



BARGE "KIRBY 11527"

ULLAGE TRIM TABLE

FORMERLY "CGBM 102"

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 CENTER	- 00-1/2	00-1/2	- 00-7/8	00-7/8	- 01-1/4	01-1/4	- 01-3/4	01-3/4	- 02-1/4	02-1/4	- 02-5/8	02-5/8
2 CENTER	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/4	- 01-1/4	01-1/2	- 01-1/2
3 CENTER	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4

(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 CENTER IS 00-7/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 4'-00 7/8"

LENGTH BETWEEN DRAFT MARKS: 167'-06"

February 24, 2022

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 11527"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CGBM 102"

GAUGE HEIGHT 17'-09 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	3,458.87	0	3,249.86	0	3,037.20	0	2,824.54	0	2,610.17	0	2,368.28	0	2,124.96		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,455.83	1/4	3,245.43	1/4	3,032.77	1/4	2,820.11	1/4	2,605.42	1/4	2,363.21	1/4	2,119.89		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,451.91	1/2	3,241.00	1/2	3,028.34	1/2	2,815.68	1/2	2,600.54	1/2	2,358.14	1/2	2,114.82		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,447.98	3/4	3,236.57	3/4	3,023.91	3/4	2,811.25	3/4	2,595.67	3/4	2,353.08	3/4	2,109.75		
1		1		1		1	3,444.06	1	3,232.14	1	3,019.48	1	2,806.82	1	2,590.79	1	2,348.01	1	2,104.68		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,440.13	1/4	3,227.71	1/4	3,015.05	1/4	2,802.39	1/4	2,585.91	1/4	2,342.94	1/4	2,099.61		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,435.76	1/2	3,223.28	1/2	3,010.62	1/2	2,797.96	1/2	2,580.91	1/2	2,337.87	1/2	2,094.54		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,431.39	3/4	3,218.85	3/4	3,006.19	3/4	2,793.53	3/4	2,575.91	3/4	2,332.80	3/4	2,089.48		
2		2		2		2	3,427.02	2	3,214.42	2	3,001.76	2	2,789.10	2	2,570.90	2	2,327.73	2	2,084.41		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,422.65	1/4	3,209.99	1/4	2,997.33	1/4	2,784.67	1/4	2,565.90	1/4	2,322.66	1/4	2,079.34		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,418.22	1/2	3,205.56	1/2	2,992.90	1/2	2,780.24	1/2	2,560.83	1/2	2,317.59	1/2	2,074.27		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,413.79	3/4	3,201.13	3/4	2,988.47	3/4	2,775.81	3/4	2,555.77	3/4	2,312.52	3/4	2,069.20		
3		3		3		3	3,409.36	3	3,196.70	3	2,984.04	3	2,771.38	3	2,550.70	3	2,307.45	3	2,064.13		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,404.93	1/4	3,192.27	1/4	2,979.61	1/4	2,766.95	1/4	2,545.63	1/4	2,302.38	1/4	2,059.06		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,400.50	1/2	3,187.84	1/2	2,975.18	1/2	2,762.52	1/2	2,540.57	1/2	2,297.31	1/2	2,053.99		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,396.07	3/4	3,183.41	3/4	2,970.75	3/4	2,758.09	3/4	2,535.50	3/4	2,292.25	3/4	2,048.92		
4		4		4		4	3,391.64	4	3,178.98	4	2,966.32	4	2,753.66	4	2,530.44	4	2,287.18	4	2,043.85		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,387.21	1/4	3,174.55	1/4	2,961.89	1/4	2,749.23	1/4	2,525.37	1/4	2,282.11	1/4	2,038.78		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,382.78	1/2	3,170.12	1/2	2,957.46	1/2	2,744.80	1/2	2,520.30	1/2	2,277.04	1/2	2,033.71		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,378.35	3/4	3,165.69	3/4	2,953.03	3/4	2,740.37	3/4	2,515.24	3/4	2,271.97	3/4	2,028.65		
5		5		5		5	3,373.91	5	3,161.25	5	2,948.60	5	2,735.94	5	2,510.17	5	2,266.90	5	2,023.58		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,369.48	1/4	3,156.82	1/4	2,944.17	1/4	2,731.51	1/4	2,505.10	1/4	2,261.83	1/4	2,018.51		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,365.05	1/2	3,152.39	1/2	2,939.74	1/2	2,727.08	1/2	2,500.03	1/2	2,256.76	1/2	2,013.44		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,360.62	3/4	3,147.96	3/4	2,935.31	3/4	2,722.65	3/4	2,494.97	3/4	2,251.69	3/4	2,008.37		
6		6		6		6	3,356.19	6	3,143.53	6	2,930.87	6	2,718.21	6	2,489.90	6	2,246.62	6	2,003.30		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,351.76	1/4	3,139.10	1/4	2,926.44	1/4	2,713.78	1/4	2,484.83	1/4	2,241.55	1/4	1,998.23		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,347.33	1/2	3,134.67	1/2	2,922.01	1/2	2,709.35	1/2	2,477.26	1/2	2,236.48	1/2	1,993.16		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,342.90	3/4	3,130.24	3/4	2,917.58	3/4	2,704.92	3/4	2,469.70	3/4	2,231.42	3/4	1,988.09		
7		7		7		7	3,338.47	7	3,125.81	7	2,913.15	7	2,700.49	7	2,462.13	7	2,226.35	7	1,983.02		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,334.04	1/4	3,121.38	1/4	2,908.72	1/4	2,696.06	1/4	2,454.56	1/4	2,221.28	1/4	1,977.95		
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,329.61	1/2	3,116.95	1/2	2,904.29	1/2	2,691.63	1/2	2,451.99	1/2	2,216.21	1/2	1,972.88		
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,325.18	3/4	3,112.52	3/4	2,899.86	3/4	2,687.20	3/4	2,449.43	3/4	2,211.14	3/4	1,967.82		
8		8		8		8	3,320.75	8	3,108.09	8	2,895.43	8	2,682.77	8	2,446.86	8	2,206.07	8	1,962.75		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,483.14	1/4	3,316.32	1/4	3,103.66	1/4	2,891.00	1/4	2,678.34	1/4	2,444.29	1/4	2,201.00	1/4	1,957.68
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,482.77	1/2	3,311.89	1/2	3,099.23	1/2	2,886.57	1/2	2,673.91	1/2	2,439.23	1/2	2,195.93	1/2	1,952.61
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,482.39	3/4	3,307.46	3/4	3,094.80	3/4	2,882.14	3/4	2,669.48	3/4	2,434.16	3/4	2,190.86	3/4	1,947.54
9		9		9		9	3,482.02	9	3,303.03	9	3,090.37	9	2,877.71	9	2,665.05	9	2,429.10	9	2,185.79	9	1,942.47
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,481.64	1/4	3,298.60	1/4	3,085.94	1/4	2,873.28	1/4	2,660.62	1/4	2,424.03	1/4	2,180.72	1/4	1,937.40
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,480.38	1/2	3,294.17	1/2	3,081.51	1/2	2,868.85	1/2	2,656.19	1/2	2,418.96	1/2	2,175.65	1/2	1,932.33
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,479.11	3/4	3,289.74	3/4	3,077.08	3/4	2,864.42	3/4	2,651.76	3/4	2,413.90	3/4	2,170.59	3/4	1,927.26
10		10		10		10	3,477.85	10	3,285.31	10	3,072.65	10	2,859.99	10	2,647.33	10	2,408.83	10	2,165.52	10	1,922.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,476.58	1/4	3,280.88	1/4	3,068.22	1/4	2,855.56	1/4	2,642.90	1/4	2,403.76	1/4	2,160.45	1/4	1,917.12
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,474.43	1/2	3,276.45	1/2	3,063.79	1/2	2,851.13	1/2	2,638.28	1/2	2,398.69	1/2	2,155.38	1/2	1,912.05
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,472.28	3/4	3,272.02	3/4	3,059.36	3/4	2,846.70	3/4	2,633.66	3/4	2,393.63	3/4	2,150.31	3/4	1,906.99
11		11		11		11	3,470.13	11	3,267.58	11	3,054.92	11	2,842.27	11	2,629.03	11	2,388.56	11	2,145.24	11	1,901.92
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,467.98	1/4	3,263.15	1/4	3,050.49	1/4	2,837.84	1/4	2,624.41	1/4	2,383.49	1/4	2,140.17	1/4	1,896.85
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,464.94	1/2	3,258.72	1/2	3,046.06	1/2	2,833.41	1/2	2,619.66	1/2	2,378.42	1/2	2,135.10	1/2	1,891.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,461.91	3/4	3,254.29	3/4	3,041.63	3/4	2,828.98	3/4	2,614.92	3/4	2,373.35	3/4	2,130.03	3/4	1,886.71

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 ON CENTERLINE AND 20'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "KIRBY 11527"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CGBM 102"

GAUGE HEIGHT 17'-09 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	1,881.64	0	1,638.42	0	1,395.23	0	1,152.04	0	908.89	0	666.05	0	423.19	0	179.90	0		0	
1/4	1,876.57	1/4	1,633.35	1/4	1,390.16	1/4	1,146.97	1/4	903.82	1/4	661.00	1/4	418.12	1/4	174.83	1/4		1/4	
1/2	1,871.50	1/2	1,628.28	1/2	1,385.10	1/2	1,141.91	1/2	898.76	1/2	655.95	1/2	413.05	1/2	169.76	1/2		1/2	
3/4	1,866.43	3/4	1,623.22	3/4	1,380.03	3/4	1,136.84	3/4	893.69	3/4	650.90	3/4	407.99	3/4	164.70	3/4		3/4	
1	1,861.36	1	1,618.15	1	1,374.97	1	1,131.78	1	888.63	1	645.85	1	402.92	1	159.63	1		1	
1/4	1,856.29	1/4	1,613.08	1/4	1,369.90	1/4	1,126.71	1/4	883.56	1/4	640.80	1/4	397.85	1/4	154.56	1/4		1/4	
1/2	1,851.22	1/2	1,608.02	1/2	1,364.83	1/2	1,121.64	1/2	878.50	1/2	635.75	1/2	392.78	1/2	149.49	1/2		1/2	
3/4	1,846.16	3/4	1,602.95	3/4	1,359.77	3/4	1,116.58	3/4	873.43	3/4	630.70	3/4	387.71	3/4	144.43	3/4		3/4	
2	1,841.09	2	1,597.89	2	1,354.70	2	1,111.51	2	868.37	2	625.65	2	382.64	2	139.36	2		2	
1/4	1,836.02	1/4	1,592.82	1/4	1,349.63	1/4	1,106.44	1/4	863.30	1/4	620.60	1/4	377.57	1/4	134.29	1/4		1/4	
1/2	1,830.95	1/2	1,587.75	1/2	1,344.57	1/2	1,101.38	1/2	858.24	1/2	615.55	1/2	372.50	1/2	129.22	1/2		1/2	
3/4	1,825.88	3/4	1,582.69	3/4	1,339.50	3/4	1,096.31	3/4	853.17	3/4	610.50	3/4	367.43	3/4	124.15	3/4		3/4	
3	1,820.81	3	1,577.62	3	1,334.44	3	1,091.25	3	848.11	3	605.45	3	362.36	3	119.08	3		3	
1/4	1,815.74	1/4	1,572.55	1/4	1,329.37	1/4	1,086.18	1/4	843.04	1/4	600.40	1/4	357.29	1/4	114.01	1/4		1/4	
1/2	1,810.67	1/2	1,567.49	1/2	1,324.30	1/2	1,081.11	1/2	837.97	1/2	595.35	1/2	352.22	1/2	108.94	1/2		1/2	
3/4	1,805.61	3/4	1,562.42	3/4	1,319.24	3/4	1,076.05	3/4	832.91	3/4	590.30	3/4	347.15	3/4	103.88	3/4		3/4	
4	1,800.54	4	1,557.36	4	1,314.17	4	1,070.98	4	827.84	4	585.25	4	342.08	4	98.81	4		4	
1/4	1,795.47	1/4	1,552.29	1/4	1,309.10	1/4	1,065.91	1/4	822.78	1/4	580.20	1/4	337.01	1/4	93.74	1/4		1/4	
1/2	1,790.41	1/2	1,547.22	1/2	1,304.03	1/2	1,060.85	1/2	817.71	1/2	575.15	1/2	331.94	1/2	88.79	1/2		1/2	
3/4	1,785.34	3/4	1,542.16	3/4	1,298.97	3/4	1,055.78	3/4	812.65	3/4	570.10	3/4	326.88	3/4	83.85	3/4		3/4	
5	1,780.28	5	1,537.09	5	1,293.90	5	1,050.72	5	807.58	5	565.05	5	321.81	5	78.90	5		5	
1/4	1,775.21	1/4	1,532.02	1/4	1,288.83	1/4	1,045.65	1/4	802.52	1/4	560.00	1/4	316.74	1/4	73.95	1/4		1/4	
1/2	1,770.14	1/2	1,526.96	1/2	1,283.77	1/2	1,040.58	1/2	797.45	1/2	554.94	1/2	311.67	1/2	69.14	1/2		1/2	
3/4	1,765.08	3/4	1,521.89	3/4	1,278.70	3/4	1,035.52	3/4	792.38	3/4	549.87	3/4	306.61	3/4	64.34	3/4		3/4	
6	1,760.01	6	1,516.83	6	1,273.64	6	1,030.45	6	787.32	6	544.81	6	301.54	6	59.53	6		6	
1/4	1,754.94	1/4	1,511.76	1/4	1,268.57	1/4	1,025.38	1/4	782.25	1/4	539.74	1/4	296.47	1/4	54.72	1/4		1/4	
1/2	1,749.88	1/2	1,506.69	1/2	1,263.50	1/2	1,020.32	1/2	777.18	1/2	534.68	1/2	291.40	1/2	50.05	1/2		1/2	
3/4	1,744.81	3/4	1,501.63	3/4	1,258.44	3/4	1,015.25	3/4	772.12	3/4	529.61	3/4	286.34	3/4	45.39	3/4		3/4	
7	1,739.75	7	1,496.56	7	1,253.37	7	1,010.19	7	767.05	7	524.55	7	281.27	7	40.72	7		7	
1/4	1,734.68	1/4	1,491.49	1/4	1,248.30	1/4	1,005.12	1/4	761.99	1/4	519.48	1/4	276.20	1/4	36.05	1/4		1/4	
1/2	1,729.61	1/2	1,486.42	1/2	1,243.24	1/2	1,000.06	1/2	756.94	1/2	514.41	1/2	271.13	1/2	31.54	1/2		1/2	
3/4	1,724.55	3/4	1,481.36	3/4	1,238.17	3/4	994.99	3/4	751.89	3/4	509.35	3/4	266.06	3/4	27.02	3/4		3/4	
8	1,719.48	8	1,476.29	8	1,233.11	8	989.93	8	746.84	8	504.28	8	260.99	8	22.51	8		8	
1/4	1,714.41	1/4	1,471.22	1/4	1,228.04	1/4	984.86	1/4	741.79	1/4	499.21	1/4	255.92	1/4	17.99	1/4		1/4	
1/2	1,709.35	1/2	1,466.16	1/2	1,222.97	1/2	979.80	1/2	736.74	1/2	494.14	1/2	250.85	1/2	13.63	1/2		1/2	
3/4	1,704.28	3/4	1,461.09	3/4	1,217.91	3/4	974.73	3/4	731.69	3/4	489.08	3/4	245.79	3/4	9.28	3/4		3/4	
9	1,699.22	9	1,456.03	9	1,212.84	9	969.67	9	726.64	9	484.01	9	240.72	9	4.92	9		9	
1/4	1,694.15	1/4	1,450.96	1/4	1,207.77	1/4	964.60	1/4	721.59	1/4	478.94	1/4	235.65	1/4	0.56	1/4		1/4	
1/2	1,689.08	1/2	1,445.89	1/2	1,202.71	1/2	959.54	1/2	716.54	1/2	473.87	1/2	230.58	1/2		1/2		1/2	
3/4	1,684.02	3/4	1,440.83	3/4	1,197.64	3/4	954.47	3/4	711.49	3/4	468.81	3/4	225.52	3/4		3/4		3/4	
10	1,678.95	10	1,435.76	10	1,192.58	10	949.41	10	706.44	10	463.74	10	220.45	10		10		10	
1/4	1,673.88	1/4	1,430.69	1/4	1,187.51	1/4	944.34	1/4	701.39	1/4	458.67	1/4	215.38	1/4		1/4		1/4	
1/2	1,668.81	1/2	1,425.63	1/2	1,182.44	1/2	939.28	1/2	696.34	1/2	453.60	1/2	210.31	1/2		1/2		1/2	
3/4	1,663.75	3/4	1,420.56	3/4	1,177.38	3/4	934.22	3/4	691.29	3/4	448.54	3/4	205.24	3/4		3/4		3/4	
11	1,658.68	11	1,415.50	11	1,172.31	11	929.15	11	686.25	11	443.47	11	200.17	11		11		11	
1/4	1,653.61	1/4	1,410.43	1/4	1,167.24	1/4	924.09	1/4	681.20	1/4	438.40	1/4	195.10	1/4		1/4		1/4	
1/2	1,648.55	1/2	1,405.36	1/2	1,162.17	1/2	919.02	1/2	676.15	1/2	433.33	1/2	190.03	1/2		1/2		1/2	
3/4	1,643.48	3/4	1,400.30	3/4	1,157.11	3/4	913.96	3/4	671.10	3/4	428.26	3/4	184.97	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED BY: 10/30/2007 INT.
RECALCULATED: 02/24/2022 PMA
NAME CHANGE: 02/24/2022 PMA

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092
Pearland, Texas 77588

<http://www.pmacorp.net>

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2022



BARGE "KIRBY 11527"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CGBM 102"

GAUGE HEIGHT 17'-09 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	4,066.19	0	3,795.08	0	3,519.31	0	3,243.54	0	2,967.77	0	2,692.00	0	2,416.23
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,062.24	1/4	3,789.33	1/4	3,513.56	1/4	3,237.79	1/4	2,962.02	1/4	2,686.25	1/4	2,410.48
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,057.14	1/2	3,783.59	1/2	3,507.82	1/2	3,232.05	1/2	2,956.28	1/2	2,680.51	1/2	2,404.74
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,052.04	3/4	3,777.84	3/4	3,502.07	3/4	3,226.30	3/4	2,950.53	3/4	2,674.76	3/4	2,398.99
1		1		1		1	4,046.94	1	3,772.10	1	3,496.33	1	3,220.56	1	2,944.79	1	2,669.02	1	2,393.25
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,041.84	1/4	3,766.35	1/4	3,490.58	1/4	3,214.81	1/4	2,939.04	1/4	2,663.27	1/4	2,387.50
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,036.17	1/2	3,760.61	1/2	3,484.84	1/2	3,209.07	1/2	2,933.30	1/2	2,657.53	1/2	2,381.76
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,030.49	3/4	3,754.86	3/4	3,479.09	3/4	3,203.32	3/4	2,927.55	3/4	2,651.78	3/4	2,376.01
2		2		2		2	4,024.82	2	3,749.12	2	3,473.35	2	3,197.58	2	2,921.81	2	2,646.04	2	2,370.27
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,019.14	1/4	3,743.37	1/4	3,467.60	1/4	3,191.83	1/4	2,916.06	1/4	2,640.29	1/4	2,364.52
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,013.40	1/2	3,737.63	1/2	3,461.86	1/2	3,186.09	1/2	2,910.32	1/2	2,634.55	1/2	2,358.78
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,007.65	3/4	3,731.88	3/4	3,456.11	3/4	3,180.34	3/4	2,904.57	3/4	2,628.80	3/4	2,353.03
3		3		3		3	4,001.91	3	3,726.14	3	3,450.37	3	3,174.60	3	2,898.83	3	2,623.06	3	2,347.29
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,996.16	1/4	3,720.39	1/4	3,444.62	1/4	3,168.85	1/4	2,893.08	1/4	2,617.31	1/4	2,341.54
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,990.41	1/2	3,714.65	1/2	3,438.88	1/2	3,163.11	1/2	2,887.34	1/2	2,611.57	1/2	2,335.80
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,984.67	3/4	3,708.90	3/4	3,433.13	3/4	3,157.36	3/4	2,881.59	3/4	2,605.82	3/4	2,330.05
4		4		4		4	3,978.92	4	3,703.16	4	3,427.39	4	3,151.62	4	2,875.85	4	2,600.08	4	2,324.31
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,973.17	1/4	3,697.41	1/4	3,421.64	1/4	3,145.87	1/4	2,870.10	1/4	2,594.33	1/4	2,318.56
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,967.43	1/2	3,691.67	1/2	3,415.89	1/2	3,140.13	1/2	2,864.36	1/2	2,588.59	1/2	2,312.82
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,961.68	3/4	3,685.92	3/4	3,410.15	3/4	3,134.38	3/4	2,858.61	3/4	2,582.84	3/4	2,307.07
5		5		5		5	3,955.94	5	3,680.18	5	3,404.40	5	3,128.64	5	2,852.87	5	2,577.10	5	2,301.33
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,950.19	1/4	3,674.43	1/4	3,398.65	1/4	3,122.89	1/4	2,847.12	1/4	2,571.35	1/4	2,295.58
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,944.45	1/2	3,668.68	1/2	3,392.91	1/2	3,117.14	1/2	2,841.37	1/2	2,565.61	1/2	2,289.84
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,938.70	3/4	3,662.94	3/4	3,387.16	3/4	3,111.40	3/4	2,835.63	3/4	2,559.86	3/4	2,284.09
6		6		6		6	3,932.96	6	3,657.19	6	3,381.42	6	3,105.65	6	2,829.88	6	2,554.12	6	2,278.35
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,927.21	1/4	3,651.44	1/4	3,375.67	1/4	3,099.90	1/4	2,824.13	1/4	2,548.37	1/4	2,272.60
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,921.47	1/2	3,645.70	1/2	3,369.93	1/2	3,094.16	1/2	2,818.39	1/2	2,542.62	1/2	2,266.85
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,915.72	3/4	3,639.95	3/4	3,364.18	3/4	3,088.41	3/4	2,812.64	3/4	2,536.88	3/4	2,261.11
7		7		7		7	3,909.98	7	3,634.21	7	3,358.44	7	3,082.67	7	2,806.90	7	2,531.13	7	2,255.36
1/4	1/4	1/4	1/4	1/4	1/4	1/4	3,904.23	1/4	3,628.46	1/4	3,352.69	1/4	3,076.92	1/4	2,801.15	1/4	2,525.38	1/4	2,249.61
1/2	1/2	1/2	1/2	1/2	1/2	1/2	3,898.49	1/2	3,622.72	1/2	3,346.95	1/2	3,071.18	1/2	2,795.41	1/2	2,519.64	1/2	2,243.87
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3,892.74	3/4	3,616.97	3/4	3,341.20	3/4	3,065.43	3/4	2,789.66	3/4	2,513.89	3/4	2,238.12
8		8		8		8	3,887.00	8	3,611.23	8	3,335.46	8	3,059.69	8	2,783.92	8	2,508.15	8	2,232.38
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,097.84	1/4	3,881.25	1/4	3,605.48	1/4	3,329.71	1/4	3,053.94	1/4	2,778.17	1/4	2,226.63
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,097.34	1/2	3,875.51	1/2	3,599.74	1/2	3,323.97	1/2	3,048.20	1/2	2,772.43	1/2	2,496.66
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,096.84	3/4	3,869.76	3/4	3,593.99	3/4	3,318.22	3/4	3,042.45	3/4	2,766.68	3/4	2,490.91
9		9		9		9	4,096.34	9	3,864.02	9	3,588.25	9	3,312.48	9	3,036.71	9	2,760.94	9	2,485.17
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,095.84	1/4	3,858.27	1/4	3,582.50	1/4	3,306.73	1/4	3,030.96	1/4	2,755.19	1/4	2,479.42
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,094.19	1/2	3,852.53	1/2	3,576.76	1/2	3,300.99	1/2	3,025.22	1/2	2,749.45	1/2	2,473.68
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,092.54	3/4	3,846.78	3/4	3,571.01	3/4	3,295.24	3/4	3,019.47	3/4	2,743.70	3/4	2,467.93
10		10		10		10	4,090.89	10	3,841.04	10	3,565.27	10	3,289.50	10	3,013.73	10	2,737.96	10	2,462.19
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,089.24	1/4	3,835.29	1/4	3,559.52	1/4	3,283.75	1/4	3,007.98	1/4	2,732.21	1/4	2,456.44
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,086.44	1/2	3,829.55	1/2	3,553.78	1/2	3,278.01	1/2	3,002.24	1/2	2,726.47	1/2	2,450.70
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,083.64	3/4	3,823.80	3/4	3,548.03	3/4	3,272.26	3/4	2,996.49	3/4	2,720.72	3/4	2,444.95
11		11		11		11	4,080.84	11	3,818.06	11	3,542.29	11	3,266.52	11	2,990.75	11	2,714.98	11	2,439.21
1/4	1/4	1/4	1/4	1/4	1/4	1/4	4,078.04	1/4	3,812.31	1/4	3,536.54	1/4	3,260.77	1/4	2,985.00	1/4	2,709.23	1/4	2,433.46
1/2	1/2	1/2	1/2	1/2	1/2	1/2	4,074.09	1/2	3,806.57	1/2	3,530.80	1/2	3,255.03	1/2	2,979.26	1/2	2,703.49	1/2	2,427.72
3/4	3/4	3/4	3/4	3/4	3/4	3/4	4,070.14	3/4	3,800.82	3/4	3,525.05	3/4	3,249.28	3/4	2,973.51	3/4	2,697.74	3/4	2,421.97

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 ON CENTERLINE AND 33'-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 11527"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CGBM 102"

GAUGE HEIGHT 17'-09 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	2,140.46	0	1,864.69	0	1,588.92	0	1,313.15	0	1,037.43	0	762.15	0	486.88	0	211.09	0		0	
1/4	2,134.71	1/4	1,858.94	1/4	1,583.17	1/4	1,307.40	1/4	1,031.69	1/4	756.43	1/4	481.13	1/4	205.34	1/4		1/4	
1/2	2,128.97	1/2	1,853.20	1/2	1,577.43	1/2	1,301.66	1/2	1,025.95	1/2	750.71	1/2	475.38	1/2	199.60	1/2		1/2	
3/4	2,123.22	3/4	1,847.45	3/4	1,571.68	3/4	1,295.91	3/4	1,020.21	3/4	744.99	3/4	469.64	3/4	193.85	3/4		3/4	
1	2,117.48	1	1,841.71	1	1,565.94	1	1,290.17	1	1,014.46	1	739.26	1	463.89	1	188.11	1		1	
1/4	2,111.73	1/4	1,835.96	1/4	1,560.19	1/4	1,284.42	1/4	1,008.72	1/4	733.54	1/4	458.14	1/4	182.36	1/4		1/4	
1/2	2,105.99	1/2	1,830.22	1/2	1,554.45	1/2	1,278.68	1/2	1,002.98	1/2	727.82	1/2	452.39	1/2	176.61	1/2		1/2	
3/4	2,100.24	3/4	1,824.47	3/4	1,548.70	3/4	1,272.93	3/4	997.24	3/4	722.10	3/4	446.65	3/4	170.87	3/4		3/4	
2	2,094.50	2	1,818.73	2	1,542.96	2	1,267.19	2	991.49	2	716.37	2	440.90	2	165.12	2		2	
1/4	2,088.75	1/4	1,812.98	1/4	1,537.21	1/4	1,261.44	1/4	985.75	1/4	710.65	1/4	435.15	1/4	159.37	1/4		1/4	
1/2	2,083.01	1/2	1,807.24	1/2	1,531.47	1/2	1,255.70	1/2	980.01	1/2	704.93	1/2	429.40	1/2	153.63	1/2		1/2	
3/4	2,077.26	3/4	1,801.49	3/4	1,525.72	3/4	1,249.95	3/4	974.27	3/4	699.21	3/4	423.66	3/4	147.88	3/4		3/4	
3	2,071.52	3	1,795.75	3	1,519.98	3	1,244.21	3	968.52	3	693.48	3	417.91	3	142.14	3		3	
1/4	2,065.77	1/4	1,790.00	1/4	1,514.23	1/4	1,238.46	1/4	962.78	1/4	687.76	1/4	412.16	1/4	136.39	1/4		1/4	
1/2	2,060.03	1/2	1,784.26	1/2	1,508.49	1/2	1,232.72	1/2	957.04	1/2	682.04	1/2	406.42	1/2	130.65	1/2		1/2	
3/4	2,054.28	3/4	1,778.51	3/4	1,502.74	3/4	1,226.97	3/4	951.29	3/4	676.32	3/4	400.67	3/4	124.90	3/4		3/4	
4	2,048.54	4	1,772.77	4	1,497.00	4	1,221.23	4	945.55	4	670.59	4	394.93	4	119.16	4		4	
1/4	2,042.79	1/4	1,767.02	1/4	1,491.25	1/4	1,215.48	1/4	939.80	1/4	664.87	1/4	389.18	1/4	113.41	1/4		1/4	
1/2	2,037.05	1/2	1,761.28	1/2	1,485.51	1/2	1,209.74	1/2	934.06	1/2	659.15	1/2	383.44	1/2	107.68	1/2		1/2	
3/4	2,031.30	3/4	1,755.53	3/4	1,479.76	3/4	1,203.99	3/4	928.32	3/4	653.43	3/4	377.69	3/4	101.96	3/4		3/4	
5	2,025.56	5	1,749.79	5	1,474.02	5	1,198.25	5	922.57	5	647.70	5	371.95	5	96.23	5		5	
1/4	2,019.81	1/4	1,744.04	1/4	1,468.27	1/4	1,192.50	1/4	916.83	1/4	641.98	1/4	366.20	1/4	90.50	1/4		1/4	
1/2	2,014.07	1/2	1,738.30	1/2	1,462.53	1/2	1,186.76	1/2	911.09	1/2	636.24	1/2	360.46	1/2	84.81	1/2		1/2	
3/4	2,008.32	3/4	1,732.55	3/4	1,456.78	3/4	1,181.01	3/4	905.35	3/4	630.50	3/4	354.71	3/4	79.12	3/4		3/4	
6	2,002.58	6	1,726.81	6	1,451.04	6	1,175.27	6	899.60	6	624.75	6	348.97	6	73.43	6		6	
1/4	1,996.83	1/4	1,721.06	1/4	1,445.29	1/4	1,169.52	1/4	893.86	1/4	619.01	1/4	343.22	1/4	67.74	1/4		1/4	
1/2	1,991.09	1/2	1,715.32	1/2	1,439.55	1/2	1,163.78	1/2	888.12	1/2	613.27	1/2	337.48	1/2	62.09	1/2		1/2	
3/4	1,985.34	3/4	1,709.57	3/4	1,433.80	3/4	1,158.03	3/4	882.38	3/4	607.53	3/4	331.73	3/4	56.43	3/4		3/4	
7	1,979.60	7	1,703.83	7	1,428.06	7	1,152.29	7	876.63	7	601.78	7	325.99	7	50.78	7		7	
1/4	1,973.85	1/4	1,698.08	1/4	1,422.31	1/4	1,146.54	1/4	870.89	1/4	596.04	1/4	320.24	1/4	45.12	1/4		1/4	
1/2	1,968.10	1/2	1,692.33	1/2	1,416.57	1/2	1,140.80	1/2	865.17	1/2	590.29	1/2	314.50	1/2	39.52	1/2		1/2	
3/4	1,962.36	3/4	1,686.59	3/4	1,410.82	3/4	1,135.06	3/4	859.45	3/4	584.55	3/4	308.75	3/4	33.93	3/4		3/4	
8	1,956.61	8	1,680.84	8	1,405.08	8	1,129.31	8	853.72	8	578.80	8	303.01	8	28.33	8		8	
1/4	1,950.86	1/4	1,675.09	1/4	1,399.33	1/4	1,123.57	1/4	848.00	1/4	573.05	1/4	297.26	1/4	22.73	1/4		1/4	
1/2	1,945.12	1/2	1,669.35	1/2	1,393.58	1/2	1,117.83	1/2	842.28	1/2	567.31	1/2	291.52	1/2	17.19	1/2		1/2	
3/4	1,939.37	3/4	1,663.60	3/4	1,387.84	3/4	1,112.09	3/4	836.56	3/4	561.56	3/4	285.77	3/4	11.65	3/4		3/4	
9	1,933.63	9	1,657.86	9	1,382.09	9	1,106.34	9	830.83	9	555.82	9	280.03	9	6.10	9		9	
1/4	1,927.88	1/4	1,652.11	1/4	1,376.34	1/4	1,100.60	1/4	825.11	1/4	550.07	1/4	274.28	1/4	0.56	1/4		1/4	
1/2	1,922.14	1/2	1,646.37	1/2	1,370.60	1/2	1,094.86	1/2	819.39	1/2	544.33	1/2	268.54	1/2		1/2		1/2	
3/4	1,916.39	3/4	1,640.62	3/4	1,364.85	3/4	1,089.12	3/4	813.66	3/4	538.58	3/4	262.79	3/4		3/4		3/4	
10	1,910.65	10	1,634.88	10	1,359.11	10	1,083.37	10	807.94	10	532.84	10	257.05	10		10		10	
1/4	1,904.90	1/4	1,629.13	1/4	1,353.36	1/4	1,077.63	1/4	802.21	1/4	527.09	1/4	251.30	1/4		1/4		1/4	
1/2	1,899.16	1/2	1,623.39	1/2	1,347.62	1/2	1,071.89	1/2	796.49	1/2	521.35	1/2	245.56	1/2		1/2		1/2	
3/4	1,893.41	3/4	1,617.64	3/4	1,341.87	3/4	1,066.14	3/4	790.77	3/4	515.60	3/4	239.81	3/4		3/4		3/4	
11	1,887.67	11	1,611.90	11	1,336.13	11	1,060.40	11	785.04	11	509.86	11	234.07	11		11		11	
1/4	1,881.92	1/4	1,606.15	1/4	1,330.38	1/4	1,054.65	1/4	779.32	1/4	504.11	1/4	228.32	1/4		1/4		1/4	
1/2	1,876.18	1/2	1,600.41	1/2	1,324.64	1/2	1,048.91	1/2	773.60	1/2	498.37	1/2	222.58	1/2		1/2		1/2	
3/4	1,870.43	3/4	1,594.66	3/4	1,318.89	3/4	1,043.17	3/4	767.88	3/4	492.62	3/4	216.83	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED BY: 10/30/2007 INT.
RECALCULATED: 02/24/2022 PMA
NAME CHANGE: 02/24/2022 PMA

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2022



BARGE "KIRBY 11527"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CGBM 102"

GAUGE HEIGHT 17'-09"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	3,640.59	0	3,396.01	0	3,148.87	0	2,901.73	0	2,654.58	0	2,407.44	0	2,160.30
1/4		1/4		1/4		1/4	3,636.02	1/4	3,390.86	1/4	3,143.72	1/4	2,896.58	1/4	2,649.43	1/4	2,402.29	1/4	2,155.15
1/2		1/2		1/2		1/2	3,631.45	1/2	3,385.71	1/2	3,138.57	1/2	2,891.43	1/2	2,644.28	1/2	2,397.14	1/2	2,150.00
3/4		3/4		3/4		3/4	3,626.88	3/4	3,380.57	3/4	3,133.42	3/4	2,886.28	3/4	2,639.14	3/4	2,392.00	3/4	2,144.85
1		1		1		1	3,622.31	1	3,375.42	1	3,128.27	1	2,881.13	1	2,633.99	1	2,386.85	1	2,139.70
1/4		1/4		1/4		1/4	3,617.22	1/4	3,370.27	1/4	3,123.12	1/4	2,875.98	1/4	2,628.84	1/4	2,381.70	1/4	2,134.55
1/2		1/2		1/2		1/2	3,612.14	1/2	3,365.12	1/2	3,117.97	1/2	2,870.83	1/2	2,623.69	1/2	2,376.55	1/2	2,129.40
3/4		3/4		3/4		3/4	3,607.05	3/4	3,359.97	3/4	3,112.83	3/4	2,865.69	3/4	2,618.54	3/4	2,371.40	3/4	2,124.26
2		2		2		2	3,601.96	2	3,354.82	2	3,107.68	2	2,860.54	2	2,613.39	2	2,366.25	2	2,119.11
1/4		1/4		1/4		1/4	3,596.81	1/4	3,349.67	1/4	3,102.53	1/4	2,855.39	1/4	2,608.24	1/4	2,361.10	1/4	2,113.96
1/2		1/2		1/2		1/2	3,591.67	1/2	3,344.52	1/2	3,097.38	1/2	2,850.24	1/2	2,603.09	1/2	2,355.95	1/2	2,108.81
3/4		3/4		3/4		3/4	3,586.52	3/4	3,339.38	3/4	3,092.23	3/4	2,845.09	3/4	2,597.95	3/4	2,350.81	3/4	2,103.66
3		3		3		3	3,581.37	3	3,334.23	3	3,087.08	3	2,839.94	3	2,592.80	3	2,345.66	3	2,098.51
1/4		1/4		1/4		1/4	3,576.22	1/4	3,329.08	1/4	3,081.93	1/4	2,834.79	1/4	2,587.65	1/4	2,340.51	1/4	2,093.36
1/2		1/2		1/2		1/2	3,571.07	1/2	3,323.93	1/2	3,076.78	1/2	2,829.64	1/2	2,582.50	1/2	2,335.36	1/2	2,088.21
3/4		3/4		3/4		3/4	3,565.92	3/4	3,318.78	3/4	3,071.64	3/4	2,824.50	3/4	2,577.35	3/4	2,330.21	3/4	2,083.07
4		4		4		4	3,560.77	4	3,313.63	4	3,066.49	4	2,819.35	4	2,572.20	4	2,325.06	4	2,077.92
1/4		1/4		1/4		1/4	3,555.62	1/4	3,308.48	1/4	3,061.34	1/4	2,814.20	1/4	2,567.05	1/4	2,319.91	1/4	2,072.77
1/2		1/2		1/2		1/2	3,550.48	1/2	3,303.33	1/2	3,056.19	1/2	2,809.05	1/2	2,561.90	1/2	2,314.76	1/2	2,067.62
3/4		3/4		3/4		3/4	3,545.33	3/4	3,298.18	3/4	3,051.04	3/4	2,803.90	3/4	2,556.76	3/4	2,309.62	3/4	2,062.47
5		5		5		5	3,540.18	5	3,293.03	5	3,045.89	5	2,798.75	5	2,551.61	5	2,304.47	5	2,057.32
1/4		1/4		1/4		1/4	3,535.03	1/4	3,287.88	1/4	3,040.74	1/4	2,793.60	1/4	2,546.46	1/4	2,299.32	1/4	2,052.17
1/2		1/2		1/2		1/2	3,529.88	1/2	3,282.73	1/2	3,035.59	1/2	2,788.45	1/2	2,541.31	1/2	2,294.17	1/2	2,047.02
3/4		3/4		3/4		3/4	3,524.73	3/4	3,277.59	3/4	3,030.45	3/4	2,783.30	3/4	2,536.16	3/4	2,289.02	3/4	2,041.88
6		6		6		6	3,519.58	6	3,272.44	6	3,025.30	6	2,778.15	6	2,531.01	6	2,283.87	6	2,036.73
1/4		1/4		1/4		1/4	3,514.43	1/4	3,267.29	1/4	3,020.15	1/4	2,773.00	1/4	2,525.86	1/4	2,278.72	1/4	2,031.58
1/2		1/2		1/2		1/2	3,509.29	1/2	3,262.14	1/2	3,015.00	1/2	2,767.85	1/2	2,520.71	1/2	2,273.57	1/2	2,026.43
3/4		3/4		3/4		3/4	3,504.14	3/4	3,256.99	3/4	3,009.85	3/4	2,762.71	3/4	2,515.57	3/4	2,268.42	3/4	2,021.28
7		7		7		7	3,498.99	7	3,251.84	7	3,004.70	7	2,757.56	7	2,510.42	7	2,263.27	7	2,016.13
1/4		1/4		1/4		1/4	3,493.84	1/4	3,246.69	1/4	2,999.55	1/4	2,752.41	1/4	2,505.27	1/4	2,258.12	1/4	2,010.98
1/2		1/2		1/2		1/2	3,488.69	1/2	3,241.54	1/2	2,994.40	1/2	2,747.26	1/2	2,500.12	1/2	2,252.97	1/2	2,005.83
3/4		3/4		3/4		3/4	3,483.54	3/4	3,236.40	3/4	2,989.26	3/4	2,742.11	3/4	2,494.97	3/4	2,247.83	3/4	2,000.69
8		8		8		8	3,672.49	8	3,478.39	8	3,231.25	8	2,984.11	8	2,736.96	8	2,448.67	8	2,242.68
1/4		1/4		1/4		1/4	3,672.04	1/4	3,473.24	1/4	3,226.10	1/4	2,978.96	1/4	2,731.81	1/4	2,443.52	1/4	2,237.53
1/2		1/2		1/2		1/2	3,671.60	1/2	3,468.10	1/2	3,220.95	1/2	2,973.81	1/2	2,726.66	1/2	2,438.37	1/2	2,232.38
3/4		3/4		3/4		3/4	3,671.15	3/4	3,462.95	3/4	3,215.80	3/4	2,968.66	3/4	2,721.52	3/4	2,433.22	3/4	2,227.23
9		9		9		9	3,670.70	9	3,457.80	9	3,210.65	9	2,963.51	9	2,716.37	9	2,428.07	9	2,222.08
1/4		1/4		1/4		1/4	3,669.22	1/4	3,452.65	1/4	3,205.50	1/4	2,958.36	1/4	2,711.22	1/4	2,422.92	1/4	2,216.93
1/2		1/2		1/2		1/2	3,667.75	1/2	3,447.50	1/2	3,200.35	1/2	2,953.21	1/2	2,706.07	1/2	2,417.77	1/2	2,211.78
3/4		3/4		3/4		3/4	3,666.27	3/4	3,442.35	3/4	3,195.21	3/4	2,948.07	3/4	2,700.92	3/4	2,412.62	3/4	2,206.63
10		10		10		10	3,664.79	10	3,437.20	10	3,190.06	10	2,942.92	10	2,695.77	10	2,407.47	10	2,201.49
1/4		1/4		1/4		1/4	3,662.28	1/4	3,432.05	1/4	3,184.91	1/4	2,937.77	1/4	2,690.62	1/4	2,402.32	1/4	2,196.34
1/2		1/2		1/2		1/2	3,659.77	1/2	3,426.91	1/2	3,179.76	1/2	2,932.62	1/2	2,685.47	1/2	2,397.17	1/2	2,191.19
3/4		3/4		3/4		3/4	3,657.26	3/4	3,421.76	3/4	3,174.61	3/4	2,927.47	3/4	2,680.33	3/4	2,392.02	3/4	2,186.04
11		11		11		11	3,654.75	11	3,416.61	11	3,169.46	11	2,922.32	11	2,675.18	11	2,386.87	11	2,180.89
1/4		1/4		1/4		1/4	3,651.21	1/4	3,411.46	1/4	3,164.31	1/4	2,917.17	1/4	2,670.03	1/4	2,381.72	1/4	2,175.74
1/2		1/2		1/2		1/2	3,647.67	1/2	3,406.31	1/2	3,159.16	1/2	2,912.02	1/2	2,664.88	1/2	2,376.57	1/2	2,170.59
3/4		3/4		3/4		3/4	3,644.13	3/4	3,401.16	3/4	3,154.02	3/4	2,906.88	3/4	2,659.73	3/4	2,371.42	3/4	2,165.44

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 ON CENTERLINE AND 27'-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 11527"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CGBM 102"

GAUGE HEIGHT 17'-09"

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	1,913.16	0	1,666.01	0	1,418.87	0	1,171.73	0	924.65	0	677.97	0	431.25	0	184.08	0		0	
1/4	1,908.01	1/4	1,660.86	1/4	1,413.72	1/4	1,166.58	1/4	919.50	1/4	672.84	1/4	426.10	1/4	178.93	1/4		1/4	
1/2	1,902.86	1/2	1,655.71	1/2	1,408.57	1/2	1,161.43	1/2	914.35	1/2	667.71	1/2	420.94	1/2	173.78	1/2		1/2	
3/4	1,897.71	3/4	1,650.57	3/4	1,403.43	3/4	1,156.28	3/4	909.21	3/4	662.59	3/4	415.79	3/4	168.63	3/4		3/4	
1	1,892.56	1	1,645.42	1	1,398.28	1	1,151.13	1	904.06	1	657.46	1	410.64	1	163.48	1		1	
1/4	1,887.41	1/4	1,640.27	1/4	1,393.13	1/4	1,145.98	1/4	898.91	1/4	652.33	1/4	405.49	1/4	158.33	1/4		1/4	
1/2	1,882.26	1/2	1,635.12	1/2	1,387.98	1/2	1,140.83	1/2	893.76	1/2	647.20	1/2	400.34	1/2	153.18	1/2		1/2	
3/4	1,877.12	3/4	1,629.97	3/4	1,382.83	3/4	1,135.69	3/4	888.62	3/4	642.07	3/4	395.19	3/4	148.04	3/4		3/4	
2	1,871.97	2	1,624.82	2	1,377.68	2	1,130.54	2	883.47	2	636.94	2	390.04	2	142.89	2		2	
1/4	1,866.82	1/4	1,619.67	1/4	1,372.53	1/4	1,125.39	1/4	878.32	1/4	631.81	1/4	384.89	1/4	137.74	1/4		1/4	
1/2	1,861.67	1/2	1,614.52	1/2	1,367.38	1/2	1,120.24	1/2	873.18	1/2	626.68	1/2	379.74	1/2	132.59	1/2		1/2	
3/4	1,856.52	3/4	1,609.38	3/4	1,362.24	3/4	1,115.09	3/4	868.03	3/4	621.56	3/4	374.59	3/4	127.44	3/4		3/4	
3	1,851.37	3	1,604.23	3	1,357.09	3	1,109.94	3	862.89	3	616.43	3	369.44	3	122.29	3		3	
1/4	1,846.22	1/4	1,599.08	1/4	1,351.94	1/4	1,104.79	1/4	857.74	1/4	611.30	1/4	364.29	1/4	117.14	1/4		1/4	
1/2	1,841.07	1/2	1,593.93	1/2	1,346.79	1/2	1,099.64	1/2	852.59	1/2	606.17	1/2	359.14	1/2	111.99	1/2		1/2	
3/4	1,835.93	3/4	1,588.78	3/4	1,341.64	3/4	1,094.50	3/4	847.45	3/4	601.04	3/4	353.99	3/4	106.84	3/4		3/4	
4	1,830.78	4	1,583.63	4	1,336.49	4	1,089.35	4	842.30	4	595.91	4	348.84	4	101.69	4		4	
1/4	1,825.63	1/4	1,578.48	1/4	1,331.34	1/4	1,084.20	1/4	837.15	1/4	590.78	1/4	343.69	1/4	96.56	1/4		1/4	
1/2	1,820.48	1/2	1,573.33	1/2	1,326.19	1/2	1,079.05	1/2	832.00	1/2	585.65	1/2	338.54	1/2	91.42	1/2		1/2	
3/4	1,815.33	3/4	1,568.19	3/4	1,321.05	3/4	1,073.90	3/4	826.86	3/4	580.53	3/4	333.40	3/4	86.29	3/4		3/4	
5	1,810.18	5	1,563.04	5	1,315.90	5	1,068.75	5	821.71	5	575.40	5	328.25	5	81.16	5		5	
1/4	1,805.03	1/4	1,557.89	1/4	1,310.75	1/4	1,063.60	1/4	816.56	1/4	570.25	1/4	323.10	1/4	76.06	1/4		1/4	
1/2	1,799.88	1/2	1,552.74	1/2	1,305.60	1/2	1,058.45	1/2	811.42	1/2	565.10	1/2	317.95	1/2	70.96	1/2		1/2	
3/4	1,794.74	3/4	1,547.59	3/4	1,300.45	3/4	1,053.31	3/4	806.27	3/4	559.96	3/4	312.80	3/4	65.86	3/4		3/4	
6	1,789.59	6	1,542.44	6	1,295.30	6	1,048.16	6	801.13	6	554.81	6	307.65	6	60.76	6		6	
1/4	1,784.44	1/4	1,537.29	1/4	1,290.15	1/4	1,043.01	1/4	795.98	1/4	549.66	1/4	302.50	1/4	55.69	1/4		1/4	
1/2	1,779.29	1/2	1,532.14	1/2	1,285.00	1/2	1,037.86	1/2	790.83	1/2	544.52	1/2	297.35	1/2	50.62	1/2		1/2	
3/4	1,774.14	3/4	1,527.00	3/4	1,279.86	3/4	1,032.71	3/4	785.69	3/4	539.37	3/4	292.21	3/4	45.56	3/4		3/4	
7	1,768.99	7	1,521.85	7	1,274.71	7	1,027.56	7	780.54	7	534.23	7	287.06	7	40.49	7		7	
1/4	1,763.84	1/4	1,516.70	1/4	1,269.56	1/4	1,022.41	1/4	775.41	1/4	529.08	1/4	281.91	1/4	35.47	1/4		1/4	
1/2	1,758.69	1/2	1,511.55	1/2	1,264.41	1/2	1,017.27	1/2	770.28	1/2	523.93	1/2	276.76	1/2	30.46	1/2		1/2	
3/4	1,753.54	3/4	1,506.40	3/4	1,259.26	3/4	1,012.12	3/4	765.16	3/4	518.78	3/4	271.61	3/4	25.44	3/4		3/4	
8	1,748.39	8	1,501.25	8	1,254.11	8	1,006.98	8	760.03	8	513.63	8	266.46	8	20.43	8		8	
1/4	1,743.24	1/4	1,496.10	1/4	1,248.96	1/4	1,001.83	1/4	754.90	1/4	508.48	1/4	261.31	1/4	15.46	1/4		1/4	
1/2	1,738.09	1/2	1,490.95	1/2	1,243.81	1/2	996.69	1/2	749.77	1/2	503.33	1/2	256.16	1/2	10.49	1/2		1/2	
3/4	1,732.95	3/4	1,485.81	3/4	1,238.66	3/4	991.54	3/4	744.64	3/4	498.19	3/4	251.02	3/4	5.53	3/4		3/4	
9	1,727.80	9	1,480.66	9	1,233.51	9	986.40	9	739.51	9	493.04	9	245.87	9	0.56	9		9	
1/4	1,722.65	1/4	1,475.51	1/4	1,228.36	1/4	981.25	1/4	734.38	1/4	487.89	1/4	240.72	1/4		1/4		1/4	
1/2	1,717.50	1/2	1,470.36	1/2	1,223.21	1/2	976.11	1/2	729.25	1/2	482.74	1/2	235.57	1/2		1/2		1/2	
3/4	1,712.35	3/4	1,465.21	3/4	1,218.07	3/4	970.96	3/4	724.13	3/4	477.59	3/4	230.42	3/4		3/4		3/4	
10	1,707.20	10	1,460.06	10	1,212.92	10	965.82	10	719.00	10	472.44	10	225.27	10		10		10	
1/4	1,702.05	1/4	1,454.91	1/4	1,207.77	1/4	960.67	1/4	713.87	1/4	467.29	1/4	220.12	1/4		1/4		1/4	
1/2	1,696.90	1/2	1,449.76	1/2	1,202.62	1/2	955.52	1/2	708.74	1/2	462.14	1/2	214.97	1/2		1/2		1/2	
3/4	1,691.76	3/4	1,444.62	3/4	1,197.47	3/4	950.38	3/4	703.61	3/4	457.00	3/4	209.82	3/4		3/4		3/4	
11	1,686.61	11	1,439.47	11	1,192.32	11	945.23	11	698.48	11	451.85	11	204.67	11		11		11	
1/4	1,681.46	1/4	1,434.32	1/4	1,187.17	1/4	940.08	1/4	693.35	1/4	446.70	1/4	199.52	1/4		1/4		1/4	
1/2	1,676.31	1/2	1,429.17	1/2	1,182.02	1/2	934.94	1/2	688.22	1/2	441.55	1/2	194.37	1/2		1/2		1/2	
3/4	1,671.16	3/4	1,424.02	3/4	1,176.88	3/4	929.79	3/4	683.10	3/4	436.40	3/4	189.23	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED BY: 10/30/2007 INT.
RECALCULATED: 02/24/2022 PMA
NAME CHANGE: 02/24/2022 PMA

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2022