



BARGE "KIRBY 11336"

ULLAGE TRIM TABLE

FORMERLY "CGBM 109"

	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	- 01-3/8	01-3/8	- 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	00-0/8	- 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

(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"

November 17, 2020

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "KIRBY 11336"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CGBM 109"

GAUGE HEIGHT 17'-08"

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	3,448.28	0	3,235.14	0	3,021.99	0	2,808.85	0	2,591.79	0	2,348.25	0	2,104.37
1/4		1/4		1/4		1/4	3,443.84	1/4	3,230.70	1/4	3,017.55	1/4	2,804.41	1/4	2,586.77	1/4	2,343.17	1/4	2,099.29
1/2		1/2		1/2		1/2	3,439.40	1/2	3,226.26	1/2	3,013.11	1/2	2,799.97	1/2	2,581.75	1/2	2,338.08	1/2	2,094.21
3/4		3/4		3/4		3/4	3,434.96	3/4	3,221.82	3/4	3,008.67	3/4	2,795.53	3/4	2,576.74	3/4	2,333.00	3/4	2,089.12
1		1		1		1	3,430.52	1	3,217.38	1	3,004.23	1	2,791.09	1	2,571.72	1	2,327.92	1	2,084.04
1/4		1/4		1/4		1/4	3,426.08	1/4	3,212.94	1/4	2,999.79	1/4	2,786.65	1/4	2,566.64	1/4	2,322.84	1/4	2,078.96
1/2		1/2		1/2		1/2	3,421.64	1/2	3,208.50	1/2	2,995.35	1/2	2,782.21	1/2	2,561.56	1/2	2,317.76	1/2	2,073.88
3/4		3/4		3/4		3/4	3,417.20	3/4	3,204.05	3/4	2,990.91	3/4	2,777.77	3/4	2,556.49	3/4	2,312.68	3/4	2,068.80
2		2		2		2	3,412.76	2	3,199.61	2	2,986.47	2	2,773.33	2	2,551.41	2	2,307.60	2	2,063.72
1/4		1/4		1/4		1/4	3,408.32	1/4	3,195.17	1/4	2,982.03	1/4	2,768.89	1/4	2,546.33	1/4	2,302.52	1/4	2,058.64
1/2		1/2		1/2		1/2	3,403.88	1/2	3,190.73	1/2	2,977.59	1/2	2,764.44	1/2	2,541.25	1/2	2,297.44	1/2	2,053.56
3/4		3/4		3/4		3/4	3,399.44	3/4	3,186.29	3/4	2,973.15	3/4	2,760.00	3/4	2,536.17	3/4	2,292.36	3/4	2,048.48
3		3		3		3	3,395.00	3	3,181.85	3	2,968.71	3	2,755.56	3	2,531.09	3	2,287.28	3	2,043.40
1/4		1/4		1/4		1/4	3,390.56	1/4	3,177.41	1/4	2,964.27	1/4	2,751.12	1/4	2,526.01	1/4	2,282.20	1/4	2,038.32
1/2		1/2		1/2		1/2	3,386.12	1/2	3,172.97	1/2	2,959.83	1/2	2,746.68	1/2	2,520.93	1/2	2,277.11	1/2	2,033.24
3/4		3/4		3/4		3/4	3,381.67	3/4	3,168.53	3/4	2,955.39	3/4	2,742.24	3/4	2,515.86	3/4	2,272.03	3/4	2,028.16
4		4		4		4	3,377.23	4	3,164.09	4	2,950.95	4	2,737.80	4	2,510.78	4	2,266.95	4	2,023.08
1/4		1/4		1/4		1/4	3,372.79	1/4	3,159.65	1/4	2,946.51	1/4	2,733.36	1/4	2,505.70	1/4	2,261.87	1/4	2,018.00
1/2		1/2		1/2		1/2	3,368.35	1/2	3,155.21	1/2	2,942.06	1/2	2,728.92	1/2	2,500.62	1/2	2,256.79	1/2	2,012.92
3/4		3/4		3/4		3/4	3,363.91	3/4	3,150.77	3/4	2,937.62	3/4	2,724.48	3/4	2,495.54	3/4	2,251.71	3/4	2,007.83
5		5		5		5	3,359.47	5	3,146.33	5	2,933.18	5	2,720.04	5	2,490.46	5	2,246.63	5	2,002.75
1/4		1/4		1/4		1/4	3,355.03	1/4	3,141.89	1/4	2,928.74	1/4	2,715.60	1/4	2,485.38	1/4	2,241.55	1/4	1,997.67
1/2		1/2		1/2		1/2	3,350.59	1/2	3,137.45	1/2	2,924.30	1/2	2,711.16	1/2	2,480.30	1/2	2,236.47	1/2	1,992.59
3/4		3/4		3/4		3/4	3,346.15	3/4	3,133.01	3/4	2,919.86	3/4	2,706.72	3/4	2,475.23	3/4	2,231.39	3/4	1,987.51
6		6		6		6	3,341.71	6	3,128.57	6	2,915.42	6	2,702.28	6	2,470.15	6	2,226.31	6	1,982.43
1/4		1/4		1/4		1/4	3,337.27	1/4	3,124.13	1/4	2,910.98	1/4	2,697.84	1/4	2,465.07	1/4	2,221.23	1/4	1,977.35
1/2		1/2		1/2		1/2	3,332.83	1/2	3,119.68	1/2	2,906.54	1/2	2,693.40	1/2	2,459.99	1/2	2,216.14	1/2	1,972.27
3/4		3/4		3/4		3/4	3,328.39	3/4	3,115.24	3/4	2,902.10	3/4	2,688.96	3/4	2,454.92	3/4	2,211.06	3/4	1,967.19
7		7		7	3,492.48	7	3,323.95	7	3,110.80	7	2,897.66	7	2,684.52	7	2,449.84	7	2,205.98	7	1,962.11
1/4		1/4		1/4	3,492.01	1/4	3,319.51	1/4	3,106.36	1/4	2,893.22	1/4	2,680.08	1/4	2,444.76	1/4	2,200.90	1/4	1,957.03
1/2		1/2		1/2	3,491.54	1/2	3,315.07	1/2	3,101.92	1/2	2,888.78	1/2	2,675.63	1/2	2,439.68	1/2	2,195.82	1/2	1,951.95
3/4		3/4		3/4	3,491.06	3/4	3,310.63	3/4	3,097.48	3/4	2,884.34	3/4	2,671.19	3/4	2,434.60	3/4	2,190.74	3/4	1,946.86
8		8		8	3,490.59	8	3,306.19	8	3,093.04	8	2,879.90	8	2,666.75	8	2,429.52	8	2,185.66	8	1,941.78
1/4		1/4		1/4	3,489.25	1/4	3,301.75	1/4	3,088.60	1/4	2,875.46	1/4	2,662.31	1/4	2,424.44	1/4	2,180.58	1/4	1,936.70
1/2		1/2		1/2	3,487.91	1/2	3,297.31	1/2	3,084.16	1/2	2,871.02	1/2	2,657.87	1/2	2,419.36	1/2	2,175.50	1/2	1,931.62
3/4		3/4		3/4	3,486.56	3/4	3,292.86	3/4	3,079.72	3/4	2,866.58	3/4	2,653.43	3/4	2,414.29	3/4	2,170.42	3/4	1,926.54
9		9		9	3,485.22	9	3,288.42	9	3,075.28	9	2,862.14	9	2,648.99	9	2,409.21	9	2,165.34	9	1,921.46
1/4		1/4		1/4	3,483.01	1/4	3,283.98	1/4	3,070.84	1/4	2,857.70	1/4	2,644.35	1/4	2,404.13	1/4	2,160.26	1/4	1,916.38
1/2		1/2		1/2	3,480.80	1/2	3,279.54	1/2	3,066.40	1/2	2,853.25	1/2	2,639.70	1/2	2,399.05	1/2	2,155.18	1/2	1,911.30
3/4		3/4		3/4	3,478.58	3/4	3,275.10	3/4	3,061.96	3/4	2,848.81	3/4	2,635.06	3/4	2,393.97	3/4	2,150.09	3/4	1,906.22
10		10		10	3,476.37	10	3,270.66	10	3,057.52	10	2,844.37	10	2,630.42	10	2,388.89	10	2,145.01	10	1,901.14
1/4		1/4		1/4	3,473.29	1/4	3,266.22	1/4	3,053.08	1/4	2,839.93	1/4	2,625.65	1/4	2,383.81	1/4	2,139.93	1/4	1,896.06
1/2		1/2		1/2	3,470.22	1/2	3,261.78	1/2	3,048.64	1/2	2,835.49	1/2	2,620.88	1/2	2,378.73	1/2	2,134.85	1/2	1,890.98
3/4		3/4		3/4	3,467.14	3/4	3,257.34	3/4	3,044.20	3/4	2,831.05	3/4	2,616.12	3/4	2,373.65	3/4	2,129.77	3/4	1,885.89
11		11		11	3,464.06	11	3,252.90	11	3,039.76	11	2,826.61	11	2,611.35	11	2,368.57	11	2,124.69	11	1,880.81
1/4		1/4		1/4	3,460.12	1/4	3,248.46	1/4	3,035.32	1/4	2,822.17	1/4	2,606.46	1/4	2,363.49	1/4	2,119.61	1/4	1,875.73
1/2		1/2		1/2	3,456.17	1/2	3,244.02	1/2	3,030.87	1/2	2,817.73	1/2	2,601.57	1/2	2,358.41	1/2	2,114.53	1/2	1,870.65
3/4		3/4		3/4	3,452.23	3/4	3,239.58	3/4	3,026.43	3/4	2,813.29	3/4	2,596.68	3/4	2,353.33	3/4	2,109.45	3/4	1,865.57

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 11336"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CGBM 109"

GAUGE HEIGHT 17'-08"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
1/4	1,855.41	1/4	1,611.65	1/4	1,367.92	1/4	1,124.18	1/4	880.49	1/4	637.19	1/4	393.67	1/4	149.83	1/4		1/4	
1/2	1,850.33	1/2	1,606.58	1/2	1,362.84	1/2	1,119.10	1/2	875.41	1/2	632.13	1/2	388.58	1/2	144.75	1/2		1/2	
3/4	1,845.25	3/4	1,601.50	3/4	1,357.77	3/4	1,114.03	3/4	870.34	3/4	627.07	3/4	383.50	3/4	139.67	3/4		3/4	
1	1,840.17	1	1,596.42	1	1,352.69	1	1,108.95	1	865.26	1	622.01	1	378.42	1	134.59	1		1	
1/4	1,835.09	1/4	1,591.34	1/4	1,347.61	1/4	1,103.87	1/4	860.18	1/4	616.95	1/4	373.34	1/4	129.51	1/4		1/4	
1/2	1,830.01	1/2	1,586.26	1/2	1,342.53	1/2	1,098.79	1/2	855.10	1/2	611.88	1/2	368.26	1/2	124.43	1/2		1/2	
3/4	1,824.92	3/4	1,581.19	3/4	1,337.45	3/4	1,093.72	3/4	850.03	3/4	606.82	3/4	363.18	3/4	119.35	3/4		3/4	
2	1,819.84	2	1,576.11	2	1,332.37	2	1,088.64	2	844.95	2	601.76	2	358.10	2	114.27	2		2	
1/4	1,814.76	1/4	1,571.03	1/4	1,327.29	1/4	1,083.56	1/4	839.87	1/4	596.70	1/4	353.02	1/4	109.19	1/4		1/4	
1/2	1,809.69	1/2	1,565.95	1/2	1,322.21	1/2	1,078.48	1/2	834.79	1/2	591.64	1/2	347.94	1/2	104.11	1/2		1/2	
3/4	1,804.61	3/4	1,560.88	3/4	1,317.14	3/4	1,073.41	3/4	829.72	3/4	586.58	3/4	342.86	3/4	99.03	3/4		3/4	
3	1,799.53	3	1,555.80	3	1,312.06	3	1,068.33	3	824.64	3	581.52	3	337.78	3	93.95	3		3	
1/4	1,794.45	1/4	1,550.72	1/4	1,306.98	1/4	1,063.25	1/4	819.56	1/4	576.46	1/4	332.70	1/4	88.99	1/4		1/4	
1/2	1,789.38	1/2	1,545.64	1/2	1,301.90	1/2	1,058.17	1/2	814.49	1/2	571.39	1/2	327.62	1/2	84.03	1/2		1/2	
3/4	1,784.30	3/4	1,540.57	3/4	1,296.83	3/4	1,053.10	3/4	809.41	3/4	566.33	3/4	322.54	3/4	79.08	3/4		3/4	
4	1,779.22	4	1,535.49	4	1,291.75	4	1,048.02	4	804.34	4	561.27	4	317.46	4	74.12	4		4	
1/4	1,774.14	1/4	1,530.41	1/4	1,286.67	1/4	1,042.94	1/4	799.26	1/4	556.19	1/4	312.38	1/4	69.30	1/4		1/4	
1/2	1,769.07	1/2	1,525.33	1/2	1,281.59	1/2	1,037.86	1/2	794.18	1/2	551.12	1/2	307.30	1/2	64.48	1/2		1/2	
3/4	1,763.99	3/4	1,520.26	3/4	1,276.52	3/4	1,032.79	3/4	789.11	3/4	546.04	3/4	302.22	3/4	59.67	3/4		3/4	
5	1,758.91	5	1,515.18	5	1,271.44	5	1,027.71	5	784.03	5	540.97	5	297.14	5	54.85	5		5	
1/4	1,753.83	1/4	1,510.10	1/4	1,266.36	1/4	1,022.63	1/4	778.95	1/4	535.89	1/4	292.06	1/4	50.17	1/4		1/4	
1/2	1,748.76	1/2	1,505.02	1/2	1,261.28	1/2	1,017.55	1/2	773.87	1/2	530.81	1/2	286.98	1/2	45.49	1/2		1/2	
3/4	1,743.68	3/4	1,499.94	3/4	1,256.21	3/4	1,012.48	3/4	768.80	3/4	525.74	3/4	281.90	3/4	40.81	3/4		3/4	
6	1,738.60	6	1,494.86	6	1,251.13	6	1,007.40	6	763.72	6	520.66	6	276.82	6	36.13	6		6	
1/4	1,733.52	1/4	1,489.78	1/4	1,246.05	1/4	1,002.32	1/4	758.66	1/4	515.58	1/4	271.74	1/4	31.60	1/4		1/4	
1/2	1,728.45	1/2	1,484.70	1/2	1,240.97	1/2	997.24	1/2	753.60	1/2	510.50	1/2	266.66	1/2	27.08	1/2		1/2	
3/4	1,723.37	3/4	1,479.63	3/4	1,235.90	3/4	992.17	3/4	748.54	3/4	505.42	3/4	261.59	3/4	22.55	3/4		3/4	
7	1,718.29	7	1,474.55	7	1,230.82	7	987.09	7	743.48	7	500.34	7	256.51	7	18.03	7		7	
1/4	1,713.21	1/4	1,469.47	1/4	1,225.74	1/4	982.01	1/4	738.42	1/4	495.26	1/4	251.43	1/4	13.66	1/4		1/4	
1/2	1,708.14	1/2	1,464.39	1/2	1,220.66	1/2	976.94	1/2	733.35	1/2	490.18	1/2	246.35	1/2	9.29	1/2		1/2	
3/4	1,703.06	3/4	1,459.32	3/4	1,215.59	3/4	971.86	3/4	728.29	3/4	485.11	3/4	241.27	3/4	4.93	3/4		3/4	
8	1,697.98	8	1,454.24	8	1,210.51	8	966.79	8	723.23	8	480.03	8	236.19	8	0.56	8		8	
1/4	1,692.90	1/4	1,449.16	1/4	1,205.43	1/4	961.71	1/4	718.17	1/4	474.95	1/4	231.11	1/4		1/4		1/4	
1/2	1,687.82	1/2	1,444.08	1/2	1,200.35	1/2	956.63	1/2	713.11	1/2	469.87	1/2	226.03	1/2		1/2		1/2	
3/4	1,682.74	3/4	1,439.01	3/4	1,195.28	3/4	951.56	3/4	708.05	3/4	464.79	3/4	220.95	3/4		3/4		3/4	
9	1,677.66	9	1,433.93	9	1,190.20	9	946.48	9	702.99	9	459.71	9	215.87	9		9		9	
1/4	1,672.58	1/4	1,428.85	1/4	1,185.12	1/4	941.40	1/4	697.93	1/4	454.63	1/4	210.79	1/4		1/4		1/4	
1/2	1,667.51	1/2	1,423.77	1/2	1,180.04	1/2	936.33	1/2	692.86	1/2	449.55	1/2	205.71	1/2		1/2		1/2	
3/4	1,662.43	3/4	1,418.70	3/4	1,174.96	3/4	931.25	3/4	687.80	3/4	444.48	3/4	200.63	3/4		3/4		3/4	
10	1,657.35	10	1,413.62	10	1,169.88	10	926.18	10	682.74	10	439.40	10	195.55	10		10		10	
1/4	1,652.27	1/4	1,408.54	1/4	1,164.80	1/4	921.10	1/4	677.68	1/4	434.32	1/4	190.47	1/4		1/4		1/4	
1/2	1,647.20	1/2	1,403.46	1/2	1,159.72	1/2	916.02	1/2	672.62	1/2	429.23	1/2	185.39	1/2		1/2		1/2	
3/4	1,642.12	3/4	1,398.39	3/4	1,154.65	3/4	910.95	3/4	667.56	3/4	424.15	3/4	180.31	3/4		3/4		3/4	
11	1,637.04	11	1,393.31	11	1,149.57	11	905.87	11	662.50	11	419.07	11	175.23	11		11		11	
1/4	1,631.96	1/4	1,388.23	1/4	1,144.49	1/4	900.79	1/4	657.44	1/4	413.99	1/4	170.15	1/4		1/4		1/4	
1/2	1,626.89	1/2	1,383.15	1/2	1,139.41	1/2	895.72	1/2	652.37	1/2	408.91	1/2	165.07	1/2		1/2		1/2	
3/4	1,621.81	3/4	1,378.08	3/4	1,134.34	3/4	890.64	3/4	647.31	3/4	403.83	3/4	159.99	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/10/2010 INT
CALCULATED: 11/18/2020 SW
NAME CHANGE: 11/18/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2020

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



BARGE "KIRBY 11336"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CGBM 109"

GAUGE HEIGHT 17'-07 1/4"

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

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE.
 GAUGE POINT: (HERMETIC) LOCATED 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 11336"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CGBM 109"

GAUGE HEIGHT 17'-07 1/4"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
0	2,091.66	0	1,816.29	0	1,540.92	0	1,265.57	0	990.24	0	715.47	0	440.35	0	164.92	0		0	
1/4	2,085.92	1/4	1,810.55	1/4	1,535.19	1/4	1,259.83	1/4	984.51	1/4	709.76	1/4	434.61	1/4	159.18	1/4		1/4	
1/2	2,080.18	1/2	1,804.81	1/2	1,529.45	1/2	1,254.09	1/2	978.77	1/2	704.04	1/2	428.87	1/2	153.44	1/2		1/2	
3/4	2,074.44	3/4	1,799.07	3/4	1,523.71	3/4	1,248.36	3/4	973.04	3/4	698.33	3/4	423.13	3/4	147.70	3/4		3/4	
1	2,068.70	1	1,793.34	1	1,517.98	1	1,242.62	1	967.30	1	692.61	1	417.39	1	141.96	1		1	
1/4	2,062.96	1/4	1,787.60	1/4	1,512.24	1/4	1,236.88	1/4	961.56	1/4	686.90	1/4	411.65	1/4	136.22	1/4		1/4	
1/2	2,057.22	1/2	1,781.86	1/2	1,506.50	1/2	1,231.14	1/2	955.83	1/2	681.18	1/2	405.91	1/2	130.48	1/2		1/2	
3/4	2,051.49	3/4	1,776.12	3/4	1,500.76	3/4	1,225.41	3/4	950.09	3/4	675.46	3/4	400.17	3/4	124.74	3/4		3/4	
2	2,045.75	2	1,770.39	2	1,495.03	2	1,219.67	2	944.36	2	669.75	2	394.44	2	119.01	2		2	
1/4	2,040.02	1/4	1,764.65	1/4	1,489.29	1/4	1,213.93	1/4	938.62	1/4	664.03	1/4	388.70	1/4	113.27	1/4		1/4	
1/2	2,034.28	1/2	1,758.91	1/2	1,483.55	1/2	1,208.19	1/2	932.89	1/2	658.31	1/2	382.96	1/2	107.55	1/2		1/2	
3/4	2,028.54	3/4	1,753.18	3/4	1,477.82	3/4	1,202.46	3/4	927.15	3/4	652.60	3/4	377.22	3/4	101.83	3/4		3/4	
3	2,022.81	3	1,747.44	3	1,472.08	3	1,196.72	3	921.42	3	646.88	3	371.48	3	96.11	3		3	
1/4	2,017.07	1/4	1,741.71	1/4	1,466.35	1/4	1,190.98	1/4	915.68	1/4	641.17	1/4	365.74	1/4	90.39	1/4		1/4	
1/2	2,011.33	1/2	1,735.97	1/2	1,460.61	1/2	1,185.25	1/2	909.94	1/2	635.43	1/2	360.00	1/2	84.70	1/2		1/2	
3/4	2,005.59	3/4	1,730.23	3/4	1,454.87	3/4	1,179.51	3/4	904.21	3/4	629.70	3/4	354.26	3/4	79.02	3/4		3/4	
4	1,999.86	4	1,724.50	4	1,449.14	4	1,173.78	4	898.47	4	623.96	4	348.53	4	73.33	4		4	
1/4	1,994.12	1/4	1,718.76	1/4	1,443.40	1/4	1,168.04	1/4	892.73	1/4	618.23	1/4	342.79	1/4	67.65	1/4		1/4	
1/2	1,988.38	1/2	1,713.02	1/2	1,437.66	1/2	1,162.30	1/2	887.00	1/2	612.49	1/2	337.05	1/2	62.00	1/2		1/2	
3/4	1,982.65	3/4	1,707.28	3/4	1,431.92	3/4	1,156.57	3/4	881.26	3/4	606.76	3/4	331.31	3/4	56.36	3/4		3/4	
5	1,976.91	5	1,701.55	5	1,426.19	5	1,150.83	5	875.53	5	601.02	5	325.58	5	50.71	5		5	
1/4	1,971.18	1/4	1,695.81	1/4	1,420.45	1/4	1,145.09	1/4	869.79	1/4	595.29	1/4	319.84	1/4	45.07	1/4		1/4	
1/2	1,965.44	1/2	1,690.07	1/2	1,414.71	1/2	1,139.36	1/2	864.08	1/2	589.55	1/2	314.10	1/2	39.48	1/2		1/2	
3/4	1,959.70	3/4	1,684.34	3/4	1,408.98	3/4	1,133.62	3/4	858.36	3/4	583.81	3/4	308.36	3/4	33.88	3/4		3/4	
6	1,953.97	6	1,678.60	6	1,403.24	6	1,127.89	6	852.65	6	578.08	6	302.63	6	28.29	6		6	
1/4	1,948.23	1/4	1,672.87	1/4	1,397.51	1/4	1,122.15	1/4	846.93	1/4	572.34	1/4	296.89	1/4	22.70	1/4		1/4	
1/2	1,942.49	1/2	1,667.13	1/2	1,391.77	1/2	1,116.42	1/2	841.21	1/2	566.60	1/2	291.15	1/2	17.16	1/2		1/2	
3/4	1,936.75	3/4	1,661.39	3/4	1,386.03	3/4	1,110.68	3/4	835.50	3/4	560.86	3/4	285.41	3/4	11.63	3/4		3/4	
7	1,931.02	7	1,655.66	7	1,380.30	7	1,104.95	7	829.78	7	555.13	7	279.68	7	6.09	7		7	
1/4	1,925.28	1/4	1,649.92	1/4	1,374.56	1/4	1,099.21	1/4	824.07	1/4	549.39	1/4	273.94	1/4	0.56	1/4		1/4	
1/2	1,919.54	1/2	1,644.18	1/2	1,368.82	1/2	1,093.48	1/2	818.35	1/2	543.65	1/2	268.20	1/2		1/2		1/2	
3/4	1,913.81	3/4	1,638.44	3/4	1,363.09	3/4	1,087.74	3/4	812.64	3/4	537.91	3/4	262.46	3/4		3/4		3/4	
8	1,908.07	8	1,632.71	8	1,357.35	8	1,082.01	8	806.92	8	532.17	8	256.73	8		8		8	
1/4	1,902.34	1/4	1,626.97	1/4	1,351.61	1/4	1,076.27	1/4	801.21	1/4	526.43	1/4	250.99	1/4		1/4		1/4	
1/2	1,896.60	1/2	1,621.23	1/2	1,345.88	1/2	1,070.54	1/2	795.49	1/2	520.69	1/2	245.25	1/2		1/2		1/2	
3/4	1,890.86	3/4	1,615.50	3/4	1,340.14	3/4	1,064.80	3/4	789.77	3/4	514.95	3/4	239.51	3/4		3/4		3/4	
9	1,885.13	9	1,609.76	9	1,334.41	9	1,059.07	9	784.06	9	509.22	9	233.77	9		9		9	
1/4	1,879.39	1/4	1,604.03	1/4	1,328.67	1/4	1,053.33	1/4	778.34	1/4	503.48	1/4	228.03	1/4		1/4		1/4	
1/2	1,873.65	1/2	1,598.29	1/2	1,322.93	1/2	1,047.60	1/2	772.62	1/2	497.74	1/2	222.29	1/2		1/2		1/2	
3/4	1,867.91	3/4	1,592.55	3/4	1,317.20	3/4	1,041.86	3/4	766.91	3/4	492.00	3/4	216.55	3/4		3/4		3/4	
10	1,862.18	10	1,586.82	10	1,311.46	10	1,036.13	10	761.19	10	486.26	10	210.82	10		10		10	
1/4	1,856.44	1/4	1,581.08	1/4	1,305.72	1/4	1,030.39	1/4	755.48	1/4	480.52	1/4	205.08	1/4		1/4		1/4	
1/2	1,850.70	1/2	1,575.34	1/2	1,299.98	1/2	1,024.66	1/2	749.76	1/2	474.78	1/2	199.34	1/2		1/2		1/2	
3/4	1,844.97	3/4	1,569.60	3/4	1,294.25	3/4	1,018.92	3/4	744.05	3/4	469.04	3/4	193.60	3/4		3/4		3/4	
11	1,839.23	11	1,563.87	11	1,288.51	11	1,013.19	11	738.33	11	463.31	11	187.87	11		11		11	
1/4	1,833.50	1/4	1,558.13	1/4	1,282.77	1/4	1,007.45	1/4	732.62	1/4	457.57	1/4	182.13	1/4		1/4		1/4	
1/2	1,827.76	1/2	1,552.39	1/2	1,277.04	1/2	1,001.72	1/2	726.90	1/2	451.83	1/2	176.39	1/2		1/2		1/2	
3/4	1,822.02	3/4	1,546.66	3/4	1,271.30	3/4	995.98	3/4	721.19	3/4	446.09	3/4	170.65	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/10/2010 INT
CALCULATED: 11/18/2020 SW
NAME CHANGE: 11/18/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2020

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



BARGE "KIRBY 11336"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CGBM 109"

GAUGE HEIGHT 17'-07 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	3,615.68	0	3,368.83	0	3,121.79	0	2,874.76	0	2,627.72	0	2,380.68	0	2,133.56
1/4		1/4		1/4		1/4	3,610.60	1/4	3,363.69	1/4	3,116.65	1/4	2,869.61	1/4	2,622.58	1/4	2,375.54	1/4	2,128.41
1/2		1/2		1/2		1/2	3,605.51	1/2	3,358.54	1/2	3,111.50	1/2	2,864.47	1/2	2,617.43	1/2	2,370.39	1/2	2,123.27
3/4		3/4		3/4		3/4	3,600.43	3/4	3,353.39	3/4	3,106.35	3/4	2,859.32	3/4	2,612.28	3/4	2,365.24	3/4	2,118.12
1		1		1		1	3,595.28	1	3,348.24	1	3,101.21	1	2,854.17	1	2,607.14	1	2,360.09	1	2,112.97
1/4		1/4		1/4		1/4	3,590.14	1/4	3,343.10	1/4	3,096.06	1/4	2,849.03	1/4	2,601.99	1/4	2,354.95	1/4	2,107.82
1/2		1/2		1/2		1/2	3,584.99	1/2	3,337.95	1/2	3,090.92	1/2	2,843.88	1/2	2,596.85	1/2	2,349.80	1/2	2,102.67
3/4		3/4		3/4		3/4	3,579.84	3/4	3,332.80	3/4	3,085.77	3/4	2,838.73	3/4	2,591.70	3/4	2,344.65	3/4	2,097.52
2		2		2		2	3,574.69	2	3,327.66	2	3,080.62	2	2,833.58	2	2,586.55	2	2,339.50	2	2,092.37
1/4		1/4		1/4		1/4	3,569.55	1/4	3,322.51	1/4	3,075.48	1/4	2,828.44	1/4	2,581.41	1/4	2,334.35	1/4	2,087.22
1/2		1/2		1/2		1/2	3,564.40	1/2	3,317.37	1/2	3,070.33	1/2	2,823.29	1/2	2,576.26	1/2	2,329.20	1/2	2,082.08
3/4		3/4		3/4		3/4	3,559.25	3/4	3,312.22	3/4	3,065.18	3/4	2,818.14	3/4	2,571.11	3/4	2,324.05	3/4	2,076.93
3		3		3		3	3,554.11	3	3,307.07	3	3,060.03	3	2,813.00	3	2,565.97	3	2,318.90	3	2,071.78
1/4		1/4		1/4		1/4	3,548.96	1/4	3,301.93	1/4	3,054.89	1/4	2,807.85	1/4	2,560.82	1/4	2,313.76	1/4	2,066.63
1/2		1/2		1/2		1/2	3,543.82	1/2	3,296.78	1/2	3,049.74	1/2	2,802.71	1/2	2,555.68	1/2	2,308.61	1/2	2,061.49
3/4		3/4		3/4		3/4	3,538.67	3/4	3,291.63	3/4	3,044.59	3/4	2,797.56	3/4	2,550.53	3/4	2,303.46	3/4	2,056.34
4		4		4		4	3,533.52	4	3,286.48	4	3,039.45	4	2,792.41	4	2,545.38	4	2,298.31	4	2,051.19
1/4		1/4		1/4		1/4	3,528.38	1/4	3,281.34	1/4	3,034.30	1/4	2,787.27	1/4	2,540.24	1/4	2,293.16	1/4	2,046.04
1/2		1/2		1/2		1/2	3,523.23	1/2	3,276.19	1/2	3,029.16	1/2	2,782.12	1/2	2,535.09	1/2	2,288.01	1/2	2,040.89
3/4		3/4		3/4		3/4	3,518.08	3/4	3,271.04	3/4	3,024.01	3/4	2,776.97	3/4	2,529.94	3/4	2,282.86	3/4	2,035.74
5		5		5		5	3,512.93	5	3,265.90	5	3,018.86	5	2,771.82	5	2,524.80	5	2,277.71	5	2,030.59
1/4		1/4		1/4		1/4	3,507.79	1/4	3,260.75	1/4	3,013.72	1/4	2,766.68	1/4	2,519.65	1/4	2,272.57	1/4	2,025.44
1/2		1/2		1/2		1/2	3,502.64	1/2	3,255.61	1/2	3,008.57	1/2	2,761.53	1/2	2,514.51	1/2	2,267.42	1/2	2,020.30
3/4		3/4		3/4		3/4	3,497.49	3/4	3,250.46	3/4	3,003.42	3/4	2,756.38	3/4	2,509.36	3/4	2,262.27	3/4	2,015.15
6		6		6		6	3,492.35	6	3,245.31	6	2,998.27	6	2,751.24	6	2,504.21	6	2,257.12	6	2,010.00
1/4		1/4		1/4		1/4	3,487.20	1/4	3,240.17	1/4	2,993.13	1/4	2,746.09	1/4	2,499.07	1/4	2,251.97	1/4	2,004.85
1/2		1/2		1/2		1/2	3,482.06	1/2	3,235.02	1/2	2,987.98	1/2	2,740.95	1/2	2,493.92	1/2	2,246.83	1/2	1,999.70
3/4		3/4		3/4		3/4	3,666.51	3/4	3,476.91	3/4	3,229.87	3/4	2,982.83	3/4	2,735.80	3/4	2,488.77	3/4	2,241.68
7		7		7		7	3,665.99	7	3,471.76	7	3,224.72	7	2,977.69	7	2,730.65	7	2,483.63	7	2,236.53
1/4		1/4		1/4		1/4	3,665.47	1/4	3,466.62	1/4	3,219.58	1/4	2,972.54	1/4	2,725.51	1/4	2,478.48	1/4	2,231.38
1/2		1/2		1/2		1/2	3,664.95	1/2	3,461.47	1/2	3,214.43	1/2	2,967.40	1/2	2,720.36	1/2	2,473.34	1/2	2,226.23
3/4		3/4		3/4		3/4	3,664.43	3/4	3,456.32	3/4	3,209.28	3/4	2,962.25	3/4	2,715.21	3/4	2,468.19	3/4	2,221.08
8		8		8		8	3,663.47	8	3,451.17	8	3,204.14	8	2,957.10	8	2,710.06	8	2,463.04	8	2,215.93
1/4		1/4		1/4		1/4	3,662.51	1/4	3,446.03	1/4	3,198.99	1/4	2,951.96	1/4	2,704.92	1/4	2,457.90	1/4	2,210.78
1/2		1/2		1/2		1/2	3,661.54	1/2	3,440.88	1/2	3,193.85	1/2	2,946.81	1/2	2,699.77	1/2	2,452.75	1/2	2,205.64
3/4		3/4		3/4		3/4	3,660.58	3/4	3,435.73	3/4	3,188.70	3/4	2,941.66	3/4	2,694.62	3/4	2,447.60	3/4	2,200.49
9		9		9		9	3,658.44	9	3,430.59	9	3,183.55	9	2,936.51	9	2,689.48	9	2,442.46	9	2,195.34
1/4		1/4		1/4		1/4	3,658.30	1/4	3,425.44	1/4	3,178.41	1/4	2,931.37	1/4	2,684.33	1/4	2,437.31	1/4	2,190.19
1/2		1/2		1/2		1/2	3,654.16	1/2	3,420.30	1/2	3,173.26	1/2	2,926.22	1/2	2,679.19	1/2	2,432.17	1/2	2,185.05
3/4		3/4		3/4		3/4	3,652.02	3/4	3,415.15	3/4	3,168.11	3/4	2,921.07	3/4	2,674.04	3/4	2,427.02	3/4	2,179.90
10		10		10		10	3,648.70	10	3,410.00	10	3,162.96	10	2,915.93	10	2,668.89	10	2,421.87	10	2,174.75
1/4		1/4		1/4		1/4	3,645.39	1/4	3,404.86	1/4	3,157.82	1/4	2,910.78	1/4	2,663.75	1/4	2,416.73	1/4	2,169.60
1/2		1/2		1/2		1/2	3,642.07	1/2	3,399.71	1/2	3,152.67	1/2	2,905.64	1/2	2,658.60	1/2	2,411.58	1/2	2,164.45
3/4		3/4		3/4		3/4	3,638.75	3/4	3,394.56	3/4	3,147.52	3/4	2,900.49	3/4	2,653.45	3/4	2,406.43	3/4	2,159.30
11		11		11		11	3,634.25	11	3,389.42	11	3,142.38	11	2,895.34	11	2,648.31	11	2,401.28	11	2,154.15
1/4		1/4		1/4		1/4	3,629.76	1/4	3,384.27	1/4	3,137.23	1/4	2,890.20	1/4	2,643.16	1/4	2,396.13	1/4	2,149.00
1/2		1/2		1/2		1/2	3,625.26	1/2	3,379.13	1/2	3,132.09	1/2	2,885.05	1/2	2,638.02	1/2	2,390.98	1/2	2,143.86
3/4		3/4		3/4		3/4	3,620.76	3/4	3,373.98	3/4	3,126.94	3/4	2,879.90	3/4	2,632.87	3/4	2,385.83	3/4	2,138.71

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 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 11336"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "CGBM 109"

GAUGE HEIGHT 17'-07 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	1,886.44	0	1,639.43	0	1,392.45	0	1,145.47	0	898.54	0	652.05	0	405.32	0	158.27	0		0	
1/4	1,881.29	1/4	1,634.29	1/4	1,387.31	1/4	1,140.33	1/4	893.39	1/4	646.93	1/4	400.17	1/4	153.12	1/4		1/4	
1/2	1,876.14	1/2	1,629.14	1/2	1,382.16	1/2	1,135.18	1/2	888.25	1/2	641.80	1/2	395.03	1/2	147.98	1/2		1/2	
3/4	1,870.99	3/4	1,624.00	3/4	1,377.02	3/4	1,130.04	3/4	883.11	3/4	636.68	3/4	389.88	3/4	142.83	3/4		3/4	
1	1,865.84	1	1,618.85	1	1,371.87	1	1,124.89	1	877.96	1	631.55	1	384.73	1	137.68	1		1	
1/4	1,860.69	1/4	1,613.71	1/4	1,366.73	1/4	1,119.75	1/4	872.82	1/4	626.42	1/4	379.58	1/4	132.53	1/4		1/4	
1/2	1,855.55	1/2	1,608.56	1/2	1,361.58	1/2	1,114.60	1/2	867.67	1/2	621.30	1/2	374.44	1/2	127.39	1/2		1/2	
3/4	1,850.40	3/4	1,603.42	3/4	1,356.44	3/4	1,109.46	3/4	862.53	3/4	616.17	3/4	369.29	3/4	122.24	3/4		3/4	
2	1,845.25	2	1,598.27	2	1,351.29	2	1,104.31	2	857.38	2	611.04	2	364.14	2	117.09	2		2	
1/4	1,840.11	1/4	1,593.13	1/4	1,346.15	1/4	1,099.17	1/4	852.24	1/4	605.91	1/4	358.99	1/4	111.94	1/4		1/4	
1/2	1,834.96	1/2	1,587.98	1/2	1,341.00	1/2	1,094.02	1/2	847.09	1/2	600.79	1/2	353.85	1/2	106.80	1/2		1/2	
3/4	1,829.82	3/4	1,582.84	3/4	1,335.86	3/4	1,088.88	3/4	841.95	3/4	595.66	3/4	348.70	3/4	101.65	3/4		3/4	
3	1,824.67	3	1,577.69	3	1,330.71	3	1,083.73	3	836.80	3	590.53	3	343.55	3	96.52	3		3	
1/4	1,819.53	1/4	1,572.55	1/4	1,325.57	1/4	1,078.59	1/4	831.66	1/4	585.41	1/4	338.40	1/4	91.39	1/4		1/4	
1/2	1,814.38	1/2	1,567.40	1/2	1,320.42	1/2	1,073.44	1/2	826.51	1/2	580.28	1/2	333.26	1/2	86.26	1/2		1/2	
3/4	1,809.24	3/4	1,562.26	3/4	1,315.28	3/4	1,068.30	3/4	821.37	3/4	575.16	3/4	328.11	3/4	81.13	3/4		3/4	
4	1,804.09	4	1,557.11	4	1,310.13	4	1,063.15	4	816.23	4	570.01	4	322.96	4	76.03	4		4	
1/4	1,798.94	1/4	1,551.97	1/4	1,304.99	1/4	1,058.01	1/4	811.08	1/4	564.87	1/4	317.82	1/4	70.93	1/4		1/4	
1/2	1,793.80	1/2	1,546.82	1/2	1,299.84	1/2	1,052.86	1/2	805.94	1/2	559.72	1/2	312.67	1/2	65.84	1/2		1/2	
3/4	1,788.65	3/4	1,541.68	3/4	1,294.70	3/4	1,047.72	3/4	800.80	3/4	554.58	3/4	307.53	3/4	60.74	3/4		3/4	
5	1,783.50	5	1,536.53	5	1,289.55	5	1,042.57	5	795.65	5	549.44	5	302.38	5	55.67	5		5	
1/4	1,778.36	1/4	1,531.38	1/4	1,284.40	1/4	1,037.43	1/4	790.51	1/4	544.29	1/4	297.23	1/4	50.61	1/4		1/4	
1/2	1,773.21	1/2	1,526.24	1/2	1,279.26	1/2	1,032.28	1/2	785.36	1/2	539.15	1/2	292.09	1/2	45.54	1/2		1/2	
3/4	1,768.07	3/4	1,521.09	3/4	1,274.11	3/4	1,027.14	3/4	780.22	3/4	534.01	3/4	286.94	3/4	40.48	3/4		3/4	
6	1,762.92	6	1,515.94	6	1,268.96	6	1,021.99	6	775.09	6	528.86	6	281.79	6	35.46	6		6	
1/4	1,757.78	1/4	1,510.80	1/4	1,263.82	1/4	1,016.85	1/4	769.96	1/4	523.71	1/4	276.64	1/4	30.45	1/4		1/4	
1/2	1,752.63	1/2	1,505.65	1/2	1,258.67	1/2	1,011.70	1/2	764.84	1/2	518.57	1/2	271.50	1/2	25.43	1/2		1/2	
3/4	1,747.49	3/4	1,500.51	3/4	1,253.53	3/4	1,006.56	3/4	759.71	3/4	513.42	3/4	266.35	3/4	20.42	3/4		3/4	
7	1,742.34	7	1,495.36	7	1,248.38	7	1,001.42	7	754.58	7	508.27	7	261.20	7	15.45	7		7	
1/4	1,737.20	1/4	1,490.22	1/4	1,243.24	1/4	996.27	1/4	749.46	1/4	503.12	1/4	256.06	1/4	10.49	1/4		1/4	
1/2	1,732.05	1/2	1,485.07	1/2	1,238.09	1/2	991.13	1/2	744.33	1/2	497.98	1/2	250.91	1/2	5.52	1/2		1/2	
3/4	1,726.91	3/4	1,479.93	3/4	1,232.95	3/4	985.99	3/4	739.21	3/4	492.83	3/4	245.77	3/4	0.56	3/4		3/4	
8	1,721.76	8	1,474.78	8	1,227.80	8	980.84	8	734.08	8	487.68	8	240.62	8		8		8	
1/4	1,716.62	1/4	1,469.64	1/4	1,222.66	1/4	975.70	1/4	728.95	1/4	482.54	1/4	235.47	1/4		1/4		1/4	
1/2	1,711.47	1/2	1,464.49	1/2	1,217.51	1/2	970.55	1/2	723.83	1/2	477.39	1/2	230.33	1/2		1/2		1/2	
3/4	1,706.33	3/4	1,459.35	3/4	1,212.37	3/4	965.41	3/4	718.70	3/4	472.25	3/4	225.18	3/4		3/4		3/4	
9	1,701.18	9	1,454.20	9	1,207.22	9	960.27	9	713.57	9	467.10	9	220.03	9		9		9	
1/4	1,696.04	1/4	1,449.06	1/4	1,202.08	1/4	955.12	1/4	708.44	1/4	461.95	1/4	214.88	1/4		1/4		1/4	
1/2	1,690.89	1/2	1,443.91	1/2	1,196.93	1/2	949.98	1/2	703.32	1/2	456.81	1/2	209.74	1/2		1/2		1/2	
3/4	1,685.75	3/4	1,438.77	3/4	1,191.79	3/4	944.84	3/4	698.19	3/4	451.66	3/4	204.59	3/4		3/4		3/4	
10	1,680.60	10	1,433.62	10	1,186.64	10	939.69	10	693.06	10	446.51	10	199.44	10		10		10	
1/4	1,675.45	1/4	1,428.48	1/4	1,181.50	1/4	934.55	1/4	687.94	1/4	441.36	1/4	194.30	1/4		1/4		1/4	
1/2	1,670.31	1/2	1,423.33	1/2	1,176.35	1/2	929.40	1/2	682.81	1/2	436.22	1/2	189.15	1/2		1/2		1/2	
3/4	1,665.16	3/4	1,418.19	3/4	1,171.21	3/4	924.26	3/4	677.69	3/4	431.07	3/4	184.01	3/4		3/4		3/4	
11	1,660.01	11	1,413.04	11	1,166.06	11	919.11	11	672.56	11	425.92	11	178.86	11		11		11	
1/4	1,654.87	1/4	1,407.89	1/4	1,160.91	1/4	913.97	1/4	667.43	1/4	420.77	1/4	173.71	1/4		1/4		1/4	
1/2	1,649.72	1/2	1,402.75	1/2	1,155.77	1/2	908.82	1/2	662.31	1/2	415.62	1/2	168.57	1/2		1/2		1/2	
3/4	1,644.58	3/4	1,397.60	3/4	1,150.62	3/4	903.68	3/4	657.18	3/4	410.47	3/4	163.42	3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/10/2010 INT
CALCULATED: 11/18/2020 SW
NAME CHANGE: 11/18/2020 SW

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2020

PRECISION MEASUREMENT
& ANALYSIS, INC.
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