



BARGE "CBC 28"

ULLAGE TRIM TABLE

FORMERLY "KIRBY 10309"

	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	00-0/0	00-0/0	- 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 CENTER	00-3/8	- 00-3/8	00-7/8	- 00-7/8	01-1/4	- 01-1/4	01-3/4	- 01-3/4	02-1/8	- 02-1/8	02-5/8	- 02-5/8
3 CENTER	- 00-3/8	00-3/8	- 00-7/8	00-7/8	- 01-1/4	01-1/4	- 01-5/8	01-5/8	- 02-0/0	02-0/0	- 02-1/2	02-1/2

(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 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 04'-00 1/8"

May 26, 2015

**PRECISION MEASUREMENT
 & ANALYSIS, INC.**
 P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 28"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 10309"

GAUGE HEIGHT 17'-02 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0		0		0	3,936.90	0	3,674.35	0	3,393.52	0	3,112.68	0	2,831.85	0	2,551.02	0	2,270.21
1/4		1/4		1/4		1/4	3,934.21	1/4	3,668.50	1/4	3,387.67	1/4	3,106.83	1/4	2,826.00	1/4	2,545.17	1/4	2,264.36
1/2		1/2		1/2		1/2	3,930.55	1/2	3,662.65	1/2	3,381.82	1/2	3,100.98	1/2	2,820.15	1/2	2,539.32	1/2	2,258.51
3/4		3/4		3/4		3/4	3,926.89	3/4	3,656.80	3/4	3,375.96	3/4	3,095.13	3/4	2,814.30	3/4	2,533.48	3/4	2,252.65
1		1		1		1	3,923.23	1	3,650.95	1	3,370.11	1	3,089.28	1	2,808.45	1	2,527.63	1	2,246.80
1/4		1/4		1/4		1/4	3,919.57	1/4	3,645.10	1/4	3,364.26	1/4	3,083.43	1/4	2,802.59	1/4	2,521.79	1/4	2,240.95
1/2		1/2		1/2		1/2	3,914.94	1/2	3,639.24	1/2	3,358.41	1/2	3,077.58	1/2	2,796.74	1/2	2,515.93	1/2	2,235.10
3/4		3/4		3/4		3/4	3,910.31	3/4	3,633.39	3/4	3,352.56	3/4	3,071.73	3/4	2,790.89	3/4	2,510.08	3/4	2,229.25
2		2		2		2	3,905.68	2	3,627.54	2	3,346.71	2	3,065.87	2	2,785.04	2	2,504.23	2	2,223.40
1/4		1/4		1/4		1/4	3,901.05	1/4	3,621.69	1/4	3,340.86	1/4	3,060.02	1/4	2,779.19	1/4	2,498.38	1/4	2,217.55
1/2		1/2		1/2		1/2	3,895.57	1/2	3,615.84	1/2	3,335.01	1/2	3,054.17	1/2	2,773.34	1/2	2,492.53	1/2	2,211.70
3/4		3/4		3/4		3/4	3,890.08	3/4	3,609.99	3/4	3,329.15	3/4	3,048.32	3/4	2,767.50	3/4	2,486.68	3/4	2,205.84
3		3		3		3	3,884.60	3	3,604.14	3	3,323.30	3	3,042.47	3	2,761.65	3	2,480.83	3	2,199.99
1/4		1/4		1/4		1/4	3,879.12	1/4	3,598.29	1/4	3,317.45	1/4	3,036.62	1/4	2,755.81	1/4	2,474.98	1/4	2,194.14
1/2		1/2		1/2		1/2	3,873.27	1/2	3,592.43	1/2	3,311.60	1/2	3,030.77	1/2	2,749.96	1/2	2,469.12	1/2	2,188.29
3/4		3/4		3/4		3/4	3,867.42	3/4	3,586.58	3/4	3,305.75	3/4	3,024.92	3/4	2,744.11	3/4	2,463.27	3/4	2,182.44
4		4		4		4	3,861.57	4	3,580.73	4	3,299.90	4	3,019.06	4	2,738.26	4	2,457.42	4	2,176.59
1/4		1/4		1/4		1/4	3,855.71	1/4	3,574.88	1/4	3,294.05	1/4	3,013.21	1/4	2,732.40	1/4	2,451.57	1/4	2,170.74
1/2		1/2		1/2		1/2	3,849.86	1/2	3,569.03	1/2	3,288.20	1/2	3,007.37	1/2	2,726.55	1/2	2,445.72	1/2	2,164.89
3/4		3/4		3/4		3/4	3,844.01	3/4	3,563.18	3/4	3,282.34	3/4	3,001.52	3/4	2,720.70	3/4	2,439.87	3/4	2,159.04
5		5		5		5	3,838.16	5	3,557.33	5	3,276.49	5	2,995.68	5	2,714.85	5	2,434.02	5	2,153.18
1/4		1/4		1/4		1/4	3,832.31	1/4	3,551.48	1/4	3,270.64	1/4	2,989.83	1/4	2,709.00	1/4	2,428.17	1/4	2,147.33
1/2		1/2		1/2		1/2	3,826.46	1/2	3,545.62	1/2	3,264.79	1/2	2,983.98	1/2	2,703.15	1/2	2,422.31	1/2	2,141.48
3/4		3/4		3/4		3/4	3,820.61	3/4	3,539.77	3/4	3,258.94	3/4	2,978.13	3/4	2,697.30	3/4	2,416.46	3/4	2,135.63
6		6		6		6	3,814.76	6	3,533.92	6	3,253.09	6	2,972.28	6	2,691.45	6	2,410.61	6	2,129.78
1/4		1/4		1/4		1/4	3,808.90	1/4	3,528.07	1/4	3,247.24	1/4	2,966.43	1/4	2,685.59	1/4	2,404.76	1/4	2,123.93
1/2		1/2		1/2		1/2	3,803.05	1/2	3,522.22	1/2	3,241.39	1/2	2,960.58	1/2	2,679.74	1/2	2,398.91	1/2	2,118.08
3/4		3/4		3/4		3/4	3,797.20	3/4	3,516.37	3/4	3,235.55	3/4	2,954.73	3/4	2,673.89	3/4	2,393.06	3/4	2,112.23
7		7		7		7	3,791.35	7	3,510.52	7	3,229.70	7	2,948.87	7	2,668.04	7	2,387.21	7	2,106.37
1/4		1/4		1/4		1/4	3,785.50	1/4	3,504.67	1/4	3,223.86	1/4	2,943.02	1/4	2,662.19	1/4	2,381.36	1/4	2,100.52
1/2		1/2		1/2		1/2	3,779.65	1/2	3,498.82	1/2	3,218.01	1/2	2,937.17	1/2	2,656.34	1/2	2,375.51	1/2	2,094.67
3/4		3/4		3/4		3/4	3,773.80	3/4	3,492.98	3/4	3,212.15	3/4	2,931.32	3/4	2,650.49	3/4	2,369.65	3/4	2,088.82
8		8		8		8	3,767.95	8	3,487.13	8	3,206.30	8	2,925.47	8	2,644.64	8	2,363.80	8	2,082.97
1/4		1/4		1/4		1/4	3,762.10	1/4	3,481.29	1/4	3,200.45	1/4	2,919.62	1/4	2,638.79	1/4	2,357.95	1/4	2,077.12
1/2		1/2		1/2		1/2	3,756.24	1/2	3,475.43	1/2	3,194.60	1/2	2,913.77	1/2	2,632.93	1/2	2,352.10	1/2	2,071.27
3/4		3/4		3/4		3/4	3,750.39	3/4	3,469.58	3/4	3,188.75	3/4	2,907.92	3/4	2,627.08	3/4	2,346.25	3/4	2,065.43
9		9		9	3,955.19	9	3,744.54	9	3,463.73	9	3,182.90	9	2,902.06	9	2,621.23	9	2,340.40	9	2,059.58
1/4		1/4		1/4	3,954.69	1/4	3,738.69	1/4	3,457.88	1/4	3,177.05	1/4	2,896.21	1/4	2,615.38	1/4	2,334.55	1/4	2,053.74
1/2		1/2		1/2	3,953.96	1/2	3,732.85	1/2	3,452.03	1/2	3,171.20	1/2	2,890.36	1/2	2,609.53	1/2	2,328.70	1/2	2,047.89
3/4		3/4		3/4	3,953.23	3/4	3,727.00	3/4	3,446.18	3/4	3,165.34	3/4	2,884.51	3/4	2,603.68	3/4	2,322.84	3/4	2,042.04
10		10		10	3,952.49	10	3,721.15	10	3,440.33	10	3,159.49	10	2,878.66	10	2,597.83	10	2,316.99	10	2,036.18
1/4		1/4		1/4	3,951.76	1/4	3,715.31	1/4	3,434.48	1/4	3,153.64	1/4	2,872.81	1/4	2,591.98	1/4	2,311.14	1/4	2,030.33
1/2		1/2		1/2	3,950.06	1/2	3,709.46	1/2	3,428.63	1/2	3,147.79	1/2	2,866.96	1/2	2,586.12	1/2	2,305.30	1/2	2,024.48
3/4		3/4		3/4	3,948.36	3/4	3,703.61	3/4	3,422.77	3/4	3,141.94	3/4	2,861.11	3/4	2,580.27	3/4	2,299.45	3/4	2,018.63
11		11		11	3,946.65	11	3,697.76	11	3,416.92	11	3,136.09	11	2,855.26	11	2,574.42	11	2,293.61	11	2,012.78
1/4		1/4		1/4	3,944.95	1/4	3,691.90	1/4	3,411.07	1/4	3,130.24	1/4	2,849.40	1/4	2,568.57	1/4	2,287.76	1/4	2,006.93
1/2		1/2		1/2	3,942.27	1/2	3,686.05	1/2	3,405.22	1/2	3,124.39	1/2	2,843.55	1/2	2,562.72	1/2	2,281.91	1/2	2,001.08
3/4		3/4		3/4	3,939.58	3/4	3,680.20	3/4	3,399.37	3/4	3,118.54	3/4	2,837.70	3/4	2,556.87	3/4	2,276.06	3/4	1,995.23

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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 35'-02" FORWARD OF AFT BULKHEAD

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



BARGE "CBC 28"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 10309"

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	1,989.37	0	1,708.54	0	1,427.71	0	1,146.87	0	866.07	0	585.23	0	304.40	0	25.79	0			0
1/4	1,983.52	1/4	1,702.69	1/4	1,421.86	1/4	1,141.02	1/4	860.21	1/4	579.38	1/4	298.55	1/4	20.67	1/4			1/4
1/2	1,977.67	1/2	1,696.84	1/2	1,416.01	1/2	1,135.18	1/2	854.36	1/2	573.53	1/2	292.70	1/2	17.26	1/2			1/2
3/4	1,971.82	3/4	1,690.99	3/4	1,410.15	3/4	1,129.33	3/4	848.51	3/4	567.68	3/4	286.84	3/4	13.84	3/4			3/4
1	1,965.97	1	1,685.14	1	1,404.30	1	1,123.49	1	842.66	1	561.83	1	280.99	1	10.43	1			1
1/4	1,960.12	1/4	1,679.29	1/4	1,398.45	1/4	1,117.64	1/4	836.81	1/4	555.98	1/4	275.14	1/4	7.02	1/4			1/4
1/2	1,954.27	1/2	1,673.43	1/2	1,392.60	1/2	1,111.79	1/2	830.96	1/2	550.12	1/2	269.30	1/2	5.56	1/2			1/2
3/4	1,948.42	3/4	1,667.58	3/4	1,386.75	3/4	1,105.94	3/4	825.11	3/4	544.27	3/4	263.45	3/4	4.09	3/4			3/4
2	1,942.56	2	1,661.73	2	1,380.90	2	1,100.09	2	819.26	2	538.42	2	257.61	2	2.63	2			2
1/4	1,936.71	1/4	1,655.88	1/4	1,375.05	1/4	1,094.24	1/4	813.40	1/4	532.57	1/4	251.76	1/4	1.17	1/4			1/4
1/2	1,930.86	1/2	1,650.03	1/2	1,369.20	1/2	1,088.39	1/2	807.55	1/2	526.72	1/2	245.91	1/2		1/2			1/2
3/4	1,925.01	3/4	1,644.18	3/4	1,363.36	3/4	1,082.54	3/4	801.70	3/4	520.87	3/4	240.06	3/4		3/4			3/4
3	1,919.16	3	1,638.33	3	1,357.51	3	1,076.68	3	795.85	3	515.02	3	234.21	3		3			3
1/4	1,913.31	1/4	1,632.48	1/4	1,351.67	1/4	1,070.83	1/4	790.00	1/4	509.17	1/4	228.36	1/4		1/4			1/4
1/2	1,907.46	1/2	1,626.62	1/2	1,345.82	1/2	1,064.98	1/2	784.15	1/2	503.31	1/2	222.51	1/2		1/2			1/2
3/4	1,901.61	3/4	1,620.77	3/4	1,339.96	3/4	1,059.13	3/4	778.30	3/4	497.46	3/4	216.65	3/4		3/4			3/4
4	1,895.76	4	1,614.92	4	1,334.11	4	1,053.28	4	772.45	4	491.61	4	210.80	4		4			4
1/4	1,889.90	1/4	1,609.07	1/4	1,328.26	1/4	1,047.43	1/4	766.59	1/4	485.76	1/4	204.95	1/4		1/4			1/4
1/2	1,884.05	1/2	1,603.23	1/2	1,322.41	1/2	1,041.58	1/2	760.74	1/2	479.91	1/2	199.10	1/2		1/2			1/2
3/4	1,878.20	3/4	1,597.38	3/4	1,316.56	3/4	1,035.73	3/4	754.89	3/4	474.06	3/4	193.25	3/4		3/4			3/4
5	1,872.35	5	1,591.54	5	1,310.71	5	1,029.87	5	749.04	5	468.21	5	187.40	5		5			5
1/4	1,866.50	1/4	1,585.69	1/4	1,304.86	1/4	1,024.02	1/4	743.19	1/4	462.36	1/4	181.55	1/4		1/4			1/4
1/2	1,860.65	1/2	1,579.84	1/2	1,299.01	1/2	1,018.17	1/2	737.34	1/2	456.51	1/2	175.70	1/2		1/2			1/2
3/4	1,854.80	3/4	1,573.99	3/4	1,293.15	3/4	1,012.32	3/4	731.49	3/4	450.67	3/4	169.84	3/4		3/4			3/4
6	1,848.95	6	1,568.14	6	1,287.30	6	1,006.47	6	725.64	6	444.82	6	163.99	6		6			6
1/4	1,843.09	1/4	1,562.29	1/4	1,281.45	1/4	1,000.62	1/4	719.79	1/4	438.98	1/4	158.14	1/4		1/4			1/4
1/2	1,837.25	1/2	1,556.43	1/2	1,275.60	1/2	994.77	1/2	713.93	1/2	433.12	1/2	152.29	1/2		1/2			1/2
3/4	1,831.40	3/4	1,550.58	3/4	1,269.75	3/4	988.92	3/4	708.08	3/4	427.27	3/4	146.44	3/4		3/4			3/4
7	1,825.56	7	1,544.73	7	1,263.90	7	983.06	7	702.23	7	421.42	7	140.59	7		7			7
1/4	1,819.71	1/4	1,538.88	1/4	1,258.05	1/4	977.21	1/4	696.38	1/4	415.57	1/4	134.74	1/4		1/4			1/4
1/2	1,813.86	1/2	1,533.03	1/2	1,252.20	1/2	971.36	1/2	690.53	1/2	409.72	1/2	128.89	1/2		1/2			1/2
3/4	1,808.01	3/4	1,527.18	3/4	1,246.34	3/4	965.51	3/4	684.68	3/4	403.87	3/4	123.04	3/4		3/4			3/4
8	1,802.16	8	1,521.33	8	1,240.49	8	959.66	8	678.83	8	398.02	8	117.18	8		8			8
1/4	1,796.31	1/4	1,515.48	1/4	1,234.64	1/4	953.81	1/4	672.98	1/4	392.17	1/4	111.33	1/4		1/4			1/4
1/2	1,790.46	1/2	1,509.62	1/2	1,228.79	1/2	947.96	1/2	667.13	1/2	386.31	1/2	105.49	1/2		1/2			1/2
3/4	1,784.61	3/4	1,503.77	3/4	1,222.94	3/4	942.11	3/4	661.29	3/4	380.46	3/4	99.64	3/4		3/4			3/4
9	1,778.76	9	1,497.92	9	1,217.09	9	936.26	9	655.44	9	374.61	9	93.80	9		9			9
1/4	1,772.90	1/4	1,492.07	1/4	1,211.24	1/4	930.40	1/4	649.59	1/4	368.76	1/4	87.95	1/4		1/4			1/4
1/2	1,767.05	1/2	1,486.22	1/2	1,205.39	1/2	924.55	1/2	643.74	1/2	362.91	1/2	82.10	1/2		1/2			1/2
3/4	1,761.20	3/4	1,480.37	3/4	1,199.54	3/4	918.70	3/4	637.89	3/4	357.06	3/4	76.25	3/4		3/4			3/4
10	1,755.35	10	1,474.52	10	1,193.68	10	912.85	10	632.04	10	351.21	10	70.40	10		10			10
1/4	1,749.50	1/4	1,468.67	1/4	1,187.83	1/4	907.00	1/4	626.19	1/4	345.36	1/4	64.55	1/4		1/4			1/4
1/2	1,743.65	1/2	1,462.81	1/2	1,181.98	1/2	901.15	1/2	620.34	1/2	339.51	1/2	58.70	1/2		1/2			1/2
3/4	1,737.80	3/4	1,456.96	3/4	1,176.13	3/4	895.31	3/4	614.49	3/4	333.65	3/4	52.84	3/4		3/4			3/4
11	1,731.95	11	1,451.11	11	1,170.28	11	889.46	11	608.64	11	327.80	11	46.99	11		11			11
1/4	1,726.09	1/4	1,445.26	1/4	1,164.43	1/4	883.62	1/4	602.79	1/4	321.95	1/4	41.14	1/4		1/4			1/4
1/2	1,720.24	1/2	1,439.41	1/2	1,158.58	1/2	877.77	1/2	596.93	1/2	316.10	1/2	36.02	1/2		1/2			1/2
3/4	1,714.39	3/4	1,433.56	3/4	1,152.73	3/4	871.92	3/4	591.08	3/4	310.25	3/4	30.90	3/4		3/4			3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/21/1995 CTC
DECK MEASUREMENTS: 11/20/2008 SW
REPRINTED: 05/26/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2015

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CBC 28"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 10309"

GAUGE HEIGHT 17'-02 5/8"

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	0	0	0	3,594.43	0	3,357.38	0	3,101.33	0	2,845.29	0	2,589.24	0	2,333.19	0	2,077.13
1/4		1/4		1/4		1/4	3,591.99	1/4	3,352.05	1/4	3,096.00	1/4	2,839.95	1/4	2,583.91	1/4	2,327.86	1/4	2,071.79
1/2		1/2		1/2		1/2	3,589.32	1/2	3,346.71	1/2	3,090.67	1/2	2,834.62	1/2	2,578.57	1/2	2,322.52	1/2	2,066.45
3/4		3/4		3/4		3/4	3,586.19	3/4	3,341.38	3/4	3,085.33	3/4	2,829.29	3/4	2,573.24	3/4	2,317.19	3/4	2,061.12
1	1	1	1	1	1	1	3,582.82	1	3,336.05	1	3,080.00	1	2,823.95	1	2,567.91	1	2,311.85	1	2,055.79
1/4		1/4		1/4		1/4	3,579.46	1/4	3,330.71	1/4	3,074.67	1/4	2,818.62	1/4	2,562.57	1/4	2,306.51	1/4	2,050.45
1/2		1/2		1/2		1/2	3,575.87	1/2	3,325.38	1/2	3,069.33	1/2	2,813.29	1/2	2,557.24	1/2	2,301.17	1/2	2,045.12
3/4		3/4		3/4		3/4	3,571.81	3/4	3,320.05	3/4	3,064.00	3/4	2,807.95	3/4	2,551.90	3/4	2,295.83	3/4	2,039.79
2	2	2	2	2	2	2	3,567.52	2	3,314.71	2	3,058.67	2	2,802.62	2	2,546.56	2	2,290.50	2	2,034.45
1/4		1/4		1/4		1/4	3,563.24	1/4	3,309.38	1/4	3,053.33	1/4	2,797.29	1/4	2,541.22	1/4	2,285.17	1/4	2,029.12
1/2		1/2		1/2		1/2	3,558.76	1/2	3,304.05	1/2	3,048.00	1/2	2,791.95	1/2	2,535.88	1/2	2,279.83	1/2	2,023.79
3/4		3/4		3/4		3/4	3,553.91	3/4	3,298.72	3/4	3,042.67	3/4	2,786.61	3/4	2,530.55	3/4	2,274.50	3/4	2,018.45
3	3	3	3	3	3	3	3,548.86	3	3,293.38	3	3,037.33	3	2,781.27	3	2,525.21	3	2,269.17	3	2,013.12
1/4		1/4		1/4		1/4	3,543.81	1/4	3,288.05	1/4	3,032.00	1/4	2,775.94	1/4	2,519.88	1/4	2,263.83	1/4	2,007.79
1/2		1/2		1/2		1/2	3,538.69	1/2	3,282.72	1/2	3,026.67	1/2	2,770.60	1/2	2,514.55	1/2	2,258.50	1/2	2,002.45
3/4		3/4		3/4		3/4	3,533.43	3/4	3,277.38	3/4	3,021.33	3/4	2,765.26	3/4	2,509.21	3/4	2,253.17	3/4	1,997.12
4	4	4	4	4	4	4	3,528.10	4	3,272.05	4	3,015.99	4	2,759.93	4	2,503.88	4	2,247.83	4	1,991.79
1/4		1/4		1/4		1/4	3,522.76	1/4	3,266.72	1/4	3,010.65	1/4	2,754.60	1/4	2,498.55	1/4	2,242.50	1/4	1,986.45
1/2		1/2		1/2		1/2	3,517.43	1/2	3,261.38	1/2	3,005.31	1/2	2,749.26	1/2	2,493.21	1/2	2,237.17	1/2	1,981.12
3/4		3/4		3/4		3/4	3,512.09	3/4	3,256.04	3/4	2,999.98	3/4	2,743.93	3/4	2,487.88	3/4	2,231.83	3/4	1,975.79
5	5	5	5	5	5	5	3,506.75	5	3,250.70	5	2,994.64	5	2,738.60	5	2,482.55	5	2,226.50	5	1,970.45
1/4		1/4		1/4		1/4	3,501.41	1/4	3,245.36	1/4	2,989.31	1/4	2,733.26	1/4	2,477.21	1/4	2,221.17	1/4	1,965.12
1/2		1/2		1/2		1/2	3,496.07	1/2	3,240.03	1/2	2,983.98	1/2	2,727.93	1/2	2,471.88	1/2	2,215.83	1/2	1,959.79
3/4		3/4		3/4		3/4	3,490.74	3/4	3,234.69	3/4	2,978.64	3/4	2,722.60	3/4	2,466.55	3/4	2,210.50	3/4	1,954.45
6	6	6	6	6	6	6	3,485.41	6	3,229.36	6	2,973.31	6	2,717.26	6	2,461.22	6	2,205.17	6	1,949.11
1/4		1/4		1/4		1/4	3,480.07	1/4	3,224.02	1/4	2,967.98	1/4	2,711.93	1/4	2,455.88	1/4	2,199.83	1/4	1,943.77
1/2		1/2		1/2		1/2	3,474.74	1/2	3,218.69	1/2	2,962.64	1/2	2,706.60	1/2	2,450.55	1/2	2,194.50	1/2	1,938.43
3/4		3/4		3/4		3/4	3,469.41	3/4	3,213.36	3/4	2,957.31	3/4	2,701.26	3/4	2,445.22	3/4	2,189.16	3/4	1,933.10
7	7	7	7	7	7	7	3,464.07	7	3,208.02	7	2,951.98	7	2,695.93	7	2,439.88	7	2,183.82	7	1,927.76
1/4		1/4		1/4		1/4	3,458.74	1/4	3,202.69	1/4	2,946.64	1/4	2,690.60	1/4	2,434.55	1/4	2,178.48	1/4	1,922.43
1/2		1/2		1/2		1/2	3,453.41	1/2	3,197.36	1/2	2,941.31	1/2	2,685.26	1/2	2,429.21	1/2	2,173.15	1/2	1,917.10
3/4		3/4		3/4		3/4	3,448.07	3/4	3,192.02	3/4	2,935.98	3/4	2,679.92	3/4	2,423.88	3/4	2,167.81	3/4	1,911.76
8	8	8	8	8	8	8	3,442.74	8	3,186.69	8	2,930.64	8	2,674.58	8	2,418.54	8	2,162.48	8	1,906.43
1/4		1/4		1/4		1/4	3,437.41	1/4	3,181.36	1/4	2,925.31	1/4	2,669.25	1/4	2,413.20	1/4	2,157.14	1/4	1,901.10
1/2		1/2		1/2		1/2	3,432.07	1/2	3,176.02	1/2	2,919.98	1/2	2,663.91	1/2	2,407.86	1/2	2,151.81	1/2	1,895.76
3/4		3/4		3/4		3/4	3,426.74	3/4	3,170.69	3/4	2,914.64	3/4	2,658.57	3/4	2,402.52	3/4	2,146.48	3/4	1,890.43
9	9	9	9	9	9	9	3,421.41	9	3,165.36	9	2,909.30	9	2,653.24	9	2,397.19	9	2,141.14	9	1,885.10
1/4		1/4		3/8	3,608.12	1/4	3,416.07	1/4	3,160.02	1/4	2,903.96	1/4	2,647.91	1/4	2,391.86	1/4	2,135.81	1/4	1,879.76
1/2		1/2		1/2	3,607.95	1/2	3,410.74	1/2	3,154.69	1/2	2,898.62	1/2	2,642.57	1/2	2,386.52	1/2	2,130.48	1/2	1,874.43
3/4		3/4		3/4	3,607.50	3/4	3,405.41	3/4	3,149.35	3/4	2,893.29	3/4	2,637.24	3/4	2,381.19	3/4	2,125.14	3/4	1,869.10
10	10	10	10	10	3,606.84	10	3,400.07	10	3,144.01	10	2,887.95	10	2,631.91	10	2,375.86	10	2,119.81	10	1,863.76
1/4		1/4		1/4	3,606.09	1/4	3,394.74	1/4	3,138.67	1/4	2,882.62	1/4	2,626.57	1/4	2,370.52	1/4	2,114.48	1/4	1,858.43
1/2		1/2		1/2	3,605.15	1/2	3,389.40	1/2	3,133.34	1/2	2,877.29	1/2	2,621.24	1/2	2,365.19	1/2	2,109.14	1/2	1,853.09
3/4		3/4		3/4	3,603.83	3/4	3,384.07	3/4	3,128.00	3/4	2,871.95	3/4	2,615.91	3/4	2,359.86	3/4	2,103.81	3/4	1,847.76
11	11	11	11	11	3,602.32	11	3,378.73	11	3,122.67	11	2,866.62	11	2,610.57	11	2,354.52	11	2,098.48	11	1,842.42
1/4		1/4		1/4	3,600.82	1/4	3,373.39	1/4	3,117.33	1/4	2,861.29	1/4	2,605.24	1/4	2,349.19	1/4	2,093.14	1/4	1,837.08
1/2		1/2		1/2	3,599.08	1/2	3,368.05	1/2	3,112.00	1/2	2,855.95	1/2	2,599.91	1/2	2,343.86	1/2	2,087.81	1/2	1,831.74
3/4		3/4		3/4	3,596.87	3/4	3,362.71	3/4	3,106.67	3/4	2,850.62	3/4	2,594.57	3/4	2,338.52	3/4	2,082.47	3/4	1,826.41

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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'-05" FORWARD OF AFT BULKHEAD

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



BARGE "CBC 28"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 10309"

GAUGE HEIGHT 17'-02 5/8"

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	IN	0
1/4	1,815.74	1/4	1,559.69	1/4	1,303.64	1/4	1,047.60	1/4	791.55	1/4	535.60	1/4	280.24	1/4	25.87	1/4		1/4			
1/2	1,810.41	1/2	1,554.36	1/2	1,298.31	1/2	1,042.26	1/2	786.22	1/2	530.29	1/2	274.91	1/2	21.46	1/2		1/2			
3/4	1,805.07	3/4	1,549.02	3/4	1,292.98	3/4	1,036.93	3/4	780.88	3/4	524.97	3/4	269.57	3/4	17.76	3/4		3/4			
1	1,799.74	1	1,543.69	1	1,287.64	1	1,031.60	1	775.55	1	519.66	1	264.24	1	14.43	1		1			
1/4	1,794.41	1/4	1,538.36	1/4	1,282.31	1/4	1,026.26	1/4	770.22	1/4	514.34	1/4	258.91	1/4	11.10	1/4		1/4			
1/2	1,789.07	1/2	1,533.02	1/2	1,276.98	1/2	1,020.93	1/2	764.88	1/2	509.03	1/2	253.57	1/2	8.22	1/2		1/2			
3/4	1,783.74	3/4	1,527.69	3/4	1,271.64	3/4	1,015.60	3/4	759.54	3/4	503.71	3/4	248.23	3/4	6.28	3/4		3/4			
2	1,778.41	2	1,522.36	2	1,266.31	2	1,010.26	2	754.20	2	498.39	2	242.89	2	4.79	2		2			
1/4	1,773.07	1/4	1,517.02	1/4	1,260.98	1/4	1,004.93	1/4	748.86	1/4	493.08	1/4	237.55	1/4	3.30	1/4		1/4			
1/2	1,767.74	1/2	1,511.69	1/2	1,255.64	1/2	999.59	1/2	743.53	1/2	487.76	1/2	232.22	1/2	1.82	1/2		1/2			
3/4	1,762.41	3/4	1,506.36	3/4	1,250.30	3/4	994.26	3/4	738.19	3/4	482.45	3/4	226.88	3/4	1.07	3/4		3/4			
3	1,757.07	3	1,501.02	3	1,244.97	3	988.92	3	732.86	3	477.13	3	221.55	3		3		3			
1/4	1,751.74	1/4	1,495.69	1/4	1,239.63	1/4	983.58	1/4	727.52	1/4	471.82	1/4	216.21	1/4		1/4		1/4			
1/2	1,746.41	1/2	1,490.36	1/2	1,234.29	1/2	978.24	1/2	722.19	1/2	466.50	1/2	210.88	1/2		1/2		1/2			
3/4	1,741.07	3/4	1,485.02	3/4	1,228.95	3/4	972.91	3/4	716.86	3/4	461.19	3/4	205.55	3/4		3/4		3/4			
4	1,735.74	4	1,479.68	4	1,223.62	4	967.57	4	711.52	4	455.87	4	200.21	4		4		4			
1/4	1,730.41	1/4	1,474.34	1/4	1,218.29	1/4	962.24	1/4	706.19	1/4	450.55	1/4	194.88	1/4		1/4		1/4			
1/2	1,725.07	1/2	1,469.00	1/2	1,212.95	1/2	956.91	1/2	700.86	1/2	445.24	1/2	189.55	1/2		1/2		1/2			
3/4	1,719.73	3/4	1,463.67	3/4	1,207.62	3/4	951.57	3/4	695.52	3/4	439.93	3/4	184.21	3/4		3/4		3/4			
5	1,714.39	5	1,458.33	5	1,202.29	5	946.24	5	690.19	5	434.62	5	178.88	5		5		5			
1/4	1,709.05	1/4	1,453.00	1/4	1,196.95	1/4	940.91	1/4	684.86	1/4	429.31	1/4	173.55	1/4		1/4		1/4			
1/2	1,703.72	1/2	1,447.67	1/2	1,191.62	1/2	935.57	1/2	679.52	1/2	424.00	1/2	168.21	1/2		1/2		1/2			
3/4	1,698.38	3/4	1,442.33	3/4	1,186.29	3/4	930.24	3/4	674.19	3/4	418.69	3/4	162.88	3/4		3/4		3/4			
6	1,693.05	6	1,437.00	6	1,180.95	6	924.91	6	668.86	6	413.37	6	157.55	6		6		6			
1/4	1,687.71	1/4	1,431.67	1/4	1,175.62	1/4	919.57	1/4	663.52	1/4	408.05	1/4	152.21	1/4		1/4		1/4			
1/2	1,682.38	1/2	1,426.33	1/2	1,170.29	1/2	914.24	1/2	658.19	1/2	402.74	1/2	146.88	1/2		1/2		1/2			
3/4	1,677.05	3/4	1,421.00	3/4	1,164.95	3/4	908.91	3/4	652.85	3/4	397.42	3/4	141.55	3/4		3/4		3/4			
7	1,671.71	7	1,415.67	7	1,159.62	7	903.57	7	647.51	7	392.11	7	136.21	7		7		7			
1/4	1,666.38	1/4	1,410.33	1/4	1,154.29	1/4	898.24	1/4	642.17	1/4	386.79	1/4	130.88	1/4		1/4		1/4			
1/2	1,661.05	1/2	1,405.00	1/2	1,148.95	1/2	892.90	1/2	636.84	1/2	381.48	1/2	125.55	1/2		1/2		1/2			
3/4	1,655.71	3/4	1,399.67	3/4	1,143.62	3/4	887.57	3/4	631.50	3/4	376.16	3/4	120.21	3/4		3/4		3/4			
8	1,650.38	8	1,394.33	8	1,138.29	8	882.23	8	626.17	8	370.85	8	114.88	8		8		8			
1/4	1,645.05	1/4	1,389.00	1/4	1,132.95	1/4	876.89	1/4	620.83	1/4	365.53	1/4	109.55	1/4		1/4		1/4			
1/2	1,639.72	1/2	1,383.67	1/2	1,127.62	1/2	871.55	1/2	615.50	1/2	360.21	1/2	104.22	1/2		1/2		1/2			
3/4	1,634.38	3/4	1,378.33	3/4	1,122.28	3/4	866.21	3/4	610.17	3/4	354.89	3/4	98.88	3/4		3/4		3/4			
9	1,629.05	9	1,373.00	9	1,116.94	9	860.88	9	604.83	9	349.56	9	93.55	9		9		9			
1/4	1,623.72	1/4	1,367.67	1/4	1,111.60	1/4	855.55	1/4	599.50	1/4	344.23	1/4	88.22	1/4		1/4		1/4			
1/2	1,618.38	1/2	1,362.33	1/2	1,106.26	1/2	850.21	1/2	594.17	1/2	338.90	1/2	82.88	1/2		1/2		1/2			
3/4	1,613.05	3/4	1,357.00	3/4	1,100.93	3/4	844.88	3/4	588.83	3/4	333.57	3/4	77.55	3/4		3/4		3/4			
10	1,607.72	10	1,351.66	10	1,095.60	10	839.55	10	583.50	10	328.24	10	72.22	10		10		10			
1/4	1,602.38	1/4	1,346.32	1/4	1,090.26	1/4	834.21	1/4	578.17	1/4	322.91	1/4	66.88	1/4		1/4		1/4			
1/2	1,597.05	1/2	1,340.98	1/2	1,084.93	1/2	828.88	1/2	572.84	1/2	317.57	1/2	61.55	1/2		1/2		1/2			
3/4	1,591.71	3/4	1,335.64	3/4	1,079.60	3/4	823.55	3/4	567.51	3/4	312.24	3/4	56.21	3/4		3/4		3/4			
11	1,586.37	11	1,330.31	11	1,074.26	11	818.21	11	562.19	11	306.91	11	50.87	11		11		11			
1/4	1,581.03	1/4	1,324.98	1/4	1,068.93	1/4	812.88	1/4	556.87	1/4	301.57	1/4	45.53	1/4		1/4		1/4			
1/2	1,575.69	1/2	1,319.64	1/2	1,063.60	1/2	807.55	1/2	551.55	1/2	296.24	1/2	40.33	1/2		1/2		1/2			
3/4	1,570.36	3/4	1,314.31	3/4	1,058.26	3/4	802.22	3/4	546.23	3/4	290.91	3/4	35.42	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/21/1995 CTC
DECK MEASUREMENTS: 11/20/2008 SW
REPRINTED: 05/26/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2015

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



BARGE "CBC 28"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 10309"

GAUGE HEIGHT 17'-02 1/8"

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	0	0	0	3,422.09	0	3,214.38	0	2,992.14	0	2,769.93	0	2,547.69	0	2,301.00	0	2,047.45
1/4		1/4		1/4		1/4	3,419.63	1/4	3,209.76	1/4	2,987.52	1/4	2,765.30	1/4	2,543.06	1/4	2,297.71	1/4	2,042.17
1/2		1/2		1/2		1/2	3,416.96	1/2	3,205.13	1/2	2,982.89	1/2	2,760.67	1/2	2,538.43	1/2	2,290.43	1/2	2,036.89
3/4		3/4		3/4		3/4	3,414.30	3/4	3,200.51	3/4	2,978.27	3/4	2,756.04	3/4	2,533.80	3/4	2,285.14	3/4	2,031.61
1	1	1	1	1	1	1	3,411.45	1	3,195.88	1	2,973.64	1	2,751.41	1	2,529.17	1	2,279.86	1	2,026.33
1/4		1/4		1/4		1/4	3,408.20	1/4	3,191.25	1/4	2,969.01	1/4	2,746.77	1/4	2,524.54	1/4	2,274.58	1/4	2,021.05
1/2		1/2		1/2		1/2	3,404.75	1/2	3,186.62	1/2	2,964.38	1/2	2,742.14	1/2	2,519.90	1/2	2,269.30	1/2	2,015.76
3/4		3/4		3/4		3/4	3,401.30	3/4	3,181.99	3/4	2,959.75	3/4	2,737.51	3/4	2,515.27	3/4	2,264.02	3/4	2,010.48
2	2	2	2	2	2	2	3,397.67	2	3,177.36	2	2,955.12	2	2,732.88	2	2,510.58	2	2,258.74	2	2,005.19
1/4		1/4		1/4		1/4	3,393.66	1/4	3,172.73	1/4	2,950.49	1/4	2,728.25	1/4	2,505.77	1/4	2,253.46	1/4	1,999.91
1/2		1/2		1/2		1/2	3,389.46	1/2	3,168.10	1/2	2,945.86	1/2	2,723.62	1/2	2,500.89	1/2	2,248.18	1/2	1,994.63
3/4		3/4		3/4		3/4	3,385.27	3/4	3,163.46	3/4	2,941.23	3/4	2,718.99	3/4	2,496.02	3/4	2,242.90	3/4	1,989.35
3	3	3	3	3	3	3	3,380.96	3	3,158.83	3	2,936.60	3	2,714.36	3	2,491.04	3	2,237.62	3	1,984.07
1/4		1/4		1/4		1/4	3,376.44	1/4	3,154.20	1/4	2,931.96	1/4	2,709.73	1/4	2,485.86	1/4	2,232.33	1/4	1,978.79
1/2		1/2		1/2		1/2	3,371.81	1/2	3,149.57	1/2	2,927.33	1/2	2,705.10	1/2	2,480.58	1/2	2,227.05	1/2	1,973.51
3/4		3/4		3/4		3/4	3,367.18	3/4	3,144.94	3/4	2,922.70	3/4	2,700.46	3/4	2,475.30	3/4	2,221.76	3/4	1,968.23
4	4	4	4	4	4	4	3,362.55	4	3,140.31	4	2,918.07	4	2,695.83	4	2,470.02	4	2,216.48	4	1,962.95
1/4		1/4		1/4		1/4	3,357.92	1/4	3,135.68	1/4	2,913.44	1/4	2,691.20	1/4	2,464.74	1/4	2,211.20	1/4	1,957.67
1/2		1/2		1/2		1/2	3,353.29	1/2	3,131.05	1/2	2,908.81	1/2	2,686.57	1/2	2,459.45	1/2	2,205.92	1/2	1,952.38
3/4		3/4		3/4		3/4	3,348.66	3/4	3,126.42	3/4	2,904.18	3/4	2,681.94	3/4	2,454.17	3/4	2,200.64	3/4	1,947.10
5	5	5	5	5	5	5	3,344.02	5	3,121.79	5	2,899.55	5	2,677.31	5	2,448.88	5	2,195.36	5	1,941.81
1/4		1/4		1/4		1/4	3,339.39	1/4	3,117.15	1/4	2,894.92	1/4	2,672.68	1/4	2,443.60	1/4	2,190.07	1/4	1,936.53
1/2		1/2		1/2		1/2	3,334.76	1/2	3,112.52	1/2	2,890.30	1/2	2,668.06	1/2	2,438.32	1/2	2,184.79	1/2	1,931.25
3/4		3/4		3/4		3/4	3,330.13	3/4	3,107.89	3/4	2,885.67	3/4	2,663.43	3/4	2,433.04	3/4	2,179.50	3/4	1,925.97
6	6	6	6	6	6	6	3,325.50	6	3,103.26	6	2,881.05	6	2,658.81	6	2,427.76	6	2,174.22	6	1,920.69
1/4		1/4		1/4		1/4	3,320.87	1/4	3,098.64	1/4	2,876.42	1/4	2,654.18	1/4	2,422.48	1/4	2,168.93	1/4	1,915.40
1/2		1/2		1/2		1/2	3,316.24	1/2	3,094.01	1/2	2,871.79	1/2	2,649.55	1/2	2,417.20	1/2	2,163.66	1/2	1,910.12
3/4		3/4		3/4		3/4	3,311.61	3/4	3,089.39	3/4	2,867.16	3/4	2,644.92	3/4	2,411.92	3/4	2,158.38	3/4	1,904.83
7	7	7	7	7	7	7	3,306.98	7	3,084.76	7	2,862.52	7	2,640.29	7	2,406.64	7	2,153.10	7	1,899.55
1/4		1/4		1/4		1/4	3,302.35	1/4	3,080.13	1/4	2,857.89	1/4	2,635.65	1/4	2,401.36	1/4	2,147.82	1/4	1,894.27
1/2		1/2		1/2		1/2	3,297.73	1/2	3,075.50	1/2	2,853.26	1/2	2,631.02	1/2	2,396.07	1/2	2,142.54	1/2	1,888.99
3/4		3/4		3/4		3/4	3,293.10	3/4	3,070.87	3/4	2,848.63	3/4	2,626.39	3/4	2,390.79	3/4	2,137.26	3/4	1,883.71
8	8	8	8	8	8	8	3,288.47	8	3,066.24	8	2,844.00	8	2,621.76	8	2,385.50	8	2,131.97	8	1,878.43
1/4		1/4		1/4		1/4	3,283.85	1/4	3,061.61	1/4	2,839.37	1/4	2,617.13	1/4	2,380.22	1/4	2,126.69	1/4	1,873.15
1/2		1/2		1/2		1/2	3,279.21	1/2	3,056.98	1/2	2,834.74	1/2	2,612.50	1/2	2,374.94	1/2	2,121.40	1/2	1,867.87
3/4		3/4		3/4		3/4	3,274.58	3/4	3,052.35	3/4	2,830.11	3/4	2,607.87	3/4	2,369.66	3/4	2,116.12	3/4	1,862.59
9	9	9 1/8	3,435.50	9	3,269.95	9	3,047.71	9	2,825.48	9	2,603.24	9	2,364.38	9	2,110.83	9	1,857.31		
1/4		1/4	3,435.38	1/4	3,265.32	1/4	3,043.08	1/4	2,820.85	1/4	2,598.61	1/4	2,359.10	1/4	2,105.55	1/4	1,852.02		
1/2		1/2	3,435.10	1/2	3,260.69	1/2	3,038.45	1/2	2,816.21	1/2	2,593.98	1/2	2,353.81	1/2	2,100.27	1/2	1,846.74		
3/4		3/4	3,434.71	3/4	3,256.06	3/4	3,033.82	3/4	2,811.58	3/4	2,589.35	3/4	2,348.52	3/4	2,094.99	3/4	1,841.45		
10	10	10	3,434.11	10	3,251.43	10	3,029.19	10	2,806.95	10	2,584.72	10	2,343.24	10	2,089.71	10	1,836.17		
1/4		1/4	3,433.16	1/4	3,246.80	1/4	3,024.56	1/4	2,802.32	1/4	2,580.09	1/4	2,337.96	1/4	2,084.43	1/4	1,830.89		
1/2		1/2	3,432.04	1/2	3,242.17	1/2	3,019.93	1/2	2,797.69	1/2	2,575.46	1/2	2,332.68	1/2	2,079.15	1/2	1,825.61		
3/4		3/4	3,430.91	3/4	3,237.54	3/4	3,015.30	3/4	2,793.06	3/4	2,570.84	3/4	2,327.40	3/4	2,073.88	3/4	1,820.33		
11	11	11	3,429.60	11	3,232.90	11	3,010.67	11	2,788.43	11	2,566.21	11	2,322.12	11	2,068.59	11	1,815.05		
1/4		1/4	3,427.91	1/4	3,228.27	1/4	3,006.04	1/4	2,783.80	1/4	2,561.58	1/4	2,316.84	1/4	2,063.31	1/4	1,809.77		
1/2		1/2	3,426.04	1/2	3,223.64	1/2	3,001.40	1/2	2,779.18	1/2	2,556.95	1/2	2,311.56	1/2	2,058.02	1/2	1,804.49		
3/4		3/4	3,424.16	3/4	3,219.01	3/4	2,996.77	3/4	2,774.55	3/4	2,552.32	3/4	2,306.28	3/4	2,052.74	3/4	1,799.21		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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



BARGE "CBC 28"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "KIRBY 10309"

GAUGE HEIGHT 17'-02 1/8"

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	IN		IN	IN		IN	IN		IN	IN		IN	IN		IN
0	1,793.93	0	1,540.38	0	1,286.83	0	1,033.31	0	779.76	0	526.24	0	272.69	0	21.29	0		0		0		0		0		0		0	
1/4	1,788.64	1/4	1,535.10	1/4	1,281.55	1/4	1,028.02	1/4	774.48	1/4	520.95	1/4	267.40	1/4	17.62	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,783.36	1/2	1,529.82	1/2	1,276.27	1/2	1,022.74	1/2	769.20	1/2	515.67	1/2	262.12	1/2	14.31	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,778.07	3/4	1,524.54	3/4	1,270.99	3/4	1,017.45	3/4	763.92	3/4	510.38	3/4	256.83	3/4	11.00	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
1	1,772.79	1	1,519.26	1	1,265.71	1	1,012.17	1	758.64	1	505.10	1	251.55	1	8.15	1		1		1		1		1		1		1	
1/4	1,767.51	1/4	1,513.98	1/4	1,260.43	1/4	1,006.89	1/4	753.36	1/4	499.82	1/4	246.27	1/4	6.22	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,762.23	1/2	1,508.69	1/2	1,255.15	1/2	1,001.61	1/2	748.07	1/2	494.54	1/2	240.99	1/2	4.75	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,756.95	3/4	1,503.40	3/4	1,249.88	3/4	996.33	3/4	742.79	3/4	489.26	3/4	235.71	3/4	3.28	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
2	1,751.67	2	1,498.12	2	1,244.59	2	991.05	2	737.50	2	483.97	2	230.43	2	1.81	2		2		2		2		2		2		2	
1/4	1,746.38	1/4	1,492.84	1/4	1,239.31	1/4	985.77	1/4	732.22	1/4	478.69	1/4	225.14	1/4	1.07	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,741.10	1/2	1,487.56	1/2	1,234.02	1/2	980.49	1/2	726.94	1/2	473.40	1/2	219.86	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,735.81	3/4	1,482.28	3/4	1,228.74	3/4	975.21	3/4	721.66	3/4	468.12	3/4	214.57	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
3	1,730.53	3	1,477.00	3	1,223.45	3	969.93	3	716.38	3	462.83	3	209.29	3		3		3		3		3		3		3		3	
1/4	1,725.24	1/4	1,471.71	1/4	1,218.17	1/4	964.64	1/4	711.10	1/4	457.55	1/4	204.01	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,719.96	1/2	1,466.43	1/2	1,212.89	1/2	959.36	1/2	705.82	1/2	452.27	1/2	198.73	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,714.68	3/4	1,461.14	3/4	1,207.61	3/4	954.07	3/4	700.54	3/4	446.99	3/4	193.45	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
4	1,709.40	4	1,455.86	4	1,202.33	4	948.79	4	695.26	4	441.71	4	188.16	4		4		4		4		4		4		4		4	
1/4	1,704.13	1/4	1,450.58	1/4	1,197.05	1/4	943.51	1/4	689.98	1/4	436.43	1/4	182.88	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,698.85	1/2	1,445.30	1/2	1,191.76	1/2	938.23	1/2	684.69	1/2	431.15	1/2	177.58	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,693.57	3/4	1,440.02	3/4	1,186.48	3/4	932.95	3/4	679.40	3/4	425.88	3/4	172.29	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
5	1,688.28	5	1,434.74	5	1,181.19	5	927.67	5	674.12	5	420.59	5	167.00	5		5		5		5		5		5		5		5	
1/4	1,683.00	1/4	1,429.46	1/4	1,175.91	1/4	922.38	1/4	668.84	1/4	415.31	1/4	161.70	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,677.71	1/2	1,424.18	1/2	1,170.63	1/2	917.10	1/2	663.56	1/2	410.02	1/2	156.40	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,672.43	3/4	1,418.90	3/4	1,165.35	3/4	911.81	3/4	658.28	3/4	404.74	3/4	151.11	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
6	1,667.14	6	1,413.62	6	1,160.07	6	906.53	6	653.00	6	399.45	6	145.81	6		6		6		6		6		6		6		6	
1/4	1,661.86	1/4	1,408.33	1/4	1,154.79	1/4	901.24	1/4	647.72	1/4	394.17	1/4	140.51	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,656.58	1/2	1,403.05	1/2	1,149.51	1/2	895.96	1/2	642.44	1/2	388.89	1/2	135.21	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,651.30	3/4	1,397.76	3/4	1,144.23	3/4	890.68	3/4	637.16	3/4	383.61	3/4	129.92	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	1,646.02	7	1,392.48	7	1,138.95	7	885.40	7	631.88	7	378.33	7	124.62	7		7		7		7		7		7		7		7	
1/4	1,640.74	1/4	1,387.20	1/4	1,133.67	1/4	880.13	1/4	626.60	1/4	373.05	1/4	119.33	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,635.45	1/2	1,381.92	1/2	1,128.38	1/2	874.85	1/2	621.31	1/2	367.77	1/2	114.04	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,630.17	3/4	1,376.64	3/4	1,123.10	3/4	869.57	3/4	616.02	3/4	362.49	3/4	108.74	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	1,624.88	8	1,371.36	8	1,117.81	8	864.28	8	610.74	8	357.21	8	103.45	8		8		8		8		8		8		8		8	
1/4	1,619.60	1/4	1,366.08	1/4	1,112.53	1/4	859.00	1/4	605.46	1/4	351.93	1/4	98.15	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,614.32	1/2	1,360.80	1/2	1,107.25	1/2	853.71	1/2	600.18	1/2	346.64	1/2	92.86	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,609.04	3/4	1,355.52	3/4	1,101.97	3/4	848.43	3/4	594.90	3/4	341.36	3/4	87.56	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	1,603.76	9	1,350.24	9	1,096.69	9	843.14	9	589.62	9	336.07	9	82.26	9		9		9		9		9		9		9		9	
1/4	1,598.48	1/4	1,344.95	1/4	1,091.41	1/4	837.86	1/4	584.33	1/4	330.79	1/4	76.97	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,593.20	1/2	1,339.67	1/2	1,086.13	1/2	832.58	1/2	579.05	1/2	325.51	1/2	71.68	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,587.92	3/4	1,334.38	3/4	1,080.85	3/4	827.30	3/4	573.76	3/4	320.23	3/4	66.39	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	1,582.64	10	1,329.10	10	1,075.57	10	822.02	10	568.48	10	314.95	10	61.09	10		10		10		10		10		10		10		10	
1/4	1,577.36	1/4	1,323.82	1/4	1,070.29	1/4	816.74	1/4	563.20	1/4	309.67	1/4	55.80	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,572.07	1/2	1,318.54	1/2	1,065.00	1/2	811.46	1/2	557.92	1/2	304.38	1/2	50.50	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,566.79	3/4	1,313.26	3/4	1,059.71	3/4	806.18	3/4	552.64	3/4	299.10	3/4	45.20	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	1,561.50	11	1,307.97	11	1,054.43	11	800.90	11	547.36	11	293.81	11	40.04	11		11		11		11		11		11		11		11	
1/4	1,556.22	1/4	1,302.69	1/4	1,049.15	1/4	795.62	1/4	542.08	1/4	288.53	1/4	35.16	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,550.94	1/2	1,297.40	1/2	1,043.87	1/2	790.33	1/2	536.80	1/2	283.25	1/2	30.42	1/2		1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,545.66	3/4	1,292.12	3/4	1,038.59	3/4	785.05	3/4	531.52	3/4	277.97	3/4	25.67	3/4		3/4		3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 02/21/1995 CTC
DECK MEASUREMENTS: 11/20/2008 SW
REPRINTED: 05/26/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 05/2015

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