



# BARGE "KIRBY 29071"

ULLAGE TRIM TABLE  
FORMERLY "HBC 304"

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

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

LENGTH BETWEEN DRAFT MARKS: 253'-09"

June 5, 2023

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "KIRBY 29071"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 304"

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	5,111.07	0	4,775.42	0	4,420.48	0	4,057.81	0	3,695.15	0	3,332.49	0	2,969.82
1/4		1/4		1/4		1/4	5,104.32	1/4	4,768.24	1/4	4,412.92	1/4	4,050.26	1/4	3,687.59	1/4	3,324.93	1/4	2,962.27
1/2		1/2		1/2		1/2	5,097.53	1/2	4,761.02	1/2	4,405.37	1/2	4,042.70	1/2	3,680.04	1/2	3,317.37	1/2	2,954.71
3/4		3/4		3/4		3/4	5,090.75	3/4	4,753.81	3/4	4,397.81	3/4	4,035.15	3/4	3,672.48	3/4	3,309.82	3/4	2,947.15
1		1		1		1	5,083.96	1	4,746.60	1	4,390.26	1	4,027.59	1	3,664.93	1	3,302.26	1	2,939.60
1/4		1/4		1/4		1/4	5,077.18	1/4	4,739.38	1/4	4,382.70	1/4	4,020.04	1/4	3,657.37	1/4	3,294.71	1/4	2,932.04
1/2		1/2		1/2		1/2	5,070.36	1/2	4,732.11	1/2	4,375.14	1/2	4,012.48	1/2	3,649.82	1/2	3,287.15	1/2	2,924.49
3/4		3/4		3/4		3/4	5,063.55	3/4	4,724.84	3/4	4,367.59	3/4	4,004.92	3/4	3,642.26	3/4	3,279.60	3/4	2,916.93
2		2		2		2	5,056.73	2	4,717.57	2	4,360.03	2	3,997.37	2	3,634.71	2	3,272.04	2	2,909.38
1/4		1/4		1/4		1/4	5,049.92	1/4	4,710.30	1/4	4,352.48	1/4	3,989.81	1/4	3,627.15	1/4	3,264.49	1/4	2,901.82
1/2		1/2		1/2		1/2	5,043.07	1/2	4,703.00	1/2	4,344.92	1/2	3,982.26	1/2	3,619.59	1/2	3,256.93	1/2	2,894.27
3/4		3/4		3/4		3/4	5,036.23	3/4	4,695.69	3/4	4,337.37	3/4	3,974.70	3/4	3,612.04	3/4	3,249.37	3/4	2,886.71
3		3		3		3	5,029.38	3	4,688.39	3	4,329.81	3	3,967.15	3	3,604.48	3	3,241.82	3	2,879.16
1/4		1/4		1/4		1/4	5,022.54	1/4	4,681.09	1/4	4,322.26	1/4	3,959.59	1/4	3,596.93	1/4	3,234.26	1/4	2,871.60
1/2		1/2		1/2		1/2	5,015.59	1/2	4,673.76	1/2	4,314.70	1/2	3,952.04	1/2	3,589.37	1/2	3,226.71	1/2	2,864.04
3/4		3/4		3/4		3/4	5,008.65	3/4	4,666.43	3/4	4,307.14	3/4	3,944.48	3/4	3,581.82	3/4	3,219.15	3/4	2,856.49
4		4		4		4	5,001.70	4	4,659.10	4	4,299.59	4	3,936.93	4	3,574.26	4	3,211.60	4	2,848.93
1/4		1/4		1/4		1/4	4,994.75	1/4	4,651.76	1/4	4,292.03	1/4	3,929.37	1/4	3,566.71	1/4	3,204.04	1/4	2,841.38
1/2		1/2		1/2		1/2	4,987.78	1/2	4,644.40	1/2	4,284.48	1/2	3,921.81	1/2	3,559.15	1/2	3,196.49	1/2	2,833.82
3/4		3/4		3/4		3/4	4,980.80	3/4	4,637.04	3/4	4,276.92	3/4	3,914.26	3/4	3,551.59	3/4	3,188.93	3/4	2,826.27
5		5		5		5	4,973.82	5	4,629.68	5	4,269.37	5	3,906.70	5	3,544.04	5	3,181.38	5	2,818.71
1/4		1/4		1/4		1/4	4,966.85	1/4	4,622.32	1/4	4,261.81	1/4	3,899.15	1/4	3,536.48	1/4	3,173.82	1/4	2,811.16
1/2		1/2		1/2		1/2	4,959.84	1/2	4,614.93	1/2	4,254.26	1/2	3,891.59	1/2	3,528.93	1/2	3,166.26	1/2	2,803.60
3/4		3/4		3/4		3/4	4,952.84	3/4	4,607.54	3/4	4,246.70	3/4	3,884.04	3/4	3,521.37	3/4	3,158.71	3/4	2,796.04
6		6		6		6	4,945.84	6	4,600.15	6	4,239.15	6	3,876.48	6	3,513.82	6	3,151.15	6	2,788.49
1/4		1/4		1/4	5,248.58	1/4	4,938.83	1/4	4,592.75	1/4	4,231.59	1/4	3,868.93	1/4	3,506.26	1/4	3,143.60	1/4	2,780.93
1/2		1/2		1/2	5,244.24	1/2	4,931.80	1/2	4,585.33	1/2	4,224.03	1/2	3,861.37	1/2	3,498.71	1/2	3,136.04	1/2	2,773.38
3/4		3/4		3/4	5,239.91	3/4	4,924.77	3/4	4,577.91	3/4	4,216.48	3/4	3,853.81	3/4	3,491.15	3/4	3,128.49	3/4	2,765.82
7		7		7	5,235.57	7	4,917.73	7	4,570.49	7	4,208.92	7	3,846.26	7	3,483.60	7	3,120.93	7	2,758.27
1/4		1/4		1/4	5,231.24	1/4	4,910.70	1/4	4,563.07	1/4	4,201.37	1/4	3,838.70	1/4	3,476.04	1/4	3,113.38	1/4	2,750.71
1/2		1/2		1/2	5,225.67	1/2	4,903.64	1/2	4,555.62	1/2	4,193.81	1/2	3,831.15	1/2	3,468.48	1/2	3,105.82	1/2	2,743.16
3/4		3/4		3/4	5,220.10	3/4	4,896.57	3/4	4,548.17	3/4	4,186.26	3/4	3,823.59	3/4	3,460.93	3/4	3,098.26	3/4	2,735.60
8		8		8	5,214.54	8	4,889.51	8	4,540.72	8	4,178.70	8	3,816.04	8	3,453.37	8	3,090.71	8	2,728.05
1/4		1/4		1/4	5,208.97	1/4	4,882.44	1/4	4,533.27	1/4	4,171.15	1/4	3,808.48	1/4	3,445.82	1/4	3,083.15	1/4	2,720.49
1/2		1/2		1/2	5,202.94	1/2	4,875.35	1/2	4,525.79	1/2	4,163.59	1/2	3,800.93	1/2	3,438.26	1/2	3,075.60	1/2	2,712.93
3/4		3/4		3/4	5,196.90	3/4	4,868.26	3/4	4,518.30	3/4	4,156.03	3/4	3,793.37	3/4	3,430.71	3/4	3,068.04	3/4	2,705.38
9		9		9	5,190.87	9	4,861.16	9	4,510.82	9	4,148.48	9	3,785.82	9	3,423.15	9	3,060.49	9	2,697.82
1/4		1/4		1/4	5,184.83	1/4	4,854.07	1/4	4,503.34	1/4	4,140.92	1/4	3,778.26	1/4	3,415.60	1/4	3,052.93	1/4	2,690.27
1/2		1/2		1/2	5,178.17	1/2	4,846.95	1/2	4,495.83	1/2	4,133.37	1/2	3,770.70	1/2	3,408.04	1/2	3,045.38	1/2	2,682.71
3/4		3/4		3/4	5,171.51	3/4	4,839.83	3/4	4,488.32	3/4	4,125.81	3/4	3,763.15	3/4	3,400.48	3/4	3,037.82	3/4	2,675.16
10		10		10	5,164.85	10	4,832.70	10	4,480.81	10	4,118.26	10	3,755.59	10	3,392.93	10	3,030.27	10	2,667.60
1/4		1/4		1/4	5,158.20	1/4	4,825.58	1/4	4,473.30	1/4	4,110.70	1/4	3,748.04	1/4	3,385.37	1/4	3,022.71	1/4	2,660.05
1/2		1/2		1/2	5,151.48	1/2	4,818.43	1/2	4,465.76	1/2	4,103.15	1/2	3,740.48	1/2	3,377.82	1/2	3,015.15	1/2	2,652.49
3/4		3/4		3/4	5,144.77	3/4	4,811.27	3/4	4,458.22	3/4	4,095.59	3/4	3,732.93	3/4	3,370.26	3/4	3,007.60	3/4	2,644.93
11		11		11	5,138.05	11	4,804.12	11	4,450.68	11	4,088.04	11	3,725.37	11	3,362.71	11	3,000.04	11	2,637.38
1/4		1/4		1/4	5,131.34	1/4	4,796.97	1/4	4,443.14	1/4	4,080.48	1/4	3,717.82	1/4	3,355.15	1/4	2,992.49	1/4	2,629.82
1/2		1/2		1/2	5,124.58	1/2	4,789.78	1/2	4,435.59	1/2	4,072.92	1/2	3,710.26	1/2	3,347.60	1/2	2,984.93	1/2	2,622.27
3/4		3/4		3/4	5,117.83	3/4	4,782.60	3/4	4,428.03	3/4	4,065.37	3/4	3,702.70	3/4	3,340.04	3/4	2,977.38	3/4	2,614.71

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 10'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

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# BARGE "KIRBY 29071"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 304"

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	2,607.15	0	2,244.36	0	1,881.56	0	1,518.77	0	1,156.11	0	793.67	0	430.90	0	70.20	0		0	
1/4	2,599.59	1/4	2,236.80	1/4	1,874.00	1/4	1,511.21	1/4	1,148.56	1/4	786.12	1/4	423.34	1/4	63.28	1/4		1/4	
1/2	2,592.03	1/2	2,229.24	1/2	1,866.45	1/2	1,503.65	1/2	1,141.02	1/2	778.56	1/2	415.78	1/2	57.61	1/2		1/2	
3/4	2,584.47	3/4	2,221.68	3/4	1,858.89	3/4	1,496.09	3/4	1,133.47	3/4	771.00	3/4	408.22	3/4	51.94	3/4		3/4	
1	2,576.92	1	2,214.12	1	1,851.33	1	1,488.54	1	1,125.92	1	763.44	1	400.66	1	46.27	1		1	
1/4	2,569.36	1/4	2,206.56	1/4	1,843.77	1/4	1,480.98	1/4	1,118.38	1/4	755.89	1/4	393.11	1/4	40.60	1/4		1/4	
1/2	2,561.80	1/2	2,199.01	1/2	1,836.21	1/2	1,473.42	1/2	1,110.83	1/2	748.33	1/2	385.55	1/2	36.20	1/2		1/2	
3/4	2,554.24	3/4	2,191.45	3/4	1,828.65	3/4	1,465.86	3/4	1,103.29	3/4	740.77	3/4	377.99	3/4	31.79	3/4		3/4	
2	2,546.68	2	2,183.89	2	1,821.10	2	1,458.30	2	1,095.74	2	733.21	2	370.43	2	27.38	2		2	
1/4	2,539.13	1/4	2,176.33	1/4	1,813.54	1/4	1,450.74	1/4	1,088.19	1/4	725.65	1/4	362.87	1/4	22.97	1/4		1/4	
1/2	2,531.57	1/2	2,168.77	1/2	1,805.98	1/2	1,443.19	1/2	1,080.65	1/2	718.10	1/2	355.32	1/2		1/2		1/2	
3/4	2,524.01	3/4	2,161.22	3/4	1,798.42	3/4	1,435.63	3/4	1,073.10	3/4	710.54	3/4	347.76	3/4		3/4		3/4	
3	2,516.45	3	2,153.66	3	1,790.86	3	1,428.07	3	1,065.56	3	702.98	3	340.20	3		3		3	
1/4	2,508.89	1/4	2,146.10	1/4	1,783.31	1/4	1,420.51	1/4	1,058.01	1/4	695.42	1/4	332.64	1/4		1/4		1/4	
1/2	2,501.33	1/2	2,138.54	1/2	1,775.75	1/2	1,412.95	1/2	1,050.46	1/2	687.86	1/2	325.08	1/2		1/2		1/2	
3/4	2,493.78	3/4	2,130.98	3/4	1,768.19	3/4	1,405.40	3/4	1,042.92	3/4	680.31	3/4	317.53	3/4		3/4		3/4	
4	2,486.22	4	2,123.42	4	1,760.63	4	1,397.84	4	1,035.37	4	672.75	4	309.97	4		4		4	
1/4	2,478.66	1/4	2,115.87	1/4	1,753.07	1/4	1,390.28	1/4	1,027.83	1/4	665.19	1/4	302.41	1/4		1/4		1/4	
1/2	2,471.10	1/2	2,108.31	1/2	1,745.51	1/2	1,382.72	1/2	1,020.28	1/2	657.63	1/2	294.85	1/2		1/2		1/2	
3/4	2,463.54	3/4	2,100.75	3/4	1,737.96	3/4	1,375.16	3/4	1,012.73	3/4	650.07	3/4	287.30	3/4		3/4		3/4	
5	2,455.98	5	2,093.19	5	1,730.40	5	1,367.60	5	1,005.19	5	642.52	5	279.74	5		5		5	
1/4	2,448.43	1/4	2,085.63	1/4	1,722.84	1/4	1,360.05	1/4	997.64	1/4	634.96	1/4	272.18	1/4		1/4		1/4	
1/2	2,440.87	1/2	2,078.08	1/2	1,715.28	1/2	1,352.49	1/2	990.10	1/2	627.40	1/2	264.62	1/2		1/2		1/2	
3/4	2,433.31	3/4	2,070.52	3/4	1,707.72	3/4	1,344.93	3/4	982.55	3/4	619.84	3/4	257.06	3/4		3/4		3/4	
6	2,425.75	6	2,062.96	6	1,700.17	6	1,337.37	6	975.00	6	612.29	6	249.51	6		6		6	
1/4	2,418.19	1/4	2,055.40	1/4	1,692.61	1/4	1,329.81	1/4	967.46	1/4	604.73	1/4	241.95	1/4		1/4		1/4	
1/2	2,410.64	1/2	2,047.84	1/2	1,685.05	1/2	1,322.26	1/2	959.91	1/2	597.17	1/2	234.39	1/2		1/2		1/2	
3/4	2,403.08	3/4	2,040.28	3/4	1,677.49	3/4	1,314.70	3/4	952.37	3/4	589.61	3/4	226.83	3/4		3/4		3/4	
7	2,395.52	7	2,032.73	7	1,669.93	7	1,307.14	7	944.82	7	582.05	7	219.27	7		7		7	
1/4	2,387.96	1/4	2,025.17	1/4	1,662.37	1/4	1,299.58	1/4	937.27	1/4	574.50	1/4	211.72	1/4		1/4		1/4	
1/2	2,380.40	1/2	2,017.61	1/2	1,654.82	1/2	1,292.02	1/2	929.72	1/2	566.94	1/2	204.16	1/2		1/2		1/2	
3/4	2,372.84	3/4	2,010.05	3/4	1,647.26	3/4	1,284.46	3/4	922.16	3/4	559.38	3/4	196.60	3/4		3/4		3/4	
8	2,365.29	8	2,002.49	8	1,639.70	8	1,276.91	8	914.60	8	551.82	8	189.04	8		8		8	
1/4	2,357.73	1/4	1,994.93	1/4	1,632.14	1/4	1,269.35	1/4	907.04	1/4	544.26	1/4	181.48	1/4		1/4		1/4	
1/2	2,350.17	1/2	1,987.38	1/2	1,624.58	1/2	1,261.79	1/2	899.49	1/2	536.71	1/2	173.93	1/2		1/2		1/2	
3/4	2,342.61	3/4	1,979.82	3/4	1,617.02	3/4	1,254.23	3/4	891.93	3/4	529.15	3/4	166.37	3/4		3/4		3/4	
9	2,335.05	9	1,972.26	9	1,609.47	9	1,246.67	9	884.37	9	521.59	9	158.81	9		9		9	
1/4	2,327.50	1/4	1,964.70	1/4	1,601.91	1/4	1,239.11	1/4	876.81	1/4	514.03	1/4	151.26	1/4		1/4		1/4	
1/2	2,319.94	1/2	1,957.14	1/2	1,594.35	1/2	1,231.57	1/2	869.25	1/2	506.47	1/2	143.71	1/2		1/2		1/2	
3/4	2,312.38	3/4	1,949.59	3/4	1,586.79	3/4	1,224.02	3/4	861.70	3/4	498.92	3/4	136.16	3/4		3/4		3/4	
10	2,304.82	10	1,942.03	10	1,579.23	10	1,216.48	10	854.14	10	491.36	10	128.62	10		10		10	
1/4	2,297.26	1/4	1,934.47	1/4	1,571.68	1/4	1,208.93	1/4	846.58	1/4	483.80	1/4	121.07	1/4		1/4		1/4	
1/2	2,289.70	1/2	1,926.91	1/2	1,564.12	1/2	1,201.38	1/2	839.02	1/2	476.24	1/2	113.55	1/2		1/2		1/2	
3/4	2,282.15	3/4	1,919.35	3/4	1,556.56	3/4	1,193.84	3/4	831.46	3/4	468.68	3/4	106.02	3/4		3/4		3/4	
11	2,274.59	11	1,911.79	11	1,549.00	11	1,186.29	11	823.91	11	461.13	11	98.50	11		11		11	
1/4	2,267.03	1/4	1,904.24	1/4	1,541.44	1/4	1,178.75	1/4	816.35	1/4	453.57	1/4	90.98	1/4		1/4		1/4	
1/2	2,259.47	1/2	1,896.68	1/2	1,533.88	1/2	1,171.20	1/2	808.79	1/2	446.01	1/2	84.05	1/2		1/2		1/2	
3/4	2,251.91	3/4	1,889.12	3/4	1,526.33	3/4	1,163.65	3/4	801.23	3/4	438.45	3/4	77.13	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/25/2013 SW  
NAME CHANGE: 06/05/2023 JS  
VERIFIED: 06/05/2023

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2023

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



# BARGE "KIRBY 29071"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 304"

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	5,127.57	0	4,793.34	0	4,439.63	0	4,077.10	0	3,714.57	0	3,352.04	0	2,989.51
1/4		1/4		1/4		1/4	5,120.82	1/4	4,786.15	1/4	4,432.07	1/4	4,069.54	1/4	3,707.02	1/4	3,344.49	1/4	2,981.96
1/2		1/2		1/2		1/2	5,114.07	1/2	4,778.97	1/2	4,424.52	1/2	4,061.99	1/2	3,699.46	1/2	3,336.93	1/2	2,974.40
3/4		3/4		3/4		3/4	5,107.32	3/4	4,771.79	3/4	4,416.97	3/4	4,054.44	3/4	3,691.91	3/4	3,329.38	3/4	2,966.85
1		1		1		1	5,100.57	1	4,764.61	1	4,409.42	1	4,046.89	1	3,684.36	1	3,321.83	1	2,959.30
1/4		1/4		1/4		1/4	5,093.78	1/4	4,757.40	1/4	4,401.86	1/4	4,039.33	1/4	3,676.80	1/4	3,314.27	1/4	2,951.75
1/2		1/2		1/2		1/2	5,087.00	1/2	4,750.19	1/2	4,394.31	1/2	4,031.78	1/2	3,669.25	1/2	3,306.72	1/2	2,944.19
3/4		3/4		3/4		3/4	5,080.22	3/4	4,742.98	3/4	4,386.76	3/4	4,024.23	3/4	3,661.70	3/4	3,299.17	3/4	2,936.64
2		2		2		2	5,073.44	2	4,735.77	2	4,379.21	2	4,016.68	2	3,654.15	2	3,291.62	2	2,929.09
1/4		1/4		1/4		1/4	5,066.63	1/4	4,728.51	1/4	4,371.65	1/4	4,009.12	1/4	3,646.59	1/4	3,284.06	1/4	2,921.53
1/2		1/2		1/2		1/2	5,059.81	1/2	4,721.24	1/2	4,364.10	1/2	4,001.57	1/2	3,639.04	1/2	3,276.51	1/2	2,913.98
3/4		3/4		3/4		3/4	5,053.00	3/4	4,713.97	3/4	4,356.55	3/4	3,994.02	3/4	3,631.49	3/4	3,268.96	3/4	2,906.43
3		3		3		3	5,046.19	3	4,706.70	3	4,348.99	3	3,986.47	3	3,623.94	3	3,261.41	3	2,898.88
1/4		1/4		1/4		1/4	5,039.35	1/4	4,699.40	1/4	4,341.44	1/4	3,978.91	1/4	3,616.38	1/4	3,253.85	1/4	2,891.32
1/2		1/2		1/2		1/2	5,032.50	1/2	4,692.10	1/2	4,333.89	1/2	3,971.36	1/2	3,608.83	1/2	3,246.30	1/2	2,883.77
3/4		3/4		3/4		3/4	5,025.66	3/4	4,684.80	3/4	4,326.34	3/4	3,963.81	3/4	3,601.28	3/4	3,238.75	3/4	2,876.22
4		4		4		4	5,018.82	4	4,677.50	4	4,318.78	4	3,956.25	4	3,593.72	4	3,231.20	4	2,868.67
1/4		1/4		1/4		1/4	5,011.88	1/4	4,670.17	1/4	4,311.23	1/4	3,948.70	1/4	3,586.17	1/4	3,223.64	1/4	2,861.11
1/2		1/2		1/2		1/2	5,004.93	1/2	4,662.84	1/2	4,303.68	1/2	3,941.15	1/2	3,578.62	1/2	3,216.09	1/2	2,853.56
3/4		3/4		3/4		3/4	4,997.99	3/4	4,655.52	3/4	4,296.13	3/4	3,933.60	3/4	3,571.07	3/4	3,208.54	3/4	2,846.01
5		5		5		5	4,991.05	5	4,648.19	5	4,288.57	5	3,926.04	5	3,563.51	5	3,200.98	5	2,838.45
1/4		1/4		1/4		1/4	4,984.07	1/4	4,640.83	1/4	4,281.02	1/4	3,918.49	1/4	3,555.96	1/4	3,193.43	1/4	2,830.90
1/2		1/2		1/2		1/2	4,977.10	1/2	4,633.47	1/2	4,273.47	1/2	3,910.94	1/2	3,548.41	1/2	3,185.88	1/2	2,823.35
3/4		3/4		3/4		3/4	4,970.12	3/4	4,626.11	3/4	4,265.92	3/4	3,903.39	3/4	3,540.86	3/4	3,178.33	3/4	2,815.80
6		6		6		6	4,963.15	6	4,618.75	6	4,258.36	6	3,895.83	6	3,533.30	6	3,170.77	6	2,808.24
1/4		1/4		1/4		1/4	4,956.15	1/4	4,611.36	1/4	4,250.81	1/4	3,888.28	1/4	3,525.75	1/4	3,163.22	1/4	2,800.69
1/2		1/2		1/2		1/2	4,949.15	1/2	4,603.98	1/2	4,243.26	1/2	3,880.73	1/2	3,518.20	1/2	3,155.67	1/2	2,793.14
3/4		3/4		3/4		3/4	4,942.15	3/4	4,596.59	3/4	4,235.70	3/4	3,873.17	3/4	3,510.65	3/4	3,148.12	3/4	2,785.59
7		7		7	5,244.77	7	4,935.15	7	4,589.20	7	4,228.15	7	3,865.62	7	3,503.09	7	3,140.56	7	2,778.03
1/4		1/4		1/4	5,240.44	1/4	4,928.12	1/4	4,581.78	1/4	4,220.60	1/4	3,858.07	1/4	3,495.54	1/4	3,133.01	1/4	2,770.48
1/2		1/2		1/2	5,236.10	1/2	4,921.09	1/2	4,574.36	1/2	4,213.05	1/2	3,850.52	1/2	3,487.99	1/2	3,125.46	1/2	2,762.93
3/4		3/4		3/4	5,231.77	3/4	4,914.05	3/4	4,566.94	3/4	4,205.49	3/4	3,842.96	3/4	3,480.43	3/4	3,117.90	3/4	2,755.38
8		8		8	5,227.43	8	4,907.02	8	4,559.53	8	4,197.94	8	3,835.41	8	3,472.88	8	3,110.35	8	2,747.82
1/4		1/4		1/4	5,221.87	1/4	4,899.96	1/4	4,552.08	1/4	4,190.39	1/4	3,827.86	1/4	3,465.33	1/4	3,102.80	1/4	2,740.27
1/2		1/2		1/2	5,216.30	1/2	4,892.90	1/2	4,544.63	1/2	4,182.84	1/2	3,820.31	1/2	3,457.78	1/2	3,095.25	1/2	2,732.72
3/4		3/4		3/4	5,210.74	3/4	4,885.84	3/4	4,537.18	3/4	4,175.28	3/4	3,812.75	3/4	3,450.22	3/4	3,087.69	3/4	2,725.16
9		9		9	5,205.17	9	4,878.78	9	4,529.73	9	4,167.73	9	3,805.20	9	3,442.67	9	3,080.14	9	2,717.61
1/4		1/4		1/4	5,199.14	1/4	4,871.69	1/4	4,522.25	1/4	4,160.18	1/4	3,797.65	1/4	3,435.12	1/4	3,072.59	1/4	2,710.06
1/2		1/2		1/2	5,193.11	1/2	4,864.60	1/2	4,514.78	1/2	4,152.62	1/2	3,790.09	1/2	3,427.57	1/2	3,065.04	1/2	2,702.51
3/4		3/4		3/4	5,187.08	3/4	4,857.51	3/4	4,507.30	3/4	4,145.07	3/4	3,782.54	3/4	3,420.01	3/4	3,057.48	3/4	2,694.95
10		10		10	5,181.05	10	4,850.42	10	4,499.82	10	4,137.52	10	3,774.99	10	3,412.46	10	3,049.93	10	2,687.40
1/4		1/4		1/4	5,174.39	1/4	4,843.30	1/4	4,492.31	1/4	4,129.97	1/4	3,767.44	1/4	3,404.91	1/4	3,042.38	1/4	2,679.85
1/2		1/2		1/2	5,167.73	1/2	4,836.18	1/2	4,484.80	1/2	4,122.41	1/2	3,759.88	1/2	3,397.35	1/2	3,034.82	1/2	2,672.30
3/4		3/4		3/4	5,161.08	3/4	4,829.06	3/4	4,477.30	3/4	4,114.86	3/4	3,752.33	3/4	3,389.80	3/4	3,027.27	3/4	2,664.74
11		11		11	5,154.42	11	4,821.94	11	4,469.79	11	4,107.31	11	3,744.78	11	3,382.25	11	3,019.72	11	2,657.19
1/4		1/4		1/4	5,147.71	1/4	4,814.79	1/4	4,462.25	1/4	4,099.76	1/4	3,737.23	1/4	3,374.70	1/4	3,012.17	1/4	2,649.64
1/2		1/2		1/2	5,141.00	1/2	4,807.64	1/2	4,454.71	1/2	4,092.20	1/2	3,729.67	1/2	3,367.14	1/2	3,004.61	1/2	2,642.08
3/4		3/4		3/4	5,134.28	3/4	4,800.49	3/4	4,447.17	3/4	4,084.65	3/4	3,722.12	3/4	3,359.59	3/4	2,997.06	3/4	2,634.53

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 10'-06" OFF CENTERLINE AND 42'-06" 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 29071"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 304"

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	2,626.98	0	2,264.32	0	1,901.65	0	1,538.99	0	1,176.90	0	816.05	0	453.40	0	90.94	0		0	
1/4	2,619.42	1/4	2,256.76	1/4	1,894.10	1/4	1,531.43	1/4	1,169.39	1/4	808.50	1/4	445.85	1/4	84.02	1/4		1/4	
1/2	2,611.87	1/2	2,249.20	1/2	1,886.54	1/2	1,523.88	1/2	1,161.89	1/2	800.94	1/2	438.29	1/2	77.09	1/2		1/2	
3/4	2,604.31	3/4	2,241.65	3/4	1,878.98	3/4	1,516.32	3/4	1,154.39	3/4	793.39	3/4	430.74	3/4	70.17	3/4		3/4	
1	2,596.76	1	2,234.09	1	1,871.43	1	1,508.77	1	1,146.88	1	785.83	1	423.18	1	63.25	1		1	
1/4	2,589.20	1/4	2,226.54	1/4	1,863.87	1/4	1,501.21	1/4	1,139.38	1/4	778.28	1/4	415.63	1/4	57.58	1/4		1/4	
1/2	2,581.65	1/2	2,218.98	1/2	1,856.32	1/2	1,493.65	1/2	1,131.87	1/2	770.72	1/2	408.07	1/2	51.92	1/2		1/2	
3/4	2,574.09	3/4	2,211.43	3/4	1,848.76	3/4	1,486.10	3/4	1,124.37	3/4	763.17	3/4	400.52	3/4	46.25	3/4		3/4	
2	2,566.54	2	2,203.87	2	1,841.21	2	1,478.54	2	1,116.87	2	755.61	2	392.96	2	40.59	2		2	
1/4	2,558.98	1/4	2,196.32	1/4	1,833.65	1/4	1,470.99	1/4	1,109.36	1/4	748.05	1/4	385.41	1/4	36.18	1/4		1/4	
1/2	2,551.42	1/2	2,188.76	1/2	1,826.10	1/2	1,463.43	1/2	1,101.86	1/2	740.50	1/2	377.85	1/2	31.77	1/2		1/2	
3/4	2,543.87	3/4	2,181.20	3/4	1,818.54	3/4	1,455.88	3/4	1,094.36	3/4	732.94	3/4	370.29	3/4	27.37	3/4		3/4	
3	2,536.31	3	2,173.65	3	1,810.99	3	1,448.32	3	1,086.85	3	725.39	3	362.74	3	22.97	3		3	
1/4	2,528.76	1/4	2,166.09	1/4	1,803.43	1/4	1,440.77	1/4	1,079.35	1/4	717.83	1/4	355.18	1/4		1/4		1/4	
1/2	2,521.20	1/2	2,158.54	1/2	1,795.87	1/2	1,433.21	1/2	1,071.84	1/2	710.28	1/2	347.63	1/2		1/2		1/2	
3/4	2,513.65	3/4	2,150.98	3/4	1,788.32	3/4	1,425.65	3/4	1,064.34	3/4	702.72	3/4	340.07	3/4		3/4		3/4	
4	2,506.09	4	2,143.43	4	1,780.76	4	1,418.10	4	1,056.84	4	695.17	4	332.52	4		4		4	
1/4	2,498.54	1/4	2,135.87	1/4	1,773.21	1/4	1,410.54	1/4	1,049.33	1/4	687.61	1/4	324.96	1/4		1/4		1/4	
1/2	2,490.98	1/2	2,128.32	1/2	1,765.65	1/2	1,402.99	1/2	1,041.83	1/2	680.06	1/2	317.41	1/2		1/2		1/2	
3/4	2,483.42	3/4	2,120.76	3/4	1,758.10	3/4	1,395.43	3/4	1,034.33	3/4	672.50	3/4	309.85	3/4		3/4		3/4	
5	2,475.87	5	2,113.21	5	1,750.54	5	1,387.88	5	1,026.82	5	664.95	5	302.30	5		5		5	
1/4	2,468.31	1/4	2,105.65	1/4	1,742.99	1/4	1,380.32	1/4	1,019.32	1/4	657.39	1/4	294.74	1/4		1/4		1/4	
1/2	2,460.76	1/2	2,098.09	1/2	1,735.43	1/2	1,372.77	1/2	1,011.81	1/2	649.84	1/2	287.19	1/2		1/2		1/2	
3/4	2,453.20	3/4	2,090.54	3/4	1,727.87	3/4	1,365.21	3/4	1,004.31	3/4	642.28	3/4	279.63	3/4		3/4		3/4	
6	2,445.65	6	2,082.98	6	1,720.32	6	1,357.66	6	996.81	6	634.73	6	272.08	6		6		6	
1/4	2,438.09	1/4	2,075.43	1/4	1,712.76	1/4	1,350.10	1/4	989.30	1/4	627.17	1/4	264.52	1/4		1/4		1/4	
1/2	2,430.54	1/2	2,067.87	1/2	1,705.21	1/2	1,342.54	1/2	981.80	1/2	619.62	1/2	256.97	1/2		1/2		1/2	
3/4	2,422.98	3/4	2,060.32	3/4	1,697.65	3/4	1,334.99	3/4	974.30	3/4	612.06	3/4	249.41	3/4		3/4		3/4	
7	2,415.43	7	2,052.76	7	1,690.10	7	1,327.43	7	966.79	7	604.51	7	241.86	7		7		7	
1/4	2,407.87	1/4	2,045.21	1/4	1,682.54	1/4	1,319.88	1/4	959.29	1/4	596.95	1/4	234.30	1/4		1/4		1/4	
1/2	2,400.31	1/2	2,037.65	1/2	1,674.99	1/2	1,312.32	1/2	951.79	1/2	589.40	1/2	226.75	1/2		1/2		1/2	
3/4	2,392.76	3/4	2,030.09	3/4	1,667.43	3/4	1,304.77	3/4	944.28	3/4	581.84	3/4	219.19	3/4		3/4		3/4	
8	2,385.20	8	2,022.54	8	1,659.88	8	1,297.21	8	936.78	8	574.29	8	211.64	8		8		8	
1/4	2,377.65	1/4	2,014.98	1/4	1,652.32	1/4	1,289.66	1/4	929.26	1/4	566.73	1/4	204.08	1/4		1/4		1/4	
1/2	2,370.09	1/2	2,007.43	1/2	1,644.76	1/2	1,282.10	1/2	921.75	1/2	559.17	1/2	196.53	1/2		1/2		1/2	
3/4	2,362.54	3/4	1,999.87	3/4	1,637.21	3/4	1,274.54	3/4	914.23	3/4	551.62	3/4	188.97	3/4		3/4		3/4	
9	2,354.98	9	1,992.32	9	1,629.65	9	1,266.99	9	906.71	9	544.06	9	181.41	9		9		9	
1/4	2,347.43	1/4	1,984.76	1/4	1,622.10	1/4	1,259.47	1/4	899.16	1/4	536.51	1/4	173.86	1/4		1/4		1/4	
1/2	2,339.87	1/2	1,977.21	1/2	1,614.54	1/2	1,251.96	1/2	891.60	1/2	528.95	1/2	166.31	1/2		1/2		1/2	
3/4	2,332.31	3/4	1,969.65	3/4	1,606.99	3/4	1,244.44	3/4	884.05	3/4	521.40	3/4	158.75	3/4		3/4		3/4	
10	2,324.76	10	1,962.10	10	1,599.43	10	1,236.93	10	876.49	10	513.84	10	151.20	10		10		10	
1/4	2,317.20	1/4	1,954.54	1/4	1,591.88	1/4	1,229.42	1/4	868.94	1/4	506.29	1/4	143.65	1/4		1/4		1/4	
1/2	2,309.65	1/2	1,946.98	1/2	1,584.32	1/2	1,221.92	1/2	861.38	1/2	498.73	1/2	136.11	1/2		1/2		1/2	
3/4	2,302.09	3/4	1,939.43	3/4	1,576.76	3/4	1,214.41	3/4	853.83	3/4	491.18	3/4	128.56	3/4		3/4		3/4	
11	2,294.54	11	1,931.87	11	1,569.21	11	1,206.91	11	846.27	11	483.62	11	121.02	11		11		11	
1/4	2,286.98	1/4	1,924.32	1/4	1,561.65	1/4	1,199.41	1/4	838.72	1/4	476.07	1/4	113.50	1/4		1/4		1/4	
1/2	2,279.43	1/2	1,916.76	1/2	1,554.10	1/2	1,191.90	1/2	831.16	1/2	468.51	1/2	105.98	1/2		1/2		1/2	
3/4	2,271.87	3/4	1,909.21	3/4	1,546.54	3/4	1,184.40	3/4	823.61	3/4	460.96	3/4	98.46	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/25/2013 SW  
NAME CHANGE: 06/05/2023 JS  
VERIFIED: 06/05/2023

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2023

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



# BARGE "KIRBY 29071"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 304"

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	5,105.54	0	4,771.99	0	4,419.10	0	4,057.78	0	3,696.47	0	3,335.15	0	2,973.84
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,098.81	1/4	4,764.83	1/4	4,411.57	1/4	4,050.26	1/4	3,688.94	1/4	3,327.63	1/4	2,966.31
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,092.08	1/2	4,757.67	1/2	4,404.04	1/2	4,042.73	1/2	3,681.41	1/2	3,320.10	1/2	2,958.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,085.35	3/4	4,750.52	3/4	4,396.52	3/4	4,035.20	3/4	3,673.89	3/4	3,312.57	3/4	2,951.26
1		1		1		1	5,078.59	1	4,743.33	1	4,388.99	1	4,027.67	1	3,666.36	1	3,305.04	1	2,943.73
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,071.83	1/4	4,736.15	1/4	4,381.46	1/4	4,020.15	1/4	3,658.83	1/4	3,297.52	1/4	2,936.20
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,065.07	1/2	4,728.96	1/2	4,373.93	1/2	4,012.62	1/2	3,651.30	1/2	3,289.99	1/2	2,928.67
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,058.31	3/4	4,721.77	3/4	4,366.41	3/4	4,005.09	3/4	3,643.78	3/4	3,282.46	3/4	2,921.15
2		2		2		2	5,051.52	2	4,714.53	2	4,358.88	2	3,997.57	2	3,636.25	2	3,274.93	2	2,913.62
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,044.73	1/4	4,707.28	1/4	4,351.35	1/4	3,990.04	1/4	3,628.72	1/4	3,267.41	1/4	2,906.09
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,037.94	1/2	4,700.04	1/2	4,343.83	1/2	3,982.51	1/2	3,621.20	1/2	3,259.88	1/2	2,898.56
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,031.15	3/4	4,692.80	3/4	4,336.30	3/4	3,974.98	3/4	3,613.67	3/4	3,252.35	3/4	2,891.04
3		3		3		3	5,024.33	3	4,685.52	3	4,328.77	3	3,967.46	3	3,606.14	3	3,244.83	3	2,883.51
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,017.51	1/4	4,678.25	1/4	4,321.24	1/4	3,959.93	1/4	3,598.61	1/4	3,237.30	1/4	2,875.98
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,010.69	1/2	4,670.97	1/2	4,313.72	1/2	3,952.40	1/2	3,591.09	1/2	3,229.77	1/2	2,868.46
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,003.88	3/4	4,663.70	3/4	4,306.19	3/4	3,944.87	3/4	3,583.56	3/4	3,222.24	3/4	2,860.93
4		4		4		4	4,996.96	4	4,656.39	4	4,298.66	4	3,937.35	4	3,576.03	4	3,214.72	4	2,853.40
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,990.03	1/4	4,649.09	1/4	4,291.13	1/4	3,929.82	1/4	3,568.50	1/4	3,207.19	1/4	2,845.87
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,983.11	1/2	4,641.78	1/2	4,283.61	1/2	3,922.29	1/2	3,560.98	1/2	3,199.66	1/2	2,838.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,976.19	3/4	4,634.48	3/4	4,276.08	3/4	3,914.76	3/4	3,553.45	3/4	3,192.13	3/4	2,830.82
5		5		5		5	4,969.24	5	4,627.15	5	4,268.55	5	3,907.24	5	3,545.92	5	3,184.61	5	2,823.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,962.29	1/4	4,619.81	1/4	4,261.02	1/4	3,899.71	1/4	3,538.39	1/4	3,177.08	1/4	2,815.76
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,955.34	1/2	4,612.48	1/2	4,253.50	1/2	3,892.18	1/2	3,530.87	1/2	3,169.55	1/2	2,808.24
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,948.39	3/4	4,605.14	3/4	4,245.97	3/4	3,884.65	3/4	3,523.34	3/4	3,162.02	3/4	2,800.71
6		6		6		6	4,941.41	6	4,597.78	6	4,238.44	6	3,877.13	6	3,515.81	6	3,154.50	6	2,793.18
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,934.44	1/4	4,590.42	1/4	4,230.91	1/4	3,869.60	1/4	3,508.28	1/4	3,146.97	1/4	2,785.65
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,927.46	1/2	4,583.05	1/2	4,223.39	1/2	3,862.07	1/2	3,500.76	1/2	3,139.44	1/2	2,778.13
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,229.07	3/4	4,920.48	3/4	4,575.69	3/4	4,215.86	3/4	3,854.54	3/4	3,493.23	3/4	3,131.91
7		7		7		7	5,224.75	7	4,913.47	7	4,568.30	7	4,208.33	7	3,847.02	7	3,485.70	7	3,124.39
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,220.43	1/4	4,906.47	1/4	4,560.90	1/4	4,200.80	1/4	3,839.49	1/4	3,478.17	1/4	3,116.86
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,216.11	1/2	4,899.46	1/2	4,553.51	1/2	4,193.28	1/2	3,831.96	1/2	3,470.65	1/2	3,109.33
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,211.79	3/4	4,892.45	3/4	4,546.11	3/4	4,185.75	3/4	3,824.43	3/4	3,463.12	3/4	3,101.80
8		8		8		8	5,206.25	8	4,885.41	8	4,538.69	8	4,178.22	8	3,816.91	8	3,455.59	8	3,094.28
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,200.70	1/4	4,878.38	1/4	4,531.27	1/4	4,170.70	1/4	3,809.38	1/4	3,448.06	1/4	3,086.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,195.15	1/2	4,871.34	1/2	4,523.84	1/2	4,163.17	1/2	3,801.85	1/2	3,440.54	1/2	3,079.22
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,189.61	3/4	4,864.30	3/4	4,516.42	3/4	4,155.64	3/4	3,794.33	3/4	3,433.01	3/4	3,071.69
9		9		9		9	5,183.60	9	4,857.24	9	4,508.97	9	4,148.11	9	3,786.80	9	3,425.48	9	3,064.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,177.59	1/4	4,850.17	1/4	4,501.52	1/4	4,140.59	1/4	3,779.27	1/4	3,417.96	1/4	3,056.64
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,171.57	1/2	4,843.10	1/2	4,494.06	1/2	4,133.06	1/2	3,771.74	1/2	3,410.43	1/2	3,049.11
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,165.56	3/4	4,836.03	3/4	4,486.61	3/4	4,125.53	3/4	3,764.22	3/4	3,402.90	3/4	3,041.59
10		10		10		10	5,158.93	10	4,828.94	10	4,479.13	10	4,118.00	10	3,756.69	10	3,395.37	10	3,034.06
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,152.29	1/4	4,821.84	1/4	4,471.64	1/4	4,110.48	1/4	3,749.16	1/4	3,387.85	1/4	3,026.53
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,145.66	1/2	4,814.74	1/2	4,464.16	1/2	4,102.95	1/2	3,741.63	1/2	3,380.32	1/2	3,019.00
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,139.02	3/4	4,807.65	3/4	4,456.68	3/4	4,095.42	3/4	3,734.11	3/4	3,372.79	3/4	3,011.48
11		11		11		11	5,132.33	11	4,800.52	11	4,449.17	11	4,087.89	11	3,726.58	11	3,365.26	11	3,003.95
1/4	1/4	1/4	1/4	1/4	1/4	1/4	5,125.64	1/4	4,793.40	1/4	4,441.65	1/4	4,080.37	1/4	3,719.05	1/4	3,357.74	1/4	2,996.42
1/2	1/2	1/2	1/2	1/2	1/2	1/2	5,118.95	1/2	4,786.27	1/2	4,434.14	1/2	4,072.84	1/2	3,711.52	1/2	3,350.21	1/2	2,988.89
3/4	3/4	3/4	3/4	3/4	3/4	3/4	5,112.26	3/4	4,779.14	3/4	4,426.63	3/4	4,065.31	3/4	3,704.00	3/4	3,342.68	3/4	2,981.37

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 10'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "KIRBY 29071"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 304"

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	2,612.52	0	2,251.08	0	1,889.63	0	1,528.19	0	1,166.85	0	805.79	0	444.36	0	83.74	0		0	
1/4	2,604.99	1/4	2,243.55	1/4	1,882.10	1/4	1,520.66	1/4	1,159.33	1/4	798.26	1/4	436.83	1/4	76.84	1/4		1/4	
1/2	2,597.46	1/2	2,236.02	1/2	1,874.57	1/2	1,513.13	1/2	1,151.82	1/2	790.73	1/2	429.30	1/2	69.94	1/2		1/2	
3/4	2,589.93	3/4	2,228.49	3/4	1,867.04	3/4	1,505.60	3/4	1,144.30	3/4	783.20	3/4	421.77	3/4	63.04	3/4		3/4	
1	2,582.40	1	2,220.96	1	1,859.51	1	1,498.07	1	1,136.78	1	775.67	1	414.24	1	57.39	1		1	
1/4	2,574.87	1/4	2,213.43	1/4	1,851.98	1/4	1,490.54	1/4	1,129.26	1/4	768.14	1/4	406.71	1/4	51.75	1/4		1/4	
1/2	2,567.34	1/2	2,205.90	1/2	1,844.45	1/2	1,483.01	1/2	1,121.75	1/2	760.61	1/2	399.18	1/2	46.10	1/2		1/2	
3/4	2,559.81	3/4	2,198.37	3/4	1,836.92	3/4	1,475.48	3/4	1,114.23	3/4	753.08	3/4	391.65	3/4	40.45	3/4		3/4	
2	2,552.28	2	2,190.84	2	1,829.39	2	1,467.95	2	1,106.71	2	745.55	2	384.12	2	36.06	2		2	
1/4	2,544.75	1/4	2,183.31	1/4	1,821.86	1/4	1,460.42	1/4	1,099.19	1/4	738.02	1/4	376.59	1/4	31.67	1/4		1/4	
1/2	2,537.22	1/2	2,175.77	1/2	1,814.33	1/2	1,452.89	1/2	1,091.67	1/2	730.49	1/2	369.06	1/2	27.28	1/2		1/2	
3/4	2,529.69	3/4	2,168.24	3/4	1,806.80	3/4	1,445.36	3/4	1,084.16	3/4	722.96	3/4	361.53	3/4	22.89	3/4		3/4	
3	2,522.16	3	2,160.71	3	1,799.27	3	1,437.83	3	1,076.64	3	715.43	3	354.00	3		3		3	
1/4	2,514.63	1/4	2,153.18	1/4	1,791.74	1/4	1,430.30	1/4	1,069.12	1/4	707.90	1/4	346.47	1/4		1/4		1/4	
1/2	2,507.10	1/2	2,145.65	1/2	1,784.21	1/2	1,422.76	1/2	1,061.60	1/2	700.37	1/2	338.94	1/2		1/2		1/2	
3/4	2,499.57	3/4	2,138.12	3/4	1,776.68	3/4	1,415.23	3/4	1,054.09	3/4	692.84	3/4	331.41	3/4		3/4		3/4	
4	2,492.04	4	2,130.59	4	1,769.15	4	1,407.70	4	1,046.57	4	685.31	4	323.88	4		4		4	
1/4	2,484.51	1/4	2,123.06	1/4	1,761.62	1/4	1,400.17	1/4	1,039.05	1/4	677.78	1/4	316.35	1/4		1/4		1/4	
1/2	2,476.98	1/2	2,115.53	1/2	1,754.09	1/2	1,392.64	1/2	1,031.53	1/2	670.25	1/2	308.82	1/2		1/2		1/2	
3/4	2,469.45	3/4	2,108.00	3/4	1,746.56	3/4	1,385.11	3/4	1,024.01	3/4	662.72	3/4	301.29	3/4		3/4		3/4	
5	2,461.92	5	2,100.47	5	1,739.03	5	1,377.58	5	1,016.50	5	655.19	5	293.76	5		5		5	
1/4	2,454.39	1/4	2,092.94	1/4	1,731.50	1/4	1,370.05	1/4	1,008.98	1/4	647.66	1/4	286.23	1/4		1/4		1/4	
1/2	2,446.86	1/2	2,085.41	1/2	1,723.97	1/2	1,362.52	1/2	1,001.46	1/2	640.13	1/2	278.70	1/2		1/2		1/2	
3/4	2,439.33	3/4	2,077.88	3/4	1,716.44	3/4	1,354.99	3/4	993.94	3/4	632.60	3/4	271.17	3/4		3/4		3/4	
6	2,431.80	6	2,070.35	6	1,708.91	6	1,347.46	6	986.43	6	625.07	6	263.64	6		6		6	
1/4	2,424.27	1/4	2,062.82	1/4	1,701.38	1/4	1,339.93	1/4	978.91	1/4	617.54	1/4	256.11	1/4		1/4		1/4	
1/2	2,416.74	1/2	2,055.29	1/2	1,693.85	1/2	1,332.40	1/2	971.39	1/2	610.01	1/2	248.58	1/2		1/2		1/2	
3/4	2,409.21	3/4	2,047.76	3/4	1,686.32	3/4	1,324.87	3/4	963.87	3/4	602.48	3/4	241.05	3/4		3/4		3/4	
7	2,401.68	7	2,040.23	7	1,678.79	7	1,317.34	7	956.35	7	594.95	7	233.52	7		7		7	
1/4	2,394.15	1/4	2,032.70	1/4	1,671.26	1/4	1,309.81	1/4	948.84	1/4	587.43	1/4	225.99	1/4		1/4		1/4	
1/2	2,386.62	1/2	2,025.17	1/2	1,663.73	1/2	1,302.28	1/2	941.32	1/2	579.90	1/2	218.46	1/2		1/2		1/2	
3/4	2,379.09	3/4	2,017.64	3/4	1,656.20	3/4	1,294.75	3/4	933.80	3/4	572.37	3/4	210.93	3/4		3/4		3/4	
8	2,371.56	8	2,010.11	8	1,648.67	8	1,287.22	8	926.27	8	564.84	8	203.40	8		8		8	
1/4	2,364.03	1/4	2,002.58	1/4	1,641.14	1/4	1,279.69	1/4	918.74	1/4	557.31	1/4	195.87	1/4		1/4		1/4	
1/2	2,356.50	1/2	1,995.05	1/2	1,633.61	1/2	1,272.16	1/2	911.21	1/2	549.78	1/2	188.34	1/2		1/2		1/2	
3/4	2,348.97	3/4	1,987.52	3/4	1,626.08	3/4	1,264.63	3/4	903.68	3/4	542.25	3/4	180.81	3/4		3/4		3/4	
9	2,341.44	9	1,979.99	9	1,618.55	9	1,257.10	9	896.15	9	534.72	9	173.28	9		9		9	
1/4	2,333.91	1/4	1,972.46	1/4	1,611.02	1/4	1,249.57	1/4	888.62	1/4	527.19	1/4	165.75	1/4		1/4		1/4	
1/2	2,326.38	1/2	1,964.93	1/2	1,603.49	1/2	1,242.04	1/2	881.09	1/2	519.66	1/2	158.22	1/2		1/2		1/2	
3/4	2,318.85	3/4	1,957.40	3/4	1,595.96	3/4	1,234.51	3/4	873.56	3/4	512.13	3/4	150.70	3/4		3/4		3/4	
10	2,311.32	10	1,949.87	10	1,588.43	10	1,226.99	10	866.03	10	504.60	10	143.18	10		10		10	
1/4	2,303.79	1/4	1,942.34	1/4	1,580.90	1/4	1,219.48	1/4	858.50	1/4	497.07	1/4	135.66	1/4		1/4		1/4	
1/2	2,296.26	1/2	1,934.81	1/2	1,573.37	1/2	1,211.96	1/2	850.97	1/2	489.54	1/2	128.14	1/2		1/2		1/2	
3/4	2,288.73	3/4	1,927.28	3/4	1,565.84	3/4	1,204.44	3/4	843.44	3/4	482.01	3/4	120.62	3/4		3/4		3/4	
11	2,281.20	11	1,919.75	11	1,558.31	11	1,196.92	11	835.91	11	474.48	11	113.12	11		11		11	
1/4	2,273.67	1/4	1,912.22	1/4	1,550.78	1/4	1,189.41	1/4	828.38	1/4	466.95	1/4	105.63	1/4		1/4		1/4	
1/2	2,266.14	1/2	1,904.69	1/2	1,543.25	1/2	1,181.89	1/2	820.85	1/2	459.42	1/2	98.14	1/2		1/2		1/2	
3/4	2,258.61	3/4	1,897.16	3/4	1,535.72	3/4	1,174.37	3/4	813.32	3/4	451.89	3/4	90.64	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/25/2013 SW  
NAME CHANGE: 06/05/2023 JS  
VERIFIED: 06/05/2023

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2023

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



# BARGE "KIRBY 29071"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 304"

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	5,096.38	0	4,763.26	0	4,410.73	0	4,049.42	0	3,688.11	0	3,326.80	0	2,965.49
1/4		1/4		1/4		1/4	5,089.65	1/4	4,756.10	1/4	4,403.21	1/4	4,041.90	1/4	3,680.59	1/4	3,319.28	1/4	2,957.97
1/2		1/2		1/2		1/2	5,082.93	1/2	4,748.95	1/2	4,395.68	1/2	4,034.37	1/2	3,673.06	1/2	3,311.75	1/2	2,950.44
3/4		3/4		3/4		3/4	5,076.20	3/4	4,741.79	3/4	4,388.15	3/4	4,026.84	3/4	3,665.53	3/4	3,304.22	3/4	2,942.91
1		1		1		1	5,069.47	1	4,734.63	1	4,380.63	1	4,019.31	1	3,658.00	1	3,296.69	1	2,935.38
1/4		1/4		1/4		1/4	5,062.71	1/4	4,727.45	1/4	4,373.10	1/4	4,011.79	1/4	3,650.48	1/4	3,289.17	1/4	2,927.86
1/2		1/2		1/2		1/2	5,055.95	1/2	4,720.26	1/2	4,365.57	1/2	4,004.26	1/2	3,642.95	1/2	3,281.64	1/2	2,920.33
3/4		3/4		3/4		3/4	5,049.19	3/4	4,713.08	3/4	4,358.04	3/4	3,996.73	3/4	3,635.42	3/4	3,274.11	3/4	2,912.80
2		2		2		2	5,042.43	2	4,705.89	2	4,350.52	2	3,989.21	2	3,627.90	2	3,266.58	2	2,905.27
1/4		1/4		1/4		1/4	5,035.64	1/4	4,698.65	1/4	4,342.99	1/4	3,981.68	1/4	3,620.37	1/4	3,259.06	1/4	2,897.75
1/2		1/2		1/2		1/2	5,028.85	1/2	4,691.40	1/2	4,335.46	1/2	3,974.15	1/2	3,612.84	1/2	3,251.53	1/2	2,890.22
3/4		3/4		3/4		3/4	5,022.06	3/4	4,684.16	3/4	4,327.93	3/4	3,966.62	3/4	3,605.31	3/4	3,244.00	3/4	2,882.69
3		3		3		3	5,015.27	3	4,676.91	3	4,320.41	3	3,959.10	3	3,597.79	3	3,236.48	3	2,875.17
1/4		1/4		1/4		1/4	5,008.45	1/4	4,669.64	1/4	4,312.88	1/4	3,951.57	1/4	3,590.26	1/4	3,228.95	1/4	2,867.64
1/2		1/2		1/2		1/2	5,001.63	1/2	4,662.36	1/2	4,305.35	1/2	3,944.04	1/2	3,582.73	1/2	3,221.42	1/2	2,860.11
3/4		3/4		3/4		3/4	4,994.81	3/4	4,655.09	3/4	4,297.82	3/4	3,936.51	3/4	3,575.20	3/4	3,213.89	3/4	2,852.58
4		4		4		4	4,987.99	4	4,647.81	4	4,290.30	4	3,928.99	4	3,567.68	4	3,206.37	4	2,845.06
1/4		1/4		1/4		1/4	4,981.07	1/4	4,640.51	1/4	4,282.77	1/4	3,921.46	1/4	3,560.15	1/4	3,198.84	1/4	2,837.53
1/2		1/2		1/2		1/2	4,974.15	1/2	4,633.20	1/2	4,275.24	1/2	3,913.93	1/2	3,552.62	1/2	3,191.31	1/2	2,830.00
3/4		3/4		3/4		3/4	4,967.23	3/4	4,625.90	3/4	4,267.72	3/4	3,906.41	3/4	3,545.09	3/4	3,183.78	3/4	2,822.47
5		5		5		5	4,960.31	5	4,618.60	5	4,260.19	5	3,898.88	5	3,537.57	5	3,176.26	5	2,814.95
1/4		1/4		1/4		1/4	4,953.36	1/4	4,611.26	1/4	4,252.66	1/4	3,891.35	1/4	3,530.04	1/4	3,168.73	1/4	2,807.42
1/2		1/2		1/2		1/2	4,946.41	1/2	4,603.93	1/2	4,245.13	1/2	3,883.82	1/2	3,522.51	1/2	3,161.20	1/2	2,799.89
3/4		3/4		3/4		3/4	4,939.46	3/4	4,596.59	3/4	4,237.61	3/4	3,876.30	3/4	3,514.99	3/4	3,153.68	3/4	2,792.36
6		6		6		6	4,932.51	6	4,589.26	6	4,230.08	6	3,868.77	6	3,507.46	6	3,146.15	6	2,784.84
1/4		1/4		1/4		1/4	4,925.53	1/4	4,581.90	1/4	4,222.55	1/4	3,861.24	1/4	3,499.93	1/4	3,138.62	1/4	2,777.31
1/2		1/2		1/2		1/2	4,918.55	1/2	4,574.53	1/2	4,215.02	1/2	3,853.71	1/2	3,492.40	1/2	3,131.09	1/2	2,769.78
3/4		3/4		3/4		3/4	4,911.58	3/4	4,567.17	3/4	4,207.50	3/4	3,846.19	3/4	3,484.88	3/4	3,123.57	3/4	2,762.26
7		7		7	5,213.19	7	4,904.60	7	4,559.80	7	4,199.97	7	3,838.66	7	3,477.35	7	3,116.04	7	2,754.73
1/4		1/4		1/4	5,208.87	1/4	4,897.59	1/4	4,552.41	1/4	4,192.44	1/4	3,831.13	1/4	3,469.82	1/4	3,108.51	1/4	2,747.20
1/2		1/2		1/2	5,204.55	1/2	4,890.58	1/2	4,545.02	1/2	4,184.92	1/2	3,823.61	1/2	3,462.29	1/2	3,100.98	1/2	2,739.67
3/4		3/4		3/4	5,200.23	3/4	4,883.58	3/4	4,537.62	3/4	4,177.39	3/4	3,816.08	3/4	3,454.77	3/4	3,093.46	3/4	2,732.15
8		8		8	5,195.91	8	4,876.57	8	4,530.23	8	4,169.86	8	3,808.55	8	3,447.24	8	3,085.93	8	2,724.62
1/4		1/4		1/4	5,190.37	1/4	4,869.53	1/4	4,522.81	1/4	4,162.33	1/4	3,801.02	1/4	3,439.71	1/4	3,078.40	1/4	2,717.09
1/2		1/2		1/2	5,184.82	1/2	4,862.49	1/2	4,515.38	1/2	4,154.81	1/2	3,793.50	1/2	3,432.19	1/2	3,070.87	1/2	2,709.56
3/4		3/4		3/4	5,179.27	3/4	4,855.46	3/4	4,507.96	3/4	4,147.28	3/4	3,785.97	3/4	3,424.66	3/4	3,063.35	3/4	2,702.04
9		9		9	5,173.73	9	4,848.42	9	4,500.54	9	4,139.75	9	3,778.44	9	3,417.13	9	3,055.82	9	2,694.51
1/4		1/4		1/4	5,167.72	1/4	4,841.35	1/4	4,493.09	1/4	4,132.22	1/4	3,770.91	1/4	3,409.60	1/4	3,048.29	1/4	2,686.98
1/2		1/2		1/2	5,161.71	1/2	4,834.29	1/2	4,485.63	1/2	4,124.70	1/2	3,763.39	1/2	3,402.08	1/2	3,040.77	1/2	2,679.46
3/4		3/4		3/4	5,155.69	3/4	4,827.22	3/4	4,478.18	3/4	4,117.17	3/4	3,755.86	3/4	3,394.55	3/4	3,033.24	3/4	2,671.93
10		10		10	5,149.68	10	4,820.15	10	4,470.73	10	4,109.64	10	3,748.33	10	3,387.02	10	3,025.71	10	2,664.40
1/4		1/4		1/4	5,143.05	1/4	4,813.05	1/4	4,463.24	1/4	4,102.12	1/4	3,740.80	1/4	3,379.49	1/4	3,018.18	1/4	2,656.87
1/2		1/2		1/2	5,136.41	1/2	4,805.96	1/2	4,455.76	1/2	4,094.59	1/2	3,733.28	1/2	3,371.97	1/2	3,010.66	1/2	2,649.35
3/4		3/4		3/4	5,129.78	3/4	4,798.86	3/4	4,448.28	3/4	4,087.06	3/4	3,725.75	3/4	3,364.44	3/4	3,003.13	3/4	2,641.82
11		11		11	5,123.14	11	4,791.76	11	4,440.79	11	4,079.53	11	3,718.22	11	3,356.91	11	2,995.60	11	2,634.29
1/4		1/4		1/4	5,116.45	1/4	4,784.64	1/4	4,433.28	1/4	4,072.01	1/4	3,710.70	1/4	3,349.39	1/4	2,988.07	1/4	2,626.76
1/2		1/2		1/2	5,109.76	1/2	4,777.51	1/2	4,425.76	1/2	4,064.48	1/2	3,703.17	1/2	3,341.86	1/2	2,980.55	1/2	2,619.24
3/4		3/4		3/4	5,103.07	3/4	4,770.39	3/4	4,418.25	3/4	4,056.95	3/4	3,695.64	3/4	3,334.33	3/4	2,973.02	3/4	2,611.71

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 10'-06" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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





# BARGE "KIRBY 29071"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 304"

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	2,604.18	0	2,242.73	0	1,881.28	0	1,519.83	0	1,162.46	0	813.32	0	451.89	0	90.64	0		0	
1/4	2,596.65	1/4	2,235.20	1/4	1,873.75	1/4	1,512.30	1/4	1,155.27	1/4	805.79	1/4	444.36	1/4	83.74	1/4		1/4	
1/2	2,589.12	1/2	2,227.67	1/2	1,866.22	1/2	1,504.77	1/2	1,148.08	1/2	798.26	1/2	436.83	1/2	76.84	1/2		1/2	
3/4	2,581.59	3/4	2,220.14	3/4	1,858.69	3/4	1,497.24	3/4	1,140.89	3/4	790.74	3/4	429.30	3/4	69.94	3/4		3/4	
1	2,574.06	1	2,212.61	1	1,851.16	1	1,489.71	1	1,133.71	1	783.21	1	421.77	1	63.04	1		1	
1/4	2,566.53	1/4	2,205.08	1/4	1,843.63	1/4	1,482.18	1/4	1,126.52	1/4	775.68	1/4	414.24	1/4	57.40	1/4		1/4	
1/2	2,559.00	1/2	2,197.55	1/2	1,836.10	1/2	1,474.65	1/2	1,119.33	1/2	768.15	1/2	406.71	1/2	51.75	1/2		1/2	
3/4	2,551.47	3/4	2,190.02	3/4	1,828.57	3/4	1,467.12	3/4	1,112.15	3/4	760.62	3/4	399.18	3/4	46.10	3/4		3/4	
2	2,543.94	2	2,182.49	2	1,821.04	2	1,459.59	2	1,104.96	2	753.09	2	391.65	2	40.46	2		2	
1/4	2,536.41	1/4	2,174.96	1/4	1,813.51	1/4	1,452.06	1/4	1,097.77	1/4	745.56	1/4	384.12	1/4	36.07	1/4		1/4	
1/2	2,528.88	1/2	2,167.43	1/2	1,805.98	1/2	1,444.53	1/2	1,090.59	1/2	738.03	1/2	376.59	1/2	31.67	1/2		1/2	
3/4	2,521.35	3/4	2,159.90	3/4	1,798.45	3/4	1,437.00	3/4	1,083.40	3/4	730.50	3/4	369.06	3/4	27.28	3/4		3/4	
3	2,513.82	3	2,152.37	3	1,790.92	3	1,429.47	3	1,076.21	3	722.97	3	361.53	3	22.89	3		3	
1/4	2,506.29	1/4	2,144.84	1/4	1,783.39	1/4	1,421.94	1/4	1,069.03	1/4	715.44	1/4	354.00	1/4		1/4		1/4	
1/2	2,498.76	1/2	2,137.31	1/2	1,775.86	1/2	1,414.41	1/2	1,061.84	1/2	707.91	1/2	346.47	1/2		1/2		1/2	
3/4	2,491.23	3/4	2,129.78	3/4	1,768.33	3/4	1,406.88	3/4	1,054.65	3/4	700.38	3/4	338.94	3/4		3/4		3/4	
4	2,483.70	4	2,122.25	4	1,760.80	4	1,399.35	4	1,047.46	4	692.85	4	331.41	4		4		4	
1/4	2,476.17	1/4	2,114.72	1/4	1,753.27	1/4	1,391.82	1/4	1,040.28	1/4	685.32	1/4	323.88	1/4		1/4		1/4	
1/2	2,468.64	1/2	2,107.19	1/2	1,745.74	1/2	1,384.29	1/2	1,033.09	1/2	677.79	1/2	316.35	1/2		1/2		1/2	
3/4	2,461.11	3/4	2,099.66	3/4	1,738.21	3/4	1,376.76	3/4	1,025.90	3/4	670.26	3/4	308.82	3/4		3/4		3/4	
5	2,453.58	5	2,092.13	5	1,730.68	5	1,369.23	5	1,018.72	5	662.73	5	301.29	5		5		5	
1/4	2,446.05	1/4	2,084.60	1/4	1,723.15	1/4	1,361.70	1/4	1,011.53	1/4	655.20	1/4	293.76	1/4		1/4		1/4	
1/2	2,438.52	1/2	2,077.07	1/2	1,715.62	1/2	1,354.17	1/2	1,004.34	1/2	647.67	1/2	286.23	1/2		1/2		1/2	
3/4	2,430.99	3/4	2,069.54	3/4	1,708.09	3/4	1,346.64	3/4	997.16	3/4	640.14	3/4	278.70	3/4		3/4		3/4	
6	2,423.46	6	2,062.01	6	1,700.56	6	1,339.11	6	989.97	6	632.61	6	271.17	6		6		6	
1/4	2,415.93	1/4	2,054.48	1/4	1,693.03	1/4	1,331.58	1/4	982.78	1/4	625.08	1/4	263.64	1/4		1/4		1/4	
1/2	2,408.40	1/2	2,046.95	1/2	1,685.50	1/2	1,324.05	1/2	975.60	1/2	617.55	1/2	256.11	1/2		1/2		1/2	
3/4	2,400.87	3/4	2,039.42	3/4	1,677.97	3/4	1,316.52	3/4	968.41	3/4	610.02	3/4	248.58	3/4		3/4		3/4	
7	2,393.34	7	2,031.89	7	1,670.44	7	1,308.99	7	961.22	7	602.49	7	241.05	7		7		7	
1/4	2,385.81	1/4	2,024.36	1/4	1,662.91	1/4	1,301.46	1/4	954.04	1/4	594.96	1/4	233.52	1/4		1/4		1/4	
1/2	2,378.28	1/2	2,016.83	1/2	1,655.38	1/2	1,293.93	1/2	946.85	1/2	587.43	1/2	225.99	1/2		1/2		1/2	
3/4	2,370.75	3/4	2,009.30	3/4	1,647.85	3/4	1,286.40	3/4	939.66	3/4	579.90	3/4	218.46	3/4		3/4		3/4	
8	2,363.22	8	2,001.77	8	1,640.32	8	1,278.87	8	932.47	8	572.37	8	210.93	8		8		8	
1/4	2,355.69	1/4	1,994.24	1/4	1,632.79	1/4	1,271.34	1/4	925.28	1/4	564.84	1/4	203.40	1/4		1/4		1/4	
1/2	2,348.16	1/2	1,986.71	1/2	1,625.26	1/2	1,263.81	1/2	918.08	1/2	557.31	1/2	195.87	1/2		1/2		1/2	
3/4	2,340.63	3/4	1,979.18	3/4	1,617.73	3/4	1,256.28	3/4	910.88	3/4	549.78	3/4	188.34	3/4		3/4		3/4	
9	2,333.10	9	1,971.65	9	1,610.20	9	1,248.75	9	903.68	9	542.25	9	180.81	9		9		9	
1/4	2,325.56	1/4	1,964.12	1/4	1,602.67	1/4	1,241.55	1/4	896.15	1/4	534.72	1/4	173.28	1/4		1/4		1/4	
1/2	2,318.03	1/2	1,956.59	1/2	1,595.14	1/2	1,234.35	1/2	888.62	1/2	527.19	1/2	165.76	1/2		1/2		1/2	
3/4	2,310.50	3/4	1,949.05	3/4	1,587.61	3/4	1,227.15	3/4	881.09	3/4	519.66	3/4	158.23	3/4		3/4		3/4	
10	2,302.97	10	1,941.52	10	1,580.08	10	1,219.95	10	873.56	10	512.13	10	150.70	10		10		10	
1/4	2,295.44	1/4	1,933.99	1/4	1,572.54	1/4	1,212.76	1/4	866.03	1/4	504.60	1/4	143.18	1/4		1/4		1/4	
1/2	2,287.91	1/2	1,926.46	1/2	1,565.01	1/2	1,205.58	1/2	858.50	1/2	497.07	1/2	135.66	1/2		1/2		1/2	
3/4	2,280.38	3/4	1,918.93	3/4	1,557.48	3/4	1,198.39	3/4	850.97	3/4	489.54	3/4	128.14	3/4		3/4		3/4	
11	2,272.85	11	1,911.40	11	1,549.95	11	1,191.20	11	843.44	11	482.01	11	120.62	11		11		11	
1/4	2,265.32	1/4	1,903.87	1/4	1,542.42	1/4	1,184.02	1/4	835.91	1/4	474.48	1/4	113.13	1/4		1/4		1/4	
1/2	2,257.79	1/2	1,896.34	1/2	1,534.89	1/2	1,176.83	1/2	828.38	1/2	466.95	1/2	105.63	1/2		1/2		1/2	
3/4	2,250.26	3/4	1,888.81	3/4	1,527.36	3/4	1,169.64	3/4	820.85	3/4	459.42	3/4	98.14	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/25/2013 SW  
NAME CHANGE: 06/05/2023 JS  
VERIFIED: 06/05/2023

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2023

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "KIRBY 29071"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 304"

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	4,350.53	0	4,171.93	0	3,983.01	0	3,789.60	0	3,596.18	0	3,317.05	0	2,958.93
1/4		1/4		1/4		1/4	4,346.92	1/4	4,168.10	1/4	3,978.98	1/4	3,785.57	1/4	3,592.15	1/4	3,309.61	1/4	2,951.45
1/2		1/2		1/2		1/2	4,343.32	1/2	4,164.26	1/2	3,974.95	1/2	3,781.54	1/2	3,588.12	1/2	3,302.17	1/2	2,943.98
3/4		3/4		3/4		3/4	4,339.72	3/4	4,160.43	3/4	3,970.92	3/4	3,777.51	3/4	3,584.09	3/4	3,294.72	3/4	2,936.50
1		1		1		1	4,336.10	1	4,156.58	1	3,966.89	1	3,773.48	1	3,580.06	1	3,287.28	1	2,929.02
1/4		1/4		1/4		1/4	4,332.48	1/4	4,152.74	1/4	3,962.86	1/4	3,769.45	1/4	3,576.03	1/4	3,279.84	1/4	2,921.54
1/2		1/2		1/2		1/2	4,328.86	1/2	4,148.89	1/2	3,958.83	1/2	3,765.42	1/2	3,572.00	1/2	3,272.39	1/2	2,914.07
3/4		3/4		3/4		3/4	4,325.24	3/4	4,145.04	3/4	3,954.81	3/4	3,761.39	3/4	3,567.97	3/4	3,264.95	3/4	2,906.59
2		2		2		2	4,321.61	2	4,141.16	2	3,950.78	2	3,757.36	2	3,563.94	2	3,257.51	2	2,899.11
1/4		1/4		1/4		1/4	4,317.97	1/4	4,137.28	1/4	3,946.75	1/4	3,753.33	1/4	3,559.91	1/4	3,250.06	1/4	2,891.63
1/2		1/2		1/2		1/2	4,314.34	1/2	4,133.40	1/2	3,942.72	1/2	3,749.30	1/2	3,555.88	1/2	3,242.62	1/2	2,884.16
3/4		3/4		3/4		3/4	4,310.71	3/4	4,129.53	3/4	3,938.69	3/4	3,745.27	3/4	3,551.86	3/4	3,235.18	3/4	2,876.68
3		3		3		3	4,307.05	3	4,125.63	3	3,934.66	3	3,741.24	3	3,547.83	3	3,227.74	3	2,869.20
1/4		1/4		1/4		1/4	4,303.40	1/4	4,121.74	1/4	3,930.63	1/4	3,737.21	1/4	3,543.80	1/4	3,220.29	1/4	2,861.73
1/2		1/2		1/2		1/2	4,299.75	1/2	4,117.84	1/2	3,926.60	1/2	3,733.18	1/2	3,539.77	1/2	3,212.85	1/2	2,854.25
3/4		3/4		3/4		3/4	4,296.10	3/4	4,113.95	3/4	3,922.57	3/4	3,729.15	3/4	3,535.74	3/4	3,205.41	3/4	2,846.77
4		4		4		4	4,292.40	4	4,110.04	4	3,918.54	4	3,725.12	4	3,531.71	4	3,197.96	4	2,839.29
1/4		1/4		1/4		1/4	4,288.69	1/4	4,106.13	1/4	3,914.51	1/4	3,721.09	1/4	3,527.68	1/4	3,190.52	1/4	2,831.82
1/2		1/2		1/2		1/2	4,284.99	1/2	4,102.22	1/2	3,910.48	1/2	3,717.06	1/2	3,523.65	1/2	3,183.08	1/2	2,824.34
3/4		3/4		3/4		3/4	4,281.28	3/4	4,098.31	3/4	3,906.45	3/4	3,713.04	3/4	3,519.62	3/4	3,175.63	3/4	2,816.86
5		5		5		5	4,277.56	5	4,094.38	5	3,902.42	5	3,709.01	5	3,515.59	5	3,168.19	5	2,809.38
1/4		1/4		1/4		1/4	4,273.84	1/4	4,090.45	1/4	3,898.39	1/4	3,704.98	1/4	3,511.56	1/4	3,160.75	1/4	2,801.91
1/2		1/2		1/2		1/2	4,270.12	1/2	4,086.53	1/2	3,894.36	1/2	3,700.95	1/2	3,507.53	1/2	3,153.31	1/2	2,794.43
3/4		3/4		3/4		3/4	4,266.40	3/4	4,082.60	3/4	3,890.33	3/4	3,696.92	3/4	3,503.50	3/4	3,145.86	3/4	2,786.95
6		6		6		6	4,262.66	6	4,078.66	6	3,886.30	6	3,692.89	6	3,496.04	6	3,138.39	6	2,779.46
1/4		1/4		1/4		1/4	4,258.92	1/4	4,074.72	1/4	3,882.27	1/4	3,688.86	1/4	3,488.58	1/4	3,130.91	1/4	2,771.97
1/2		1/2		1/2		1/2	4,255.19	1/2	4,070.78	1/2	3,878.24	1/2	3,684.83	1/2	3,481.13	1/2	3,123.43	1/2	2,764.48
3/4		3/4		3/4	4,406.19	3/4	4,251.45	3/4	4,066.83	3/4	3,874.22	3/4	3,680.80	3/4	3,473.67	3/4	3,115.95	3/4	2,756.99
7		7		7	4,405.32	7	4,247.70	7	4,062.88	7	3,870.19	7	3,676.77	7	3,466.21	7	3,108.48	7	2,749.50
1/4		1/4		1/4	4,404.45	1/4	4,243.95	1/4	4,058.92	1/4	3,866.16	1/4	3,672.74	1/4	3,458.75	1/4	3,101.00	1/4	2,742.00
1/2		1/2		1/2	4,403.58	1/2	4,240.19	1/2	4,054.96	1/2	3,862.13	1/2	3,668.71	1/2	3,451.29	1/2	3,093.52	1/2	2,734.51
3/4		3/4		3/4	4,402.71	3/4	4,236.44	3/4	4,051.00	3/4	3,858.10	3/4	3,664.68	3/4	3,443.83	3/4	3,086.04	3/4	2,727.02
8		8		8	4,400.61	8	4,232.67	8	4,047.03	8	3,854.07	8	3,660.65	8	3,436.37	8	3,078.57	8	2,719.53
1/4		1/4		1/4	4,398.51	1/4	4,228.90	1/4	4,043.05	1/4	3,850.04	1/4	3,656.62	1/4	3,428.92	1/4	3,071.09	1/4	2,712.04
1/2		1/2		1/2	4,396.40	1/2	4,225.13	1/2	4,039.08	1/2	3,846.01	1/2	3,652.59	1/2	3,421.46	1/2	3,063.61	1/2	2,704.55
3/4		3/4		3/4	4,394.30	3/4	4,221.37	3/4	4,035.11	3/4	3,841.98	3/4	3,648.56	3/4	3,414.00	3/4	3,056.14	3/4	2,697.06
9		9		9	4,391.37	9	4,217.58	9	4,031.12	9	3,837.95	9	3,644.53	9	3,406.54	9	3,048.66	9	2,689.57
1/4		1/4		1/4	4,388.44	1/4	4,213.80	1/4	4,027.13	1/4	3,833.92	1/4	3,640.50	1/4	3,399.08	1/4	3,041.18	1/4	2,682.08
1/2		1/2		1/2	4,385.51	1/2	4,210.01	1/2	4,023.14	1/2	3,829.89	1/2	3,636.47	1/2	3,391.62	1/2	3,033.70	1/2	2,674.59
3/4		3/4		3/4	4,382.58	3/4	4,206.23	3/4	4,019.15	3/4	3,825.86	3/4	3,632.45	3/4	3,384.16	3/4	3,026.23	3/4	2,667.10
10		10		10	4,379.04	10	4,202.43	10	4,015.14	10	3,821.83	10	3,628.42	10	3,376.70	10	3,018.75	10	2,659.61
1/4		1/4		1/4	4,375.51	1/4	4,198.63	1/4	4,011.14	1/4	3,817.80	1/4	3,624.39	1/4	3,369.25	1/4	3,011.27	1/4	2,652.12
1/2		1/2		1/2	4,371.97	1/2	4,194.83	1/2	4,007.13	1/2	3,813.77	1/2	3,620.36	1/2	3,361.79	1/2	3,003.79	1/2	2,644.63
3/4		3/4		3/4	4,368.43	3/4	4,191.03	3/4	4,003.12	3/4	3,809.74	3/4	3,616.33	3/4	3,354.33	3/4	2,996.32	3/4	2,637.14
11		11		11	4,364.86	11	4,187.21	11	3,999.10	11	3,805.71	11	3,612.30	11	3,346.87	11	2,988.84	11	2,629.65
1/4		1/4		1/4	4,361.28	1/4	4,183.39	1/4	3,995.08	1/4	3,801.68	1/4	3,608.27	1/4	3,339.41	1/4	2,981.36	1/4	2,622.16
1/2		1/2		1/2	4,357.70	1/2	4,179.58	1/2	3,991.06	1/2	3,797.65	1/2	3,604.24	1/2	3,331.95	1/2	2,973.88	1/2	2,614.67
3/4		3/4		3/4	4,354.13	3/4	4,175.76	3/4	3,987.04	3/4	3,793.63	3/4	3,600.21	3/4	3,324.49	3/4	2,966.41	3/4	2,607.18

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 10'-06" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "KIRBY 29071"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 304"

GAUGE HEIGHT 17'-02 3/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	2,599.69	0	2,240.10	0	1,880.48	0	1,520.81	0	1,161.19	0	801.84	0	442.18	0	83.34	0		0	
1/4	2,592.20	1/4	2,232.61	1/4	1,872.99	1/4	1,513.31	1/4	1,153.71	1/4	794.35	1/4	434.69	1/4	76.47	1/4		1/4	
1/2	2,584.71	1/2	2,225.12	1/2	1,865.49	1/2	1,505.82	1/2	1,146.22	1/2	786.85	1/2	427.20	1/2	69.60	1/2		1/2	
3/4	2,577.22	3/4	2,217.63	3/4	1,858.00	3/4	1,498.33	3/4	1,138.74	3/4	779.36	3/4	419.70	3/4	62.74	3/4		3/4	
1	2,569.73	1	2,210.14	1	1,850.51	1	1,490.83	1	1,131.26	1	771.87	1	412.21	1	57.12	1		1	
1/4	2,562.23	1/4	2,202.65	1/4	1,843.01	1/4	1,483.34	1/4	1,123.77	1/4	764.38	1/4	404.72	1/4	51.50	1/4		1/4	
1/2	2,554.74	1/2	2,195.16	1/2	1,835.52	1/2	1,475.85	1/2	1,116.29	1/2	756.88	1/2	397.22	1/2	45.88	1/2		1/2	
3/4	2,547.25	3/4	2,187.66	3/4	1,828.03	3/4	1,468.35	3/4	1,108.80	3/4	749.39	3/4	389.73	3/4	40.26	3/4		3/4	
2	2,539.76	2	2,180.17	2	1,820.53	2	1,460.86	2	1,101.32	2	741.90	2	382.24	2	35.89	2		2	
1/4	2,532.27	1/4	2,172.68	1/4	1,813.04	1/4	1,453.37	1/4	1,093.84	1/4	734.40	1/4	374.75	1/4	31.52	1/4		1/4	
1/2	2,524.78	1/2	2,165.19	1/2	1,805.55	1/2	1,445.87	1/2	1,086.35	1/2	726.91	1/2	367.25	1/2	27.15	1/2		1/2	
3/4	2,517.29	3/4	2,157.70	3/4	1,798.05	3/4	1,438.38	3/4	1,078.87	3/4	719.42	3/4	359.76	3/4	22.78	3/4		3/4	
3	2,509.79	3	2,150.21	3	1,790.56	3	1,430.89	3	1,071.39	3	711.93	3	352.27	3		3		3	
1/4	2,502.30	1/4	2,142.72	1/4	1,783.07	1/4	1,423.39	1/4	1,063.90	1/4	704.43	1/4	344.77	1/4		1/4		1/4	
1/2	2,494.81	1/2	2,135.22	1/2	1,775.57	1/2	1,415.90	1/2	1,056.42	1/2	696.94	1/2	337.28	1/2		1/2		1/2	
3/4	2,487.32	3/4	2,127.73	3/4	1,768.08	3/4	1,408.41	3/4	1,048.93	3/4	689.45	3/4	329.79	3/4		3/4		3/4	
4	2,479.83	4	2,120.24	4	1,760.59	4	1,400.91	4	1,041.45	4	681.95	4	322.29	4		4		4	
1/4	2,472.34	1/4	2,112.75	1/4	1,753.10	1/4	1,393.42	1/4	1,033.97	1/4	674.46	1/4	314.80	1/4		1/4		1/4	
1/2	2,464.85	1/2	2,105.26	1/2	1,745.60	1/2	1,385.93	1/2	1,026.48	1/2	666.97	1/2	307.31	1/2		1/2		1/2	
3/4	2,457.36	3/4	2,097.77	3/4	1,738.11	3/4	1,378.44	3/4	1,019.00	3/4	659.48	3/4	299.82	3/4		3/4		3/4	
5	2,449.86	5	2,090.28	5	1,730.62	5	1,370.94	5	1,011.52	5	651.98	5	292.32	5		5		5	
1/4	2,442.37	1/4	2,082.79	1/4	1,723.12	1/4	1,363.45	1/4	1,004.03	1/4	644.49	1/4	284.83	1/4		1/4		1/4	
1/2	2,434.88	1/2	2,075.29	1/2	1,715.63	1/2	1,355.96	1/2	996.55	1/2	637.00	1/2	277.34	1/2		1/2		1/2	
3/4	2,427.39	3/4	2,067.80	3/4	1,708.14	3/4	1,348.46	3/4	989.06	3/4	629.50	3/4	269.84	3/4		3/4		3/4	
6	2,419.90	6	2,060.31	6	1,700.64	6	1,340.97	6	981.58	6	622.01	6	262.35	6		6		6	
1/4	2,412.41	1/4	2,052.82	1/4	1,693.15	1/4	1,333.48	1/4	974.10	1/4	614.52	1/4	254.86	1/4		1/4		1/4	
1/2	2,404.92	1/2	2,045.33	1/2	1,685.66	1/2	1,325.98	1/2	966.61	1/2	607.02	1/2	247.37	1/2		1/2		1/2	
3/4	2,397.42	3/4	2,037.84	3/4	1,678.16	3/4	1,318.49	3/4	959.13	3/4	599.53	3/4	239.87	3/4		3/4		3/4	
7	2,389.93	7	2,030.34	7	1,670.67	7	1,311.00	7	951.65	7	592.04	7	232.38	7		7		7	
1/4	2,382.44	1/4	2,022.85	1/4	1,663.18	1/4	1,303.50	1/4	944.16	1/4	584.55	1/4	224.89	1/4		1/4		1/4	
1/2	2,374.95	1/2	2,015.36	1/2	1,655.68	1/2	1,296.01	1/2	936.68	1/2	577.05	1/2	217.39	1/2		1/2		1/2	
3/4	2,367.46	3/4	2,007.86	3/4	1,648.19	3/4	1,288.52	3/4	929.20	3/4	569.56	3/4	209.90	3/4		3/4		3/4	
8	2,359.97	8	2,000.37	8	1,640.70	8	1,281.02	8	921.71	8	562.07	8	202.41	8		8		8	
1/4	2,352.48	1/4	1,992.88	1/4	1,633.20	1/4	1,273.53	1/4	914.22	1/4	554.57	1/4	194.92	1/4		1/4		1/4	
1/2	2,344.98	1/2	1,985.38	1/2	1,625.71	1/2	1,266.04	1/2	906.73	1/2	547.08	1/2	187.42	1/2		1/2		1/2	
3/4	2,337.49	3/4	1,977.89	3/4	1,618.22	3/4	1,258.54	3/4	899.25	3/4	539.59	3/4	179.93	3/4		3/4		3/4	
9	2,330.00	9	1,970.40	9	1,610.72	9	1,251.05	9	891.76	9	532.10	9	172.44	9		9		9	
1/4	2,322.51	1/4	1,962.90	1/4	1,603.23	1/4	1,243.56	1/4	884.26	1/4	524.60	1/4	164.95	1/4		1/4		1/4	
1/2	2,315.02	1/2	1,955.41	1/2	1,595.74	1/2	1,236.06	1/2	876.77	1/2	517.11	1/2	157.45	1/2		1/2		1/2	
3/4	2,307.53	3/4	1,947.92	3/4	1,588.24	3/4	1,228.57	3/4	869.28	3/4	509.62	3/4	149.96	3/4		3/4		3/4	
10	2,300.04	10	1,940.43	10	1,580.75	10	1,221.08	10	861.78	10	502.12	10	142.48	10		10		10	
1/4	2,292.54	1/4	1,932.93	1/4	1,573.26	1/4	1,213.59	1/4	854.29	1/4	494.63	1/4	135.00	1/4		1/4		1/4	
1/2	2,285.05	1/2	1,925.44	1/2	1,565.77	1/2	1,206.10	1/2	846.80	1/2	487.14	1/2	127.52	1/2		1/2		1/2	
3/4	2,277.56	3/4	1,917.95	3/4	1,558.27	3/4	1,198.61	3/4	839.30	3/4	479.65	3/4	120.03	3/4		3/4		3/4	
11	2,270.07	11	1,910.45	11	1,550.78	11	1,191.12	11	831.81	11	472.15	11	112.58	11		11		11	
1/4	2,262.58	1/4	1,902.96	1/4	1,543.29	1/4	1,183.64	1/4	824.32	1/4	464.66	1/4	105.12	1/4		1/4		1/4	
1/2	2,255.09	1/2	1,895.47	1/2	1,535.79	1/2	1,176.16	1/2	816.83	1/2	457.17	1/2	97.66	1/2		1/2		1/2	
3/4	2,247.60	3/4	1,887.97	3/4	1,528.30	3/4	1,168.67	3/4	809.33	3/4	449.67	3/4	90.20	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/25/2013 SW  
NAME CHANGE: 06/05/2023 JS  
VERIFIED: 06/05/2023

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2023

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



# BARGE "KIRBY 29071"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 304"

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	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0		
							4,320.96		4,142.73		3,954.22		3,761.40		3,568.59		3,286.62		2,929.14		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,317.37	1/4	4,138.91	1/4	3,950.20	1/4	3,757.39	1/4	3,564.58	1/4	3,279.19	1/4	2,921.68		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,313.78	1/2	4,135.09	1/2	3,946.18	1/2	3,753.37	1/2	3,560.56	1/2	3,271.76	1/2	2,914.23		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,310.17	3/4	4,131.26	3/4	3,942.16	3/4	3,749.35	3/4	3,556.54	3/4	3,264.33	3/4	2,906.77		
<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>4,306.57</b>	<b>1</b>	<b>4,127.42</b>	<b>1</b>	<b>3,938.15</b>	<b>1</b>	<b>3,745.34</b>	<b>1</b>	<b>3,552.53</b>	<b>1</b>	<b>3,256.90</b>	<b>1</b>	<b>2,899.31</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,302.96	1/4	4,123.59	1/4	3,934.13	1/4	3,741.32	1/4	3,548.51	1/4	3,249.46	1/4	2,891.85		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,299.35	1/2	4,119.75	1/2	3,930.11	1/2	3,737.30	1/2	3,544.49	1/2	3,242.03	1/2	2,884.39		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,295.73	3/4	4,115.89	3/4	3,926.10	3/4	3,733.29	3/4	3,540.47	3/4	3,234.60	3/4	2,876.93		
<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>4,292.11</b>	<b>2</b>	<b>4,112.02</b>	<b>2</b>	<b>3,922.08</b>	<b>2</b>	<b>3,729.27</b>	<b>2</b>	<b>3,536.46</b>	<b>2</b>	<b>3,227.17</b>	<b>2</b>	<b>2,869.46</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,288.49	1/4	4,108.15	1/4	3,918.06	1/4	3,725.25	1/4	3,532.44	1/4	3,219.74	1/4	2,861.99		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,284.87	1/2	4,104.29	1/2	3,914.05	1/2	3,721.24	1/2	3,528.42	1/2	3,212.30	1/2	2,854.53		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,281.23	3/4	4,100.41	3/4	3,910.03	3/4	3,717.22	3/4	3,524.41	3/4	3,204.87	3/4	2,847.06		
<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>4,277.59</b>	<b>3</b>	<b>4,096.52</b>	<b>3</b>	<b>3,906.01</b>	<b>3</b>	<b>3,713.20</b>	<b>3</b>	<b>3,520.39</b>	<b>3</b>	<b>3,197.44</b>	<b>3</b>	<b>2,839.60</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,273.95	1/4	4,092.64	1/4	3,902.00	1/4	3,709.18	1/4	3,516.37	1/4	3,190.01	1/4	2,832.13		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,270.31	1/2	4,088.76	1/2	3,897.98	1/2	3,705.17	1/2	3,512.36	1/2	3,182.58	1/2	2,824.66		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,266.62	3/4	4,084.86	3/4	3,893.96	3/4	3,701.15	3/4	3,508.34	3/4	3,175.15	3/4	2,817.20		
<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4,262.93</b>	<b>4</b>	<b>4,080.96</b>	<b>4</b>	<b>3,889.95</b>	<b>4</b>	<b>3,697.13</b>	<b>4</b>	<b>3,504.32</b>	<b>4</b>	<b>3,167.71</b>	<b>4</b>	<b>2,809.73</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,259.24	1/4	4,077.07	1/4	3,885.93	1/4	3,693.12	1/4	3,500.31	1/4	3,160.28	1/4	2,802.27		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,255.54	1/2	4,073.17	1/2	3,881.91	1/2	3,689.10	1/2	3,496.29	1/2	3,152.85	1/2	2,794.80		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,251.83	3/4	4,069.26	3/4	3,877.89	3/4	3,685.08	3/4	3,492.27	3/4	3,145.42	3/4	2,787.33		
<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>4,248.13</b>	<b>5</b>	<b>4,065.34</b>	<b>5</b>	<b>3,873.88</b>	<b>5</b>	<b>3,681.07</b>	<b>5</b>	<b>3,488.25</b>	<b>5</b>	<b>3,137.99</b>	<b>5</b>	<b>2,779.87</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,244.42	1/4	4,061.43	1/4	3,869.86	1/4	3,677.05	1/4	3,484.24	1/4	3,130.55	1/4	2,772.40		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,240.71	1/2	4,057.51	1/2	3,865.84	1/2	3,673.03	1/2	3,480.22	1/2	3,123.12	1/2	2,764.94		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,236.98	3/4	4,053.59	3/4	3,861.83	3/4	3,669.02	3/4	3,472.77	3/4	3,115.66	3/4	2,757.46		
<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>4,233.26</b>	<b>6</b>	<b>4,049.66</b>	<b>6</b>	<b>3,857.81</b>	<b>6</b>	<b>3,665.00</b>	<b>6</b>	<b>3,465.33</b>	<b>6</b>	<b>3,108.19</b>	<b>6</b>	<b>2,749.98</b>		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,229.54	1/4	4,045.73	1/4	3,853.79	1/4	3,660.98	1/4	3,457.88	1/4	3,100.72	1/4	2,742.50		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,379.94	1/2	4,225.81	1/2	4,041.80	1/2	3,849.78	1/2	3,656.96	1/2	3,450.43	1/2	3,093.26	1/2	2,735.02
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,379.08	3/4	4,222.07	3/4	4,037.85	3/4	3,845.76	3/4	3,652.95	3/4	3,442.98	3/4	3,085.79	3/4	2,727.54
<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>4,378.23</b>	<b>7</b>	<b>4,218.33</b>	<b>7</b>	<b>4,033.91</b>	<b>7</b>	<b>3,841.74</b>	<b>7</b>	<b>3,648.93</b>	<b>7</b>	<b>3,435.54</b>	<b>7</b>	<b>3,078.33</b>	<b>7</b>	<b>2,720.06</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,374.37	1/4	4,214.59	1/4	4,029.96	1/4	3,837.73	1/4	3,644.91	1/4	3,428.09	1/4	3,070.86	1/4	2,712.58
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,376.52	1/2	4,210.85	1/2	4,026.01	1/2	3,833.71	1/2	3,640.90	1/2	3,420.64	1/2	3,063.39	1/2	2,705.10
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,374.43	3/4	4,207.10	3/4	4,022.05	3/4	3,829.69	3/4	3,636.88	3/4	3,413.20	3/4	3,055.94	3/4	2,697.62
<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>4,372.34</b>	<b>8</b>	<b>4,203.34</b>	<b>8</b>	<b>4,018.09</b>	<b>8</b>	<b>3,825.67</b>	<b>8</b>	<b>3,632.86</b>	<b>8</b>	<b>3,405.75</b>	<b>8</b>	<b>3,048.48</b>	<b>8</b>	<b>2,690.14</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,370.25	1/4	4,199.58	1/4	4,014.13	1/4	3,821.66	1/4	3,628.85	1/4	3,398.30	1/4	3,041.02	1/4	2,682.66
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,368.16	1/2	4,195.83	1/2	4,010.17	1/2	3,817.64	1/2	3,624.83	1/2	3,390.85	1/2	3,033.56	1/2	2,675.18
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,365.24	3/4	4,192.05	3/4	4,006.19	3/4	3,813.62	3/4	3,620.81	3/4	3,383.41	3/4	3,026.10	3/4	2,667.71
<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>4,362.32</b>	<b>9</b>	<b>4,188.28</b>	<b>9</b>	<b>4,002.22</b>	<b>9</b>	<b>3,809.61</b>	<b>9</b>	<b>3,616.80</b>	<b>9</b>	<b>3,375.96</b>	<b>9</b>	<b>3,018.64</b>	<b>9</b>	<b>2,660.23</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,359.40	1/4	4,184.51	1/4	3,998.24	1/4	3,805.59	1/4	3,612.78	1/4	3,368.51	1/4	3,011.19	1/4	2,652.75
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,356.49	1/2	4,180.74	1/2	3,994.26	1/2	3,801.57	1/2	3,608.76	1/2	3,361.06	1/2	3,003.73	1/2	2,645.27
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,352.96	3/4	4,176.95	3/4	3,990.27	3/4	3,797.56	3/4	3,604.75	3/4	3,353.62	3/4	2,996.27	3/4	2,637.79
<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>4,349.44</b>	<b>10</b>	<b>4,173.16</b>	<b>10</b>	<b>3,986.27</b>	<b>10</b>	<b>3,793.54</b>	<b>10</b>	<b>3,600.73</b>	<b>10</b>	<b>3,346.17</b>	<b>10</b>	<b>2,988.81</b>	<b>10</b>	<b>2,630.31</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,345.92	1/4	4,169.38	1/4	3,982.28	1/4	3,789.52	1/4	3,596.71	1/4	3,338.72	1/4	2,981.35	1/4	2,622.83
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,342.39	1/2	4,165.59	1/2	3,978.29	1/2	3,785.51	1/2	3,592.69	1/2	3,331.28	1/2	2,973.89	1/2	2,615.35
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,338.83	3/4	4,161.78	3/4	3,974.28	3/4	3,781.49	3/4	3,588.68	3/4	3,323.83	3/4	2,966.43	3/4	2,607.87
<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>11</b>	<b>4,335.27</b>	<b>11</b>	<b>4,157.98</b>	<b>11</b>	<b>3,970.27</b>	<b>11</b>	<b>3,777.47</b>	<b>11</b>	<b>3,584.66</b>	<b>11</b>	<b>3,316.38</b>	<b>11</b>	<b>2,958.98</b>	<b>11</b>	<b>2,600.40</b>
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,331.70	1/4	4,154.18	1/4	3,966.26	1/4	3,773.45	1/4	3,580.64	1/4	3,308.93	1/4	2,951.52	1/4	2,592.92
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,328.14	1/2	4,150.37	1/2	3,962.25	1/2	3,769.44	1/2	3,576.63	1/2	3,301.49	1/2	2,944.06	1/2	2,585.44
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,324.55	3/4	4,146.55	3/4	3,958.23	3/4	3,765.42	3/4	3,572.61	3/4	3,294.05	3/4	2,936.60	3/4	2,577.96

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 10'-06" OFF CENTERLINE AND 55'-00" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "KIRBY 29071"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "HBC 304"

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	2,570.48	0	2,211.43	0	1,852.35	0	1,493.22	0	1,137.57	0	793.44	0	434.21	0	76.41	0		0	
1/4	2,563.00	1/4	2,203.95	1/4	1,844.87	1/4	1,485.73	1/4	1,130.43	1/4	785.95	1/4	426.72	1/4	69.56	1/4		1/4	
1/2	2,555.52	1/2	2,196.47	1/2	1,837.38	1/2	1,478.25	1/2	1,123.28	1/2	778.47	1/2	419.24	1/2	62.72	1/2		1/2	
3/4	2,548.04	3/4	2,188.99	3/4	1,829.90	3/4	1,470.83	3/4	1,116.14	3/4	770.99	3/4	411.75	3/4	57.11	3/4		3/4	
1	2,540.56	1	2,181.51	1	1,822.42	1	1,463.41	1	1,108.99	1	763.50	1	404.27	1	51.50	1		1	
1/4	2,533.08	1/4	2,174.03	1/4	1,814.94	1/4	1,455.99	1/4	1,101.84	1/4	756.02	1/4	396.79	1/4	45.89	1/4		1/4	
1/2	2,525.60	1/2	2,166.55	1/2	1,807.46	1/2	1,448.57	1/2	1,094.70	1/2	748.53	1/2	389.30	1/2	40.28	1/2		1/2	
3/4	2,518.12	3/4	2,159.07	3/4	1,799.97	3/4	1,441.15	3/4	1,087.55	3/4	741.05	3/4	381.82	3/4	35.91	3/4		3/4	
2	2,510.64	2	2,151.59	2	1,792.49	2	1,433.73	2	1,080.40	2	733.57	2	374.33	2	31.53	2		2	
1/4	2,503.16	1/4	2,144.11	1/4	1,785.01	1/4	1,426.31	1/4	1,073.26	1/4	726.08	1/4	366.85	1/4	27.16	1/4		1/4	
1/2	2,495.68	1/2	2,136.63	1/2	1,777.53	1/2	1,418.89	1/2	1,066.11	1/2	718.60	1/2	359.37	1/2	22.79	1/2		1/2	
3/4	2,488.20	3/4	2,129.15	3/4	1,770.05	3/4	1,411.47	3/4	1,058.96	3/4	711.11	3/4	351.88	3/4		3/4		3/4	
3	2,480.72	3	2,121.67	3	1,762.56	3	1,404.05	3	1,051.82	3	703.63	3	344.40	3		3		3	
1/4	2,473.24	1/4	2,114.19	1/4	1,755.08	1/4	1,396.63	1/4	1,044.67	1/4	696.15	1/4	336.91	1/4		1/4		1/4	
1/2	2,465.76	1/2	2,106.71	1/2	1,747.60	1/2	1,389.21	1/2	1,037.52	1/2	688.66	1/2	329.43	1/2		1/2		1/2	
3/4	2,458.28	3/4	2,099.23	3/4	1,740.12	3/4	1,381.79	3/4	1,030.38	3/4	681.18	3/4	321.95	3/4		3/4		3/4	
4	2,450.80	4	2,091.75	4	1,732.64	4	1,374.37	4	1,023.23	4	673.69	4	314.46	4		4		4	
1/4	2,443.32	1/4	2,084.27	1/4	1,725.16	1/4	1,366.95	1/4	1,016.08	1/4	666.21	1/4	306.98	1/4		1/4		1/4	
1/2	2,435.84	1/2	2,076.79	1/2	1,717.67	1/2	1,359.53	1/2	1,008.94	1/2	658.73	1/2	299.49	1/2		1/2		1/2	
3/4	2,428.36	3/4	2,069.31	3/4	1,710.19	3/4	1,352.11	3/4	1,001.79	3/4	651.24	3/4	292.01	3/4		3/4		3/4	
5	2,420.87	5	2,061.83	5	1,702.71	5	1,344.69	5	994.64	5	643.76	5	284.53	5		5		5	
1/4	2,413.39	1/4	2,054.35	1/4	1,695.23	1/4	1,337.27	1/4	987.50	1/4	636.27	1/4	277.04	1/4		1/4		1/4	
1/2	2,405.91	1/2	2,046.87	1/2	1,687.75	1/2	1,329.85	1/2	980.35	1/2	628.79	1/2	269.56	1/2		1/2		1/2	
3/4	2,398.43	3/4	2,039.39	3/4	1,680.26	3/4	1,322.43	3/4	973.21	3/4	621.31	3/4	262.07	3/4		3/4		3/4	
6	2,390.95	6	2,031.91	6	1,672.78	6	1,315.01	6	966.06	6	613.82	6	254.59	6		6		6	
1/4	2,383.47	1/4	2,024.43	1/4	1,665.30	1/4	1,307.59	1/4	958.91	1/4	606.34	1/4	247.11	1/4		1/4		1/4	
1/2	2,375.99	1/2	2,016.95	1/2	1,657.82	1/2	1,300.17	1/2	951.77	1/2	598.85	1/2	239.62	1/2		1/2		1/2	
3/4	2,368.51	3/4	2,009.47	3/4	1,650.34	3/4	1,292.75	3/4	944.62	3/4	591.37	3/4	232.14	3/4		3/4		3/4	
7	2,361.03	7	2,001.99	7	1,642.85	7	1,285.33	7	937.47	7	583.89	7	224.65	7		7		7	
1/4	2,353.55	1/4	1,994.50	1/4	1,635.37	1/4	1,277.91	1/4	930.33	1/4	576.40	1/4	217.17	1/4		1/4		1/4	
1/2	2,346.07	1/2	1,987.02	1/2	1,627.89	1/2	1,270.49	1/2	923.18	1/2	568.92	1/2	209.69	1/2		1/2		1/2	
3/4	2,338.59	3/4	1,979.54	3/4	1,620.41	3/4	1,263.07	3/4	916.03	3/4	561.43	3/4	202.20	3/4		3/4		3/4	
8	2,331.11	8	1,972.06	8	1,612.93	8	1,255.65	8	908.88	8	553.95	8	194.72	8		8		8	
1/4	2,323.63	1/4	1,964.58	1/4	1,605.45	1/4	1,248.23	1/4	901.73	1/4	546.47	1/4	187.23	1/4		1/4		1/4	
1/2	2,316.15	1/2	1,957.09	1/2	1,597.96	1/2	1,240.81	1/2	894.58	1/2	538.98	1/2	179.75	1/2		1/2		1/2	
3/4	2,308.67	3/4	1,949.61	3/4	1,590.48	3/4	1,233.40	3/4	887.41	3/4	531.50	3/4	172.27	3/4		3/4		3/4	
9	2,301.19	9	1,942.13	9	1,583.00	9	1,226.00	9	880.24	9	524.01	9	164.79	9		9		9	
1/4	2,293.71	1/4	1,934.65	1/4	1,575.52	1/4	1,218.60	1/4	873.07	1/4	516.53	1/4	157.30	1/4		1/4		1/4	
1/2	2,286.23	1/2	1,927.17	1/2	1,568.04	1/2	1,211.19	1/2	865.89	1/2	509.05	1/2	149.82	1/2		1/2		1/2	
3/4	2,278.75	3/4	1,919.68	3/4	1,560.55	3/4	1,203.79	3/4	858.72	3/4	501.56	3/4	142.34	3/4		3/4		3/4	
10	2,271.27	10	1,912.20	10	1,553.07	10	1,196.39	10	851.55	10	494.08	10	134.86	10		10		10	
1/4	2,263.79	1/4	1,904.72	1/4	1,545.59	1/4	1,188.99	1/4	844.38	1/4	486.59	1/4	127.38	1/4		1/4		1/4	
1/2	2,256.31	1/2	1,897.24	1/2	1,538.11	1/2	1,181.59	1/2	837.21	1/2	479.11	1/2	119.90	1/2		1/2		1/2	
3/4	2,248.83	3/4	1,889.76	3/4	1,530.63	3/4	1,174.16	3/4	830.01	3/4	471.63	3/4	112.45	3/4		3/4		3/4	
11	2,241.35	11	1,882.28	11	1,523.14	11	1,166.73	11	822.81	11	464.14	11	105.00	11		11		11	
1/4	2,233.87	1/4	1,874.79	1/4	1,515.66	1/4	1,159.30	1/4	815.61	1/4	456.66	1/4	97.55	1/4		1/4		1/4	
1/2	2,226.39	1/2	1,867.31	1/2	1,508.18	1/2	1,151.87	1/2	808.41	1/2	449.17	1/2	90.11	1/2		1/2		1/2	
3/4	2,218.91	3/4	1,859.83	3/4	1,500.70	3/4	1,144.72	3/4	800.92	3/4	441.69	3/4	83.26	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/25/2013 SW  
NAME CHANGE: 06/05/2023 JS  
VERIFIED: 06/05/2023

CANCELS AND SUPERCEDES  
ALL PRIOR TO 06/2023

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