/2	288.63	1/2		1/2		1/2	
3/4	2,421.63	3/4	2,062.20	3/4	1,702.49	3/4	1,342.86	3/4	990.34	3/4	640.95	3/4	281.14	3/4		3/4		3/4	
6	2,414.15	6	2,054.71	6	1,695.00	6	1,335.39	6	983.12	6	633.45	6	273.64	6		6		6	
1/4	2,406.68	1/4	2,047.22	1/4	1,687.50	1/4	1,327.93	1/4	975.89	1/4	625.96	1/4	266.15	1/4		1/4		1/4	
1/2	2,399.20	1/2	2,039.72	1/2	1,680.01	1/2	1,320.47	1/2	968.67	1/2	618.46	1/2	258.65	1/2		1/2		1/2	
3/4	2,391.72	3/4	2,032.23	3/4	1,672.52	3/4	1,313.01	3/4	961.44	3/4	610.97	3/4	251.15	3/4		3/4		3/4	
7	2,384.25	7	2,024.73	7	1,665.02	7	1,305.54	7	954.22	7	603.47	7	243.66	7		7		7	
1/4	2,376.77	1/4	2,017.24	1/4	1,657.53	1/4	1,298.08	1/4	946.99	1/4	595.97	1/4	236.16	1/4		1/4		1/4	
1/2	2,369.29	1/2	2,009.75	1/2	1,650.03	1/2	1,290.62	1/2	939.77	1/2	588.48	1/2	228.67	1/2		1/2		1/2	
3/4	2,361.82	3/4	2,002.25	3/4	1,642.54	3/4	1,283.15	3/4	932.54	3/4	580.98	3/4	221.17	3/4		3/4		3/4	
8	2,354.34	8	1,994.76	8	1,635.05	8	1,275.69	8	925.32	8	573.49	8	213.67	8		8		8	
1/4	2,346.85	1/4	1,987.26	1/4	1,627.55	1/4	1,268.23	1/4	918.09	1/4	565.99	1/4	206.18	1/4		1/4		1/4	
1/2	2,339.36	1/2	1,979.77	1/2	1,620.06	1/2	1,260.76	1/2	910.87	1/2	558.49	1/2	198.68	1/2		1/2		1/2	
3/4	2,331.87	3/4	1,972.28	3/4	1,612.56	3/4	1,253.30	3/4	903.64	3/4	551.00	3/4	191.19	3/4		3/4		3/4	
9	2,324.38	9	1,964.78	9	1,605.07	9	1,245.84	9	896.42	9	543.50	9	183.69	9		9		9	
1/4	2,316.89	1/4	1,957.29	1/4	1,597.58	1/4	1,238.37	1/4	889.20	1/4	536.01	1/4	176.20	1/4		1/4		1/4	
1/2	2,309.40	1/2	1,949.79	1/2	1,590.08	1/2	1,230.91	1/2	881.97	1/2	528.51	1/2	168.70	1/2		1/2		1/2	
3/4	2,301.91	3/4	1,942.30	3/4	1,582.59	3/4	1,223.45	3/4	874.75	3/4	521.01	3/4	161.20	3/4		3/4		3/4	
10	2,294.42	10	1,934.81	10	1,575.09	10	1,215.98	10	867.52	10	513.52	10	153.71	10		10		10	
1/4	2,286.93	1/4	1,927.31	1/4	1,567.60	1/4	1,208.52	1/4	860.29	1/4	506.02	1/4	146.22	1/4		1/4		1/4	
1/2	2,279.44	1/2	1,919.82	1/2	1,560.11	1/2	1,201.06	1/2	853.05	1/2	498.53	1/2	138.73	1/2		1/2		1/2	
3/4	2,271.95	3/4	1,912.32	3/4	1,552.61	3/4	1,193.59	3/4	845.82	3/4	491.03	3/4	131.25	3/4		3/4		3/4	
11	2,264.46	11	1,904.83	11	1,545.12	11	1,186.13	11	838.58	11	483.53	11	123.76	11		11		11	
1/4	2,256.97	1/4	1,897.34	1/4	1,537.62	1/4	1,178.84	1/4	831.33	1/4	476.04	1/4	116.29	1/4		1/4		1/4	
1/2	2,249.48	1/2	1,889.84	1/2	1,530.13	1/2	1,171.55	1/2	824.08	1/2	468.54	1/2	108.83	1/2		1/2		1/2	
3/4	2,241.98	3/4	1,882.35	3/4	1,522.64	3/4	1,164.26	3/4	816.83	3/4	461.04	3/4	101.36	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/13/2011 PMA
RECALCULATED: 08/25/2021 PMA
NAME CHANGE: 08/25/2021 PMA

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2021

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "KIRBY 29068"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT: 4'-02 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	108	0	273	0	435	0		0		0		0		0		0	
1/4	1	1/4	111	1/4	277	1/4	438	1/4	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	114	1/2	280	1/2	441	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	117	3/4	284	3/4	444	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	120	1	288	1	447	1	1	1	1	1	1	1	1	1	1	1	1
1/4	4	1/4	124	1/4	291	1/4	449	1/4	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	127	1/2	295	1/2	452	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	130	3/4	298	3/4	455	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	133	2	302	2	458	2	2	2	2	2	2	2	2	2	2	2	2
1/4	9	1/4	137	1/4	305	1/4	460	1/4	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	140	1/2	309	1/2	463	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	143	3/4	313	3/4	466	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	147	3	316	3	468	3	3	3	3	3	3	3	3	3	3	3	3
1/4	16	1/4	150	1/4	320	1/4	471	1/4	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	153	1/2	323	1/2	473	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	157	3/4	327	3/4	476	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	160	4	330	4	478	4	4	4	4	4	4	4	4	4	4	4	4
1/4	24	1/4	164	1/4	334	1/4	481	1/4	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	167	1/2	337	1/2	483	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	28	3/4	171	3/4	341	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
5	30	5	174	5	344	5	488	5	5	5	5	5	5	5	5	5	5	5	5
1/4	33	1/4	177	1/4	347	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	35	1/2	181	1/2	351	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	37	3/4	184	3/4	354	3/4	494	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	188	6	358	6	496	6	6	6	6	6	6	6	6	6	6	6	6
1/4	42	1/4	191	1/4	361	1/4	498	1/4	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	195	1/2	365	1/2	500	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	47	3/4	198	3/4	368	3/4	502	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	202	7	371	7	504	7	7	7	7	7	7	7	7	7	7	7	7
1/4	52	1/4	205	1/4	375	1/4	505	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	55	1/2	209	1/2	378	1/2	507	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	213	3/4	381	3/4	509	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	60	8	216	8	385	8	510	8	8	8	8	8	8	8	8	8	8	8	8
1/4	63	1/4	220	1/4	388	1/4	511	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	66	1/2	223	1/2	391	1/2	513	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	227	3/4	394	3/4	514	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	71	9	230	9	398	9	515	9	9	9	9	9	9	9	9	9	9	9	9
1/4	74	1/4	234	1/4	401	1/4	516	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77	1/2	238	1/2	404	1/2	517	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	80	3/4	241	3/4	407	3/4	517	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	83	10	245	10	410	10	518	10	10	10	10	10	10	10	10	10	10	10	10
1/4	86	1/4	248	1/4	414	1/4		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	89	1/2	252	1/2	417	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	92	3/4	255	3/4	420	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	95	11	259	11	423	11		11	11	11	11	11	11	11	11	11	11	11	11
1/4	98	1/4	263	1/4	426	1/4		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	101	1/2	266	1/2	429	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	104	3/4	270	3/4	432	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 AT GAUGE POINT.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.

STRAPPED: 08/24/2021 JS
CALCULATED: 08/24/2021 CL
PRINTED: 08/24/2021 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 08/2021

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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