



BARGE "KIRBY 10443"

ULLAGE TRIM TABLE

	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	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/2	- 00-1/2	00-5/8	- 00-5/8	00-3/4	- 00-3/4	00-7/8	- 00-7/8
2 CENTER	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2
3 CENTER	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-1/2	- 00-1/2

(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 - 00-1/4"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 CENTER, THE TRIM CORRECTED ULLAGE IS 3'-11 3/4"

LENGTH BETWEEN DRAFT MARKS: 163'-03"

March 23, 2015

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

<http://www.pmacorp.net>



BARGE "KIRBY 10443"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

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	
0		0		0		0		0	3,563.45	0	3,310.63	0	3,057.81	0	2,801.09	0	2,505.65	0	2,209.45
1/4		1/4		1/4		1/4		1/4	3,558.18	1/4	3,305.36	1/4	3,052.55	1/4	2,794.94	1/4	2,499.48	1/4	2,203.28
1/2		1/2		1/2		1/2		1/2	3,552.91	1/2	3,300.10	1/2	3,047.28	1/2	2,788.79	1/2	2,493.31	1/2	2,197.11
3/4		3/4		3/4		3/4		3/4	3,547.65	3/4	3,294.83	3/4	3,042.01	3/4	2,782.64	3/4	2,487.14	3/4	2,190.94
1		1		1		1	3,763.14	1	3,542.38	1	3,289.56	1	3,036.75	1	2,776.49	1	2,480.96	1	2,184.77
1/4		1/4		1/4		1/4	3,762.10	1/4	3,537.11	1/4	3,284.30	1/4	3,031.48	1/4	2,770.33	1/4	2,474.79	1/4	2,178.60
1/2		1/2		1/2		1/2	3,761.07	1/2	3,531.84	1/2	3,279.03	1/2	3,026.21	1/2	2,764.18	1/2	2,468.62	1/2	2,172.43
3/4		3/4		3/4		3/4	3,760.04	3/4	3,526.58	3/4	3,273.76	3/4	3,020.95	3/4	2,758.03	3/4	2,462.45	3/4	2,166.26
2		2		2		2	3,759.00	2	3,521.31	2	3,268.49	2	3,015.68	2	2,751.88	2	2,456.28	2	2,160.09
1/4		1/4		1/4		1/4	3,755.91	1/4	3,516.04	1/4	3,263.23	1/4	3,010.41	1/4	2,745.73	1/4	2,450.11	1/4	2,153.92
1/2		1/2		1/2		1/2	3,752.81	1/2	3,510.78	1/2	3,257.96	1/2	3,005.14	1/2	2,739.57	1/2	2,443.94	1/2	2,147.75
3/4		3/4		3/4		3/4	3,749.71	3/4	3,505.51	3/4	3,252.69	3/4	2,999.88	3/4	2,733.42	3/4	2,437.77	3/4	2,141.58
3		3		3		3	3,746.61	3	3,500.24	3	3,247.43	3	2,994.61	3	2,727.27	3	2,431.60	3	2,135.41
1/4		1/4		1/4		1/4	3,742.47	1/4	3,494.98	1/4	3,242.16	1/4	2,989.34	1/4	2,721.12	1/4	2,425.43	1/4	2,129.24
1/2		1/2		1/2		1/2	3,738.32	1/2	3,489.71	1/2	3,236.89	1/2	2,984.08	1/2	2,714.97	1/2	2,419.26	1/2	2,123.06
3/4		3/4		3/4		3/4	3,734.17	3/4	3,484.44	3/4	3,231.63	3/4	2,978.81	3/4	2,708.81	3/4	2,413.09	3/4	2,116.89
4		4		4		4	3,730.02	4	3,479.17	4	3,226.36	4	2,973.54	4	2,702.66	4	2,406.92	4	2,110.72
1/4		1/4		1/4		1/4	3,724.89	1/4	3,473.91	1/4	3,221.09	1/4	2,968.28	1/4	2,696.51	1/4	2,400.75	1/4	2,104.55
1/2		1/2		1/2		1/2	3,719.76	1/2	3,468.64	1/2	3,215.82	1/2	2,963.01	1/2	2,690.36	1/2	2,394.58	1/2	2,098.38
3/4		3/4		3/4		3/4	3,714.62	3/4	3,463.37	3/4	3,210.56	3/4	2,957.74	3/4	2,684.21	3/4	2,388.40	3/4	2,092.21
5		5		5		5	3,709.49	5	3,458.11	5	3,205.29	5	2,952.47	5	2,678.05	5	2,382.23	5	2,086.04
1/4		1/4		1/4		1/4	3,704.32	1/4	3,452.84	1/4	3,200.02	1/4	2,947.21	1/4	2,671.90	1/4	2,376.06	1/4	2,079.87
1/2		1/2		1/2		1/2	3,699.15	1/2	3,447.57	1/2	3,194.76	1/2	2,941.94	1/2	2,665.75	1/2	2,369.89	1/2	2,073.70
3/4		3/4		3/4		3/4	3,693.99	3/4	3,442.31	3/4	3,189.49	3/4	2,936.67	3/4	2,659.60	3/4	2,363.72	3/4	2,067.53
6		6		6		6	3,688.82	6	3,437.04	6	3,184.22	6	2,931.41	6	2,653.45	6	2,357.55	6	2,061.36
1/4		1/4		1/4		1/4	3,683.64	1/4	3,431.77	1/4	3,178.96	1/4	2,926.14	1/4	2,647.29	1/4	2,351.38	1/4	2,055.19
1/2		1/2		1/2		1/2	3,678.45	1/2	3,426.50	1/2	3,173.69	1/2	2,920.87	1/2	2,641.14	1/2	2,345.21	1/2	2,049.02
3/4		3/4		3/4		3/4	3,673.27	3/4	3,421.24	3/4	3,168.42	3/4	2,915.61	3/4	2,634.99	3/4	2,339.04	3/4	2,042.85
7		7		7		7	3,668.09	7	3,415.97	7	3,163.15	7	2,910.34	7	2,628.84	7	2,332.87	7	2,036.67
1/4		1/4		1/4		1/4	3,662.91	1/4	3,410.70	1/4	3,157.89	1/4	2,905.07	1/4	2,622.69	1/4	2,326.70	1/4	2,030.50
1/2		1/2		1/2		1/2	3,657.73	1/2	3,405.44	1/2	3,152.62	1/2	2,899.80	1/2	2,616.53	1/2	2,320.53	1/2	2,024.33
3/4		3/4		3/4		3/4	3,652.55	3/4	3,400.17	3/4	3,147.35	3/4	2,894.54	3/4	2,610.38	3/4	2,314.36	3/4	2,018.16
8		8		8		8	3,647.37	8	3,394.90	8	3,142.09	8	2,889.27	8	2,604.23	8	2,308.19	8	2,011.99
1/4		1/4		1/4		1/4	3,642.19	1/4	3,389.64	1/4	3,136.82	1/4	2,884.00	1/4	2,598.08	1/4	2,302.01	1/4	2,005.82
1/2		1/2		1/2		1/2	3,637.01	1/2	3,384.37	1/2	3,131.55	1/2	2,878.74	1/2	2,591.93	1/2	2,295.84	1/2	1,999.65
3/4		3/4		3/4		3/4	3,631.83	3/4	3,379.10	3/4	3,126.29	3/4	2,873.47	3/4	2,585.77	3/4	2,289.67	3/4	1,993.48
9		9		9		9	3,626.65	9	3,373.83	9	3,121.02	9	2,868.20	9	2,579.62	9	2,283.50	9	1,987.31
1/4		1/4		1/4		1/4	3,621.38	1/4	3,368.57	1/4	3,115.75	1/4	2,862.91	1/4	2,573.47	1/4	2,277.33	1/4	1,981.14
1/2		1/2		1/2		1/2	3,616.12	1/2	3,363.30	1/2	3,110.48	1/2	2,857.62	1/2	2,567.32	1/2	2,271.16	1/2	1,974.97
3/4		3/4		3/4		3/4	3,610.85	3/4	3,358.03	3/4	3,105.22	3/4	2,852.33	3/4	2,561.17	3/4	2,264.99	3/4	1,968.80
10		10		10		10	3,605.58	10	3,352.77	10	3,099.95	10	2,847.03	10	2,555.01	10	2,258.82	10	1,962.63
1/4		1/4		1/4		1/4	3,600.32	1/4	3,347.50	1/4	3,094.68	1/4	2,841.74	1/4	2,548.84	1/4	2,252.65	1/4	1,956.46
1/2		1/2		1/2		1/2	3,595.05	1/2	3,342.23	1/2	3,089.42	1/2	2,836.45	1/2	2,542.67	1/2	2,246.48	1/2	1,950.28
3/4		3/4		3/4		3/4	3,589.78	3/4	3,336.97	3/4	3,084.15	3/4	2,831.16	3/4	2,536.50	3/4	2,240.31	3/4	1,944.11
11		11		11		11	3,584.51	11	3,331.70	11	3,078.88	11	2,825.87	11	2,530.33	11	2,234.14	11	1,937.94
1/4		1/4		1/4		1/4	3,579.25	1/4	3,326.43	1/4	3,073.62	1/4	2,819.67	1/4	2,524.16	1/4	2,227.97	1/4	1,931.77
1/2		1/2		1/2		1/2	3,573.98	1/2	3,321.16	1/2	3,068.35	1/2	2,813.48	1/2	2,517.99	1/2	2,221.80	1/2	1,925.60
3/4		3/4		3/4		3/4	3,568.71	3/4	3,315.90	3/4	3,063.08	3/4	2,807.29	3/4	2,511.82	3/4	2,215.62	3/4	1,919.43

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 32'-00" 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 10443"

1 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-07"

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	1,913.26	0	1,616.86	0	1,320.26	0	1,023.66	0	732.70	0	436.37	0	139.53	0		0		0	
1/4	1,907.09	1/4	1,610.68	1/4	1,314.08	1/4	1,017.48	1/4	726.61	1/4	430.18	1/4	133.36	1/4	1/4	1/4		1/4	
1/2	1,900.92	1/2	1,604.50	1/2	1,307.91	1/2	1,011.30	1/2	720.53	1/2	424.00	1/2	127.18	1/2	1/2	1/2		1/2	
3/4	1,894.75	3/4	1,598.33	3/4	1,301.73	3/4	1,005.12	3/4	714.45	3/4	417.82	3/4	121.01	3/4	3/4	3/4		3/4	
1	1,888.58	1	1,592.15	1	1,295.55	1	998.94	1	708.36	1	411.63	1	114.83	1	1	1		1	
1/4	1,882.41	1/4	1,585.97	1/4	1,289.37	1/4	992.76	1/4	702.20	1/4	405.45	1/4	108.67	1/4	1/4	1/4		1/4	
1/2	1,876.24	1/2	1,579.79	1/2	1,283.19	1/2	986.58	1/2	696.03	1/2	399.26	1/2	102.52	1/2	1/2	1/2		1/2	
3/4	1,870.07	3/4	1,573.62	3/4	1,277.01	3/4	980.40	3/4	689.87	3/4	393.08	3/4	96.36	3/4	3/4	3/4		3/4	
2	1,863.89	2	1,567.44	2	1,270.83	2	974.22	2	683.70	2	386.90	2	90.20	2	2	2		2	
1/4	1,857.72	1/4	1,561.26	1/4	1,264.65	1/4	968.11	1/4	677.52	1/4	380.71	1/4	84.08	1/4	1/4	1/4		1/4	
1/2	1,851.55	1/2	1,555.08	1/2	1,258.47	1/2	961.99	1/2	671.34	1/2	374.53	1/2	77.96	1/2	1/2	1/2		1/2	
3/4	1,845.38	3/4	1,548.90	3/4	1,252.29	3/4	955.87	3/4	665.15	3/4	368.35	3/4	71.83	3/4	3/4	3/4		3/4	
3	1,839.21	3	1,542.72	3	1,246.11	3	949.76	3	658.97	3	362.16	3	65.71	3	3	3		3	
1/4	1,833.04	1/4	1,536.54	1/4	1,239.93	1/4	943.70	1/4	652.79	1/4	355.98	1/4	59.64	1/4	1/4	1/4		1/4	
1/2	1,826.87	1/2	1,530.36	1/2	1,233.75	1/2	937.65	1/2	646.61	1/2	349.80	1/2	53.58	1/2	1/2	1/2		1/2	
3/4	1,820.70	3/4	1,524.18	3/4	1,227.57	3/4	931.60	3/4	640.42	3/4	343.61	3/4	47.51	3/4	3/4	3/4		3/4	
4	1,814.53	4	1,518.00	4	1,221.40	4	925.54	4	634.24	4	337.43	4	41.44	4	4	4		4	
1/4	1,808.35	1/4	1,511.82	1/4	1,215.22	1/4	919.49	1/4	628.06	1/4	331.24	1/4	36.29	1/4	1/4	1/4		1/4	
1/2	1,802.17	1/2	1,505.64	1/2	1,209.04	1/2	913.44	1/2	621.87	1/2	325.06	1/2	31.13	1/2	1/2	1/2		1/2	
3/4	1,795.99	3/4	1,499.46	3/4	1,202.86	3/4	907.39	3/4	615.69	3/4	318.88	3/4	25.98	3/4	3/4	3/4		3/4	
5	1,789.81	5	1,493.28	5	1,196.68	5	901.33	5	609.51	5	312.69	5	20.83	5	5	5		5	
1/4	1,783.63	1/4	1,487.11	1/4	1,190.50	1/4	895.30	1/4	603.32	1/4	306.51	1/4	17.73	1/4	1/4	1/4		1/4	
1/2	1,777.45	1/2	1,480.93	1/2	1,184.32	1/2	889.26	1/2	597.14	1/2	300.33	1/2	14.63	1/2	1/2	1/2		1/2	
3/4	1,771.28	3/4	1,474.75	3/4	1,178.14	3/4	883.22	3/4	590.96	3/4	294.14	3/4	11.53	3/4	3/4	3/4		3/4	
6	1,765.10	6	1,468.57	6	1,171.96	6	877.19	6	584.77	6	287.96	6	8.44	6	6	6		6	
1/4	1,758.92	1/4	1,462.39	1/4	1,165.78	1/4	871.17	1/4	578.59	1/4	281.78	1/4	7.40	1/4	1/4	1/4		1/4	
1/2	1,752.74	1/2	1,456.21	1/2	1,159.60	1/2	865.15	1/2	572.41	1/2	275.59	1/2	6.37	1/2	1/2	1/2		1/2	
3/4	1,746.56	3/4	1,450.03	3/4	1,153.42	3/4	859.12	3/4	566.22	3/4	269.41	3/4	5.34	3/4	3/4	3/4		3/4	
7	1,740.38	7	1,443.85	7	1,147.24	7	853.10	7	560.04	7	263.23	7	4.31	7	7	7		7	
1/4	1,734.20	1/4	1,437.67	1/4	1,141.06	1/4	847.08	1/4	553.85	1/4	257.04	1/4		1/4	1/4	1/4		1/4	
1/2	1,728.02	1/2	1,431.49	1/2	1,134.89	1/2	841.06	1/2	547.67	1/2	250.86	1/2		1/2	1/2	1/2		1/2	
3/4	1,721.85	3/4	1,425.31	3/4	1,128.71	3/4	835.04	3/4	541.49	3/4	244.67	3/4		3/4	3/4	3/4		3/4	
8	1,715.67	8	1,419.13	8	1,122.53	8	829.02	8	535.30	8	238.49	8		8	8	8		8	
1/4	1,709.49	1/4	1,412.95	1/4	1,116.35	1/4	823.00	1/4	529.12	1/4	232.31	1/4		1/4	1/4	1/4		1/4	
1/2	1,703.32	1/2	1,406.77	1/2	1,110.17	1/2	816.98	1/2	522.94	1/2	226.12	1/2		1/2	1/2	1/2		1/2	
3/4	1,697.14	3/4	1,400.60	3/4	1,103.99	3/4	810.96	3/4	516.75	3/4	219.94	3/4		3/4	3/4	3/4		3/4	
9	1,690.97	9	1,394.42	9	1,097.81	9	804.94	9	510.57	9	213.76	9		9	9	9		9	
1/4	1,684.79	1/4	1,388.24	1/4	1,091.63	1/4	798.92	1/4	504.39	1/4	207.57	1/4		1/4	1/4	1/4		1/4	
1/2	1,678.61	1/2	1,382.06	1/2	1,085.45	1/2	792.90	1/2	498.20	1/2	201.39	1/2		1/2	1/2	1/2		1/2	
3/4	1,672.44	3/4	1,375.88	3/4	1,079.27	3/4	786.88	3/4	492.02	3/4	195.21	3/4		3/4	3/4	3/4		3/4	
10	1,666.26	10	1,369.70	10	1,073.09	10	780.86	10	485.83	10	189.02	10		10	10	10		10	
1/4	1,660.09	1/4	1,363.52	1/4	1,066.91	1/4	774.84	1/4	479.65	1/4	182.84	1/4		1/4	1/4	1/4		1/4	
1/2	1,653.91	1/2	1,357.34	1/2	1,060.73	1/2	768.82	1/2	473.47	1/2	176.66	1/2		1/2	1/2	1/2		1/2	
3/4	1,647.74	3/4	1,351.16	3/4	1,054.55	3/4	762.80	3/4	467.28	3/4	170.47	3/4		3/4	3/4	3/4		3/4	
11	1,641.56	11	1,344.98	11	1,048.37	11	756.78	11	461.10	11	164.29	11		11	11	11		11	
1/4	1,635.38	1/4	1,338.80	1/4	1,042.20	1/4	750.76	1/4	454.92	1/4	158.10	1/4		1/4	1/4	1/4		1/4	
1/2	1,629.21	1/2	1,332.62	1/2	1,036.02	1/2	744.74	1/2	448.73	1/2	151.91	1/2		1/2	1/2	1/2		1/2	
3/4	1,623.03	3/4	1,326.44	3/4	1,029.84	3/4	738.72	3/4	442.55	3/4	145.72	3/4		3/4	3/4	3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2015 CL
CALCULATED: 03/19/2015 CL
PRINTED: 03/23/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2015

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



BARGE "KIRBY 10443"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0		0	3,260.03	0	2,998.14	0	2,736.25	0	2,473.95	0	2,210.66	0	1,947.36
1/4		1/4		1/4		1/4		1/4	3,254.57	1/4	2,992.68	1/4	2,730.79	1/4	2,468.47	1/4	2,205.17	1/4	1,941.88
1/2		1/2		1/2		1/2		1/2	3,475.78	1/2	2,987.23	1/2	2,725.34	1/2	2,462.98	1/2	2,199.69	1/2	1,936.39
3/4		3/4		3/4		3/4		3/4	3,474.86	3/4	2,981.77	3/4	2,719.88	3/4	2,457.50	3/4	2,194.20	3/4	1,930.91
1		1		1		1		1	3,473.95	1	2,976.31	1	2,714.43	1	2,452.01	1	2,188.72	1	1,925.42
1/4		1/4		1/4		1/4		1/4	3,473.03	1/4	2,970.86	1/4	2,708.97	1/4	2,446.53	1/4	2,183.23	1/4	1,919.94
1/2		1/2		1/2		1/2		1/2	3,472.12	1/2	2,965.40	1/2	2,703.51	1/2	2,441.04	1/2	2,177.75	1/2	1,914.45
3/4		3/4		3/4		3/4		3/4	3,469.37	3/4	2,959.95	3/4	2,698.06	3/4	2,435.55	3/4	2,172.26	3/4	1,908.97
2		2		2		2		2	3,466.63	2	2,954.49	2	2,692.60	2	2,430.07	2	2,166.77	2	1,903.48
1/4		1/4		1/4		1/4		1/4	3,463.88	1/4	2,949.03	1/4	2,687.15	1/4	2,424.58	1/4	2,161.29	1/4	1,898.00
1/2		1/2		1/2		1/2		1/2	3,461.14	1/2	2,943.58	1/2	2,681.69	1/2	2,419.10	1/2	2,155.80	1/2	1,892.51
3/4		3/4		3/4		3/4		3/4	3,456.70	3/4	2,938.12	3/4	2,676.23	3/4	2,413.61	3/4	2,150.32	3/4	1,887.02
3		3		3		3		3	3,452.25	3	2,932.67	3	2,670.78	3	2,408.13	3	2,144.83	3	1,881.54
1/4		1/4		1/4		1/4		1/4	3,447.81	1/4	2,927.21	1/4	2,665.32	1/4	2,402.64	1/4	2,139.35	1/4	1,876.05
1/2		1/2		1/2		1/2		1/2	3,443.36	1/2	2,921.75	1/2	2,659.87	1/2	2,397.16	1/2	2,133.86	1/2	1,870.57
3/4		3/4		3/4		3/4		3/4	3,438.05	3/4	2,916.30	3/4	2,654.41	3/4	2,391.67	3/4	2,128.38	3/4	1,865.08
4		4		4		4		4	3,432.73	4	2,910.84	4	2,648.95	4	2,386.19	4	2,122.89	4	1,859.60
1/4		1/4		1/4		1/4		1/4	3,427.41	1/4	2,905.39	1/4	2,643.50	1/4	2,380.70	1/4	2,117.41	1/4	1,854.11
1/2		1/2		1/2		1/2		1/2	3,422.10	1/2	2,899.93	1/2	2,638.04	1/2	2,375.22	1/2	2,111.92	1/2	1,848.63
3/4		3/4		3/4		3/4		3/4	3,416.75	3/4	2,894.47	3/4	2,632.59	3/4	2,369.73	3/4	2,106.44	3/4	1,843.14
5		5		5		5		5	3,411.40	5	2,889.02	5	2,627.13	5	2,364.25	5	2,100.95	5	1,837.66
1/4		1/4		1/4		1/4		1/4	3,406.05	1/4	2,883.56	1/4	2,621.67	1/4	2,358.76	1/4	2,095.47	1/4	1,832.17
1/2		1/2		1/2		1/2		1/2	3,400.71	1/2	2,878.11	1/2	2,616.22	1/2	2,353.28	1/2	2,089.98	1/2	1,826.69
3/4		3/4		3/4		3/4		3/4	3,395.35	3/4	2,872.65	3/4	2,610.76	3/4	2,347.79	3/4	2,084.50	3/4	1,821.20
6		6		6		6		6	3,389.99	6	2,867.19	6	2,605.31	6	2,342.30	6	2,079.01	6	1,815.72
1/4		1/4		1/4		1/4		1/4	3,384.63	1/4	2,861.74	1/4	2,599.85	1/4	2,336.82	1/4	2,073.52	1/4	1,810.23
1/2		1/2		1/2		1/2		1/2	3,379.27	1/2	2,856.28	1/2	2,594.39	1/2	2,331.33	1/2	2,068.04	1/2	1,804.75
3/4		3/4		3/4		3/4		3/4	3,373.91	3/4	2,850.83	3/4	2,588.94	3/4	2,325.85	3/4	2,062.55	3/4	1,799.26
7		7		7		7		7	3,368.55	7	2,845.37	7	2,583.48	7	2,320.36	7	2,057.07	7	1,793.77
1/4		1/4		1/4		1/4		1/4	3,363.19	1/4	2,839.91	1/4	2,578.03	1/4	2,314.88	1/4	2,051.58	1/4	1,788.29
1/2		1/2		1/2		1/2		1/2	3,357.84	1/2	2,834.46	1/2	2,572.57	1/2	2,309.39	1/2	2,046.10	1/2	1,782.80
3/4		3/4		3/4		3/4		3/4	3,352.48	3/4	2,829.00	3/4	2,567.11	3/4	2,303.91	3/4	2,040.61	3/4	1,777.32
8		8		8		8		8	3,347.12	8	2,823.55	8	2,561.66	8	2,298.42	8	2,035.13	8	1,771.83
1/4		1/4		1/4		1/4		1/4	3,341.77	1/4	2,818.09	1/4	2,556.20	1/4	2,292.94	1/4	2,029.64	1/4	1,766.35
1/2		1/2		1/2		1/2		1/2	3,336.41	1/2	2,812.63	1/2	2,550.75	1/2	2,287.45	1/2	2,024.16	1/2	1,760.86
3/4		3/4		3/4		3/4		3/4	3,330.95	3/4	2,807.18	3/4	2,545.26	3/4	2,281.97	3/4	2,018.67	3/4	1,755.38
9		9		9		9		9	3,325.50	9	2,801.72	9	2,539.78	9	2,276.48	9	2,013.19	9	1,749.89
1/4		1/4		1/4		1/4		1/4	3,320.04	1/4	2,796.27	1/4	2,534.29	1/4	2,271.00	1/4	2,007.70	1/4	1,744.41
1/2		1/2		1/2		1/2		1/2	3,314.59	1/2	2,790.81	1/2	2,528.80	1/2	2,265.51	1/2	2,002.22	1/2	1,738.92
3/4		3/4		3/4		3/4		3/4	3,309.13	3/4	2,785.35	3/4	2,523.32	3/4	2,260.02	3/4	1,996.73	3/4	1,733.44
10		10		10		10		10	3,303.67	10	2,779.90	10	2,517.83	10	2,254.54	10	1,991.25	10	1,727.95
1/4		1/4		1/4		1/4		1/4	3,298.22	1/4	2,774.44	1/4	2,512.35	1/4	2,249.05	1/4	1,985.76	1/4	1,722.47
1/2		1/2		1/2		1/2		1/2	3,292.76	1/2	2,768.99	1/2	2,506.86	1/2	2,243.57	1/2	1,980.27	1/2	1,716.98
3/4		3/4		3/4		3/4		3/4	3,287.31	3/4	2,763.53	3/4	2,501.38	3/4	2,238.08	3/4	1,974.79	3/4	1,711.49
11		11		11		11		11	3,281.85	11	2,758.07	11	2,495.89	11	2,232.60	11	1,969.30	11	1,706.01
1/4		1/4		1/4		1/4		1/4	3,276.39	1/4	2,752.62	1/4	2,490.41	1/4	2,227.11	1/4	1,963.82	1/4	1,700.52
1/2		1/2		1/2		1/2		1/2	3,270.94	1/2	2,747.16	1/2	2,484.92	1/2	2,221.63	1/2	1,958.33	1/2	1,695.04
3/4		3/4		3/4		3/4		3/4	3,265.48	3/4	2,741.71	3/4	2,479.44	3/4	2,216.14	3/4	1,952.85	3/4	1,689.55

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN WITH "HERMETIC" CLOSED GAUGING DEVICE
 GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 27'-06" FORWARD OF AFT BULKHEAD

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



BARGE "KIRBY 10443"

2 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	1,684.07	0	1,420.77	0	1,157.32	0	895.56	0	636.27	0	372.91	0	109.53	0		0			
1/4	1,678.58	1/4	1,415.29	1/4	1,151.83	1/4	890.16	1/4	630.82	1/4	367.42	1/4	104.06	1/4		1/4			
1/2	1,673.10	1/2	1,409.80	1/2	1,146.35	1/2	884.75	1/2	625.38	1/2	361.94	1/2	98.59	1/2		1/2			
3/4	1,667.61	3/4	1,404.31	3/4	1,140.86	3/4	879.35	3/4	619.89	3/4	356.45	3/4	93.14	3/4		3/4			
1	1,662.13	1	1,398.83	1	1,135.37	1	873.95	1	614.40	1	350.96	1	87.68	1	1	1			
1 1/4	1,656.64	1 1/4	1,393.34	1 1/4	1,129.88	1 1/4	868.54	1 1/4	608.91	1 1/4	345.47	1 1/4	82.23	1 1/4		1 1/4			
1 1/2	1,651.16	1 1/2	1,387.85	1 1/2	1,124.39	1 1/2	863.14	1 1/2	603.42	1 1/2	339.98	1 1/2	76.77	1 1/2		1 1/2			
1 3/4	1,645.67	1 3/4	1,382.36	1 3/4	1,118.90	1 3/4	857.73	1 3/4	597.93	1 3/4	334.50	1 3/4	71.35	1 3/4		1 3/4			
2	1,640.19	2	1,376.87	2	1,113.41	2	852.33	2	592.45	2	329.01	2	65.92	2	2	2			
2 1/4	1,634.70	2 1/4	1,371.38	2 1/4	1,107.92	2 1/4	846.93	2 1/4	586.96	2 1/4	323.52	2 1/4	60.50	2 1/4		2 1/4			
2 1/2	1,629.22	2 1/2	1,365.89	2 1/2	1,102.44	2 1/2	841.52	2 1/2	581.47	2 1/2	318.03	2 1/2	55.07	2 1/2		2 1/2			
2 3/4	1,623.73	2 3/4	1,360.41	2 3/4	1,096.95	2 3/4	836.12	2 3/4	575.98	2 3/4	312.54	2 3/4	49.70	2 3/4		2 3/4			
3	1,618.24	3	1,354.92	3	1,091.46	3	830.72	3	570.49	3	307.05	3	44.32	3	3	3			
3 1/4	1,612.76	3 1/4	1,349.43	3 1/4	1,085.97	3 1/4	825.31	3 1/4	565.00	3 1/4	301.57	3 1/4	38.95	3 1/4		3 1/4			
3 1/2	1,607.27	3 1/2	1,343.94	3 1/2	1,080.48	3 1/2	819.91	3 1/2	559.52	3 1/2	296.08	3 1/2	33.57	3 1/2		3 1/2			
3 3/4	1,601.79	3 3/4	1,338.45	3 3/4	1,074.99	3 3/4	814.51	3 3/4	554.03	3 3/4	290.59	3 3/4	29.01	3 3/4		3 3/4			
4	1,596.30	4	1,332.96	4	1,069.50	4	809.11	4	548.54	4	285.10	4	24.44	4	4	4			
4 1/4	1,590.82	4 1/4	1,327.47	4 1/4	1,064.02	4 1/4	803.71	4 1/4	543.05	4 1/4	279.61	4 1/4	19.88	4 1/4		4 1/4			
4 1/2	1,585.33	4 1/2	1,321.98	4 1/2	1,058.53	4 1/2	798.31	4 1/2	537.56	4 1/2	274.12	4 1/2	15.31	4 1/2		4 1/2			
4 3/4	1,579.85	4 3/4	1,316.50	4 3/4	1,053.04	4 3/4	792.91	4 3/4	532.07	4 3/4	268.64	4 3/4	12.57	4 3/4		4 3/4			
5	1,574.36	5	1,311.01	5	1,047.55	5	787.52	5	526.59	5	263.15	5	9.82	5	5	5			
5 1/4	1,568.88	5 1/4	1,305.52	5 1/4	1,042.06	5 1/4	782.12	5 1/4	521.10	5 1/4	257.66	5 1/4	7.08	5 1/4		5 1/4			
5 1/2	1,563.39	5 1/2	1,300.03	5 1/2	1,036.57	5 1/2	776.72	5 1/2	515.61	5 1/2	252.17	5 1/2	4.34	5 1/2		5 1/2			
5 3/4	1,557.91	5 3/4	1,294.54	5 3/4	1,031.08	5 3/4	771.32	5 3/4	510.12	5 3/4	246.68	5 3/4	3.42	5 3/4		5 3/4			
6	1,552.42	6	1,289.05	6	1,025.59	6	765.92	6	504.63	6	241.19	6	2.51	6	6	6			
6 1/4	1,546.94	6 1/4	1,283.56	6 1/4	1,020.11	6 1/4	760.52	6 1/4	499.14	6 1/4	235.71	6 1/4	1.59	6 1/4		6 1/4			
6 1/2	1,541.45	6 1/2	1,278.07	6 1/2	1,014.62	6 1/2	755.12	6 1/2	493.66	6 1/2	230.22	6 1/2	0.68	6 1/2		6 1/2			
6 3/4	1,535.97	6 3/4	1,272.59	6 3/4	1,009.17	6 3/4	749.73	6 3/4	488.17	6 3/4	224.73	6 3/4		6 3/4		6 3/4			
7	1,530.48	7	1,267.10	7	1,003.72	7	744.33	7	482.68	7	219.24	7		7	7	7			
7 1/4	1,524.99	7 1/4	1,261.61	7 1/4	998.28	7 1/4	738.93	7 1/4	477.19	7 1/4	213.75	7 1/4		7 1/4		7 1/4			
7 1/2	1,519.51	7 1/2	1,256.12	7 1/2	992.83	7 1/2	733.53	7 1/2	471.70	7 1/2	208.26	7 1/2		7 1/2		7 1/2			
7 3/4	1,514.02	7 3/4	1,250.63	7 3/4	987.43	7 3/4	728.13	7 3/4	466.21	7 3/4	202.78	7 3/4		7 3/4		7 3/4			
8	1,508.54	8	1,245.14	8	982.02	8	722.73	8	460.73	8	197.29	8		8	8	8			
8 1/4	1,503.05	8 1/4	1,239.65	8 1/4	976.62	8 1/4	717.33	8 1/4	455.24	8 1/4	191.80	8 1/4		8 1/4		8 1/4			
8 1/2	1,497.57	8 1/2	1,234.17	8 1/2	971.21	8 1/2	711.94	8 1/2	449.75	8 1/2	186.31	8 1/2		8 1/2		8 1/2			
8 3/4	1,492.08	8 3/4	1,228.68	8 3/4	965.81	8 3/4	706.54	8 3/4	444.26	8 3/4	180.82	8 3/4		8 3/4		8 3/4			
9	1,486.60	9	1,223.19	9	960.41	9	701.14	9	438.77	9	175.33	9		9	9	9			
9 1/4	1,481.11	9 1/4	1,217.70	9 1/4	955.00	9 1/4	695.74	9 1/4	433.28	9 1/4	169.85	9 1/4		9 1/4		9 1/4			
9 1/2	1,475.63	9 1/2	1,212.21	9 1/2	949.60	9 1/2	690.34	9 1/2	427.80	9 1/2	164.36	9 1/2		9 1/2		9 1/2			
9 3/4	1,470.14	9 3/4	1,206.72	9 3/4	944.19	9 3/4	684.94	9 3/4	422.31	9 3/4	158.87	9 3/4		9 3/4		9 3/4			
10	1,464.66	10	1,201.23	10	938.79	10	679.54	10	416.82	10	153.38	10		10	10	10			
10 1/4	1,459.17	10 1/4	1,195.74	10 1/4	933.39	10 1/4	674.15	10 1/4	411.33	10 1/4	147.89	10 1/4		10 1/4		10 1/4			
10 1/2	1,453.69	10 1/2	1,190.26	10 1/2	927.98	10 1/2	668.75	10 1/2	405.84	10 1/2	142.41	10 1/2		10 1/2		10 1/2			
10 3/4	1,448.20	10 3/4	1,184.77	10 3/4	922.58	10 3/4	663.35	10 3/4	400.35	10 3/4	136.92	10 3/4		10 3/4		10 3/4			
11	1,442.72	11	1,179.28	11	917.18	11	657.95	11	394.87	11	131.44	11		11	11	11			
11 1/4	1,437.23	11 1/4	1,173.79	11 1/4	911.77	11 1/4	652.55	11 1/4	389.38	11 1/4	125.96	11 1/4		11 1/4		11 1/4			
11 1/2	1,431.74	11 1/2	1,168.30	11 1/2	906.37	11 1/2	647.16	11 1/2	383.89	11 1/2	120.48	11 1/2		11 1/2		11 1/2			
11 3/4	1,426.26	11 3/4	1,162.81	11 3/4	900.96	11 3/4	641.71	11 3/4	378.40	11 3/4	115.00	11 3/4		11 3/4		11 3/4			

STRAPPED: 03/19/2015 CL
CALCULATED: 03/19/2015 CL
PRINTED: 03/23/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2015

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 10443"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/2"

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	3,234.92	0	2,975.40	0	2,715.88	0	2,455.95	0	2,195.03	0	1,934.10		
1/4		1/4		1/4		1/4	3,229.52	1/4	2,969.99	1/4	2,710.47	1/4	2,450.51	1/4	2,189.59	1/4	1,928.67		
1/2		1/2		1/2		1/2	3,448.72	1/2	3,224.11	1/2	2,964.59	1/2	2,705.07	1/2	2,445.08	1/2	2,184.15	1/2	1,923.23
3/4		3/4		3/4		3/4	3,447.81	3/4	3,218.70	3/4	2,959.18	3/4	2,699.66	3/4	2,439.64	3/4	2,178.72	3/4	1,917.79
1		1		1		1	3,446.90	1	3,213.30	1	2,953.77	1	2,694.25	1	2,434.21	1	2,173.28	1	1,912.36
1/4		1/4		1/4		1/4	3,446.00	1/4	3,207.89	1/4	2,948.37	1/4	2,688.85	1/4	2,428.77	1/4	2,167.85	1/4	1,906.92
1/2		1/2		1/2		1/2	3,445.09	1/2	3,202.48	1/2	2,942.96	1/2	2,683.44	1/2	2,423.33	1/2	2,162.41	1/2	1,901.49
3/4		3/4		3/4		3/4	3,442.37	3/4	3,197.08	3/4	2,937.55	3/4	2,678.03	3/4	2,417.90	3/4	2,156.97	3/4	1,896.05
2		2		2		2	3,439.65	2	3,191.67	2	2,932.15	2	2,672.63	2	2,412.46	2	2,151.54	2	1,890.62
1/4		1/4		1/4		1/4	3,436.93	1/4	3,186.26	1/4	2,926.74	1/4	2,667.22	1/4	2,407.03	1/4	2,146.10	1/4	1,885.18
1/2		1/2		1/2		1/2	3,434.21	1/2	3,180.86	1/2	2,921.33	1/2	2,661.81	1/2	2,401.59	1/2	2,140.67	1/2	1,879.74
3/4		3/4		3/4		3/4	3,429.81	3/4	3,175.45	3/4	2,915.93	3/4	2,656.41	3/4	2,396.15	3/4	2,135.23	3/4	1,874.31
3		3		3		3	3,425.41	3	3,170.04	3	2,910.52	3	2,651.00	3	2,390.72	3	2,129.79	3	1,868.87
1/4		1/4		1/4		1/4	3,421.00	1/4	3,164.64	1/4	2,905.11	1/4	2,645.59	1/4	2,385.28	1/4	2,124.36	1/4	1,863.44
1/2		1/2		1/2		1/2	3,416.60	1/2	3,159.23	1/2	2,899.71	1/2	2,640.19	1/2	2,379.85	1/2	2,118.92	1/2	1,858.00
3/4		3/4		3/4		3/4	3,411.33	3/4	3,153.82	3/4	2,894.30	3/4	2,634.78	3/4	2,374.41	3/4	2,113.49	3/4	1,852.56
4		4		4		4	3,406.06	4	3,148.42	4	2,888.89	4	2,629.37	4	2,368.97	4	2,108.05	4	1,847.13
1/4		1/4		1/4		1/4	3,400.80	1/4	3,143.01	1/4	2,883.49	1/4	2,623.97	1/4	2,363.54	1/4	2,102.62	1/4	1,841.69
1/2		1/2		1/2		1/2	3,395.53	1/2	3,137.60	1/2	2,878.08	1/2	2,618.56	1/2	2,358.10	1/2	2,097.18	1/2	1,836.26
3/4		3/4		3/4		3/4	3,390.23	3/4	3,132.20	3/4	2,872.67	3/4	2,613.15	3/4	2,352.67	3/4	2,091.74	3/4	1,830.82
5		5		5		5	3,384.93	5	3,126.79	5	2,867.27	5	2,607.75	5	2,347.23	5	2,086.31	5	1,825.38
1/4		1/4		1/4		1/4	3,379.63	1/4	3,121.38	1/4	2,861.86	1/4	2,602.34	1/4	2,341.79	1/4	2,080.87	1/4	1,819.95
1/2		1/2		1/2		1/2	3,374.33	1/2	3,115.97	1/2	2,856.45	1/2	2,596.93	1/2	2,336.36	1/2	2,075.44	1/2	1,814.51
3/4		3/4		3/4		3/4	3,369.02	3/4	3,110.57	3/4	2,851.05	3/4	2,591.53	3/4	2,330.92	3/4	2,070.00	3/4	1,809.08
6		6		6		6	3,363.70	6	3,105.16	6	2,845.64	6	2,586.12	6	2,325.49	6	2,064.56	6	1,803.64
1/4		1/4		1/4		1/4	3,358.39	1/4	3,099.75	1/4	2,840.23	1/4	2,580.71	1/4	2,320.05	1/4	2,059.13	1/4	1,798.20
1/2		1/2		1/2		1/2	3,353.08	1/2	3,094.35	1/2	2,834.83	1/2	2,575.30	1/2	2,314.62	1/2	2,053.69	1/2	1,792.77
3/4		3/4		3/4		3/4	3,347.77	3/4	3,088.94	3/4	2,829.42	3/4	2,569.90	3/4	2,309.18	3/4	2,048.26	3/4	1,787.33
7		7		7		7	3,342.46	7	3,083.53	7	2,824.01	7	2,564.49	7	2,303.74	7	2,042.82	7	1,781.90
1/4		1/4		1/4		1/4	3,337.15	1/4	3,078.13	1/4	2,818.61	1/4	2,559.08	1/4	2,298.31	1/4	2,037.38	1/4	1,776.46
1/2		1/2		1/2		1/2	3,331.85	1/2	3,072.72	1/2	2,813.20	1/2	2,553.68	1/2	2,292.87	1/2	2,031.95	1/2	1,771.03
3/4		3/4		3/4		3/4	3,326.54	3/4	3,067.31	3/4	2,807.79	3/4	2,548.27	3/4	2,287.44	3/4	2,026.51	3/4	1,765.59
8		8		8		8	3,321.23	8	3,061.91	8	2,802.39	8	2,542.86	8	2,282.00	8	2,021.08	8	1,760.15
1/4		1/4		1/4		1/4	3,315.92	1/4	3,056.50	1/4	2,796.98	1/4	2,537.46	1/4	2,276.56	1/4	2,015.64	1/4	1,754.72
1/2		1/2		1/2		1/2	3,310.62	1/2	3,051.09	1/2	2,791.57	1/2	2,532.05	1/2	2,271.13	1/2	2,010.20	1/2	1,749.28
3/4		3/4		3/4		3/4	3,305.21	3/4	3,045.69	3/4	2,786.17	3/4	2,526.62	3/4	2,265.69	3/4	2,004.77	3/4	1,743.85
9		9		9		9	3,299.80	9	3,040.28	9	2,780.76	9	2,521.18	9	2,260.26	9	1,999.33	9	1,738.41
1/4		1/4		1/4		1/4	3,294.40	1/4	3,034.87	1/4	2,775.35	1/4	2,515.74	1/4	2,254.82	1/4	1,993.90	1/4	1,732.97
1/2		1/2		1/2		1/2	3,288.99	1/2	3,029.47	1/2	2,769.95	1/2	2,510.31	1/2	2,249.38	1/2	1,988.46	1/2	1,727.54
3/4		3/4		3/4		3/4	3,283.58	3/4	3,024.06	3/4	2,764.54	3/4	2,504.87	3/4	2,243.95	3/4	1,983.03	3/4	1,722.10
10		10		10		10	3,278.18	10	3,018.65	10	2,759.13	10	2,499.44	10	2,238.51	10	1,977.59	10	1,716.67
1/4		1/4		1/4		1/4	3,272.77	1/4	3,013.25	1/4	2,753.73	1/4	2,494.00	1/4	2,233.08	1/4	1,972.15	1/4	1,711.23
1/2		1/2		1/2		1/2	3,267.36	1/2	3,007.84	1/2	2,748.32	1/2	2,488.56	1/2	2,227.64	1/2	1,966.72	1/2	1,705.79
3/4		3/4		3/4		3/4	3,261.96	3/4	3,002.43	3/4	2,742.91	3/4	2,483.13	3/4	2,222.21	3/4	1,961.28	3/4	1,700.36
11		11		11		11	3,256.55	11	2,997.03	11	2,737.51	11	2,477.69	11	2,216.77	11	1,955.85	11	1,694.92
1/4		1/4		1/4		1/4	3,251.14	1/4	2,991.62	1/4	2,732.10	1/4	2,472.26	1/4	2,211.33	1/4	1,950.41	1/4	1,689.49
1/2		1/2		1/2		1/2	3,245.74	1/2	2,986.21	1/2	2,726.69	1/2	2,466.82	1/2	2,205.90	1/2	1,944.97	1/2	1,684.05
3/4		3/4		3/4		3/4	3,240.33	3/4	2,980.81	3/4	2,721.29	3/4	2,461.38	3/4	2,200.46	3/4	1,939.54	3/4	1,678.62

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
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BARGE "KIRBY 10443"

3 CENTER ULLAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

GAUGE HEIGHT 16'-06 1/2"

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0	1,673.18	0	1,412.26	0	1,151.18	0	890.89	0	630.63	0	369.56	0	108.55	0		0		0	
1/4	1,667.74	1/4	1,406.82	1/4	1,145.74	1/4	885.48	1/4	625.19	1/4	364.12	1/4	103.13	1/4		1/4		1/4	
1/2	1,662.31	1/2	1,401.38	1/2	1,140.30	1/2	880.08	1/2	619.75	1/2	358.68	1/2	97.71	1/2		1/2		1/2	
3/4	1,656.87	3/4	1,395.94	3/4	1,134.86	3/4	874.68	3/4	614.31	3/4	353.25	3/4	92.30	3/4		3/4		3/4	
1	1,651.44	1	1,390.51	1	1,129.42	1	869.27	1	608.87	1	347.81	1	86.90	1		1		1	
1/4	1,646.00	1/4	1,385.07	1/4	1,123.98	1/4	863.87	1/4	603.43	1/4	342.37	1/4	81.49	1/4		1/4		1/4	
1/2	1,640.56	1/2	1,379.63	1/2	1,118.54	1/2	858.47	1/2	598.00	1/2	336.93	1/2	76.09	1/2		1/2		1/2	
3/4	1,635.13	3/4	1,374.19	3/4	1,113.10	3/4	853.06	3/4	592.56	3/4	331.49	3/4	70.71	3/4		3/4		3/4	
2	1,629.69	2	1,368.75	2	1,107.66	2	847.66	2	587.12	2	326.05	2	65.34	2		2		2	
1/4	1,624.26	1/4	1,363.31	1/4	1,102.22	1/4	842.26	1/4	581.68	1/4	320.61	1/4	59.96	1/4		1/4		1/4	
1/2	1,618.82	1/2	1,357.87	1/2	1,096.78	1/2	836.86	1/2	576.24	1/2	315.17	1/2	54.58	1/2		1/2		1/2	
3/4	1,613.38	3/4	1,352.43	3/4	1,091.34	3/4	831.45	3/4	570.80	3/4	309.73	3/4	49.26	3/4		3/4		3/4	
3	1,607.95	3	1,346.99	3	1,085.90	3	826.05	3	565.36	3	304.30	3	43.93	3		3		3	
1/4	1,602.51	1/4	1,341.55	1/4	1,080.47	1/4	820.65	1/4	559.92	1/4	298.86	1/4	38.60	1/4		1/4		1/4	
1/2	1,597.08	1/2	1,336.11	1/2	1,075.03	1/2	815.24	1/2	554.48	1/2	293.42	1/2	33.28	1/2		1/2		1/2	
3/4	1,591.64	3/4	1,330.67	3/4	1,069.59	3/4	809.85	3/4	549.05	3/4	287.98	3/4	28.75	3/4		3/4		3/4	
4	1,586.20	4	1,325.23	4	1,064.15	4	804.45	4	543.61	4	282.54	4	24.23	4		4		4	
1/4	1,580.77	1/4	1,319.79	1/4	1,058.71	1/4	799.05	1/4	538.17	1/4	277.10	1/4	19.70	1/4		1/4		1/4	
1/2	1,575.33	1/2	1,314.36	1/2	1,053.27	1/2	793.65	1/2	532.73	1/2	271.66	1/2	15.18	1/2		1/2		1/2	
3/4	1,569.90	3/4	1,308.92	3/4	1,047.83	3/4	788.22	3/4	527.29	3/4	266.22	3/4	12.46	3/4		3/4		3/4	
5	1,564.46	5	1,303.48	5	1,042.39	5	782.78	5	521.85	5	260.78	5	9.74	5		5		5	
1/4	1,559.03	1/4	1,298.04	1/4	1,036.95	1/4	777.35	1/4	516.41	1/4	255.35	1/4	7.02	1/4		1/4		1/4	
1/2	1,553.59	1/2	1,292.60	1/2	1,031.51	1/2	771.92	1/2	510.97	1/2	249.91	1/2	4.30	1/2		1/2		1/2	
3/4	1,548.15	3/4	1,287.16	3/4	1,026.07	3/4	766.48	3/4	505.53	3/4	244.47	3/4	3.40	3/4		3/4		3/4	
6	1,542.72	6	1,281.72	6	1,020.63	6	761.05	6	500.10	6	239.03	6	2.49	6		6		6	
1/4	1,537.28	1/4	1,276.28	1/4	1,015.19	1/4	755.61	1/4	494.66	1/4	233.59	1/4	1.58	1/4		1/4		1/4	
1/2	1,531.85	1/2	1,270.84	1/2	1,009.75	1/2	750.18	1/2	489.22	1/2	228.15	1/2	0.68	1/2		1/2		1/2	
3/4	1,526.41	3/4	1,265.40	3/4	1,004.35	3/4	744.75	3/4	483.78	3/4	222.71	3/4		3/4		3/4		3/4	
7	1,520.97	7	1,259.96	7	998.95	7	739.31	7	478.34	7	217.27	7		7		7		7	
1/4	1,515.54	1/4	1,254.52	1/4	993.55	1/4	733.88	1/4	472.90	1/4	211.83	1/4		1/4		1/4		1/4	
1/2	1,510.10	1/2	1,249.08	1/2	988.14	1/2	728.44	1/2	467.46	1/2	206.39	1/2		1/2		1/2		1/2	
3/4	1,504.67	3/4	1,243.64	3/4	982.74	3/4	723.01	3/4	462.02	3/4	200.96	3/4		3/4		3/4		3/4	
8	1,499.23	8	1,238.21	8	977.34	8	717.58	8	456.58	8	195.52	8		8		8		8	
1/4	1,493.79	1/4	1,232.77	1/4	971.93	1/4	712.14	1/4	451.15	1/4	190.08	1/4		1/4		1/4		1/4	
1/2	1,488.36	1/2	1,227.33	1/2	966.53	1/2	706.71	1/2	445.71	1/2	184.64	1/2		1/2		1/2		1/2	
3/4	1,482.92	3/4	1,221.89	3/4	961.13	3/4	701.27	3/4	440.27	3/4	179.20	3/4		3/4		3/4		3/4	
9	1,477.49	9	1,216.45	9	955.72	9	695.84	9	434.83	9	173.76	9		9		9		9	
1/4	1,472.05	1/4	1,211.01	1/4	950.32	1/4	690.41	1/4	429.39	1/4	168.32	1/4		1/4		1/4		1/4	
1/2	1,466.61	1/2	1,205.57	1/2	944.92	1/2	684.97	1/2	423.95	1/2	162.88	1/2		1/2		1/2		1/2	
3/4	1,461.18	3/4	1,200.13	3/4	939.51	3/4	679.54	3/4	418.51	3/4	157.45	3/4		3/4		3/4		3/4	
10	1,455.74	10	1,194.69	10	934.11	10	674.10	10	413.07	10	152.01	10		10		10		10	
1/4	1,450.31	1/4	1,189.25	1/4	928.71	1/4	668.67	1/4	407.63	1/4	146.57	1/4		1/4		1/4		1/4	
1/2	1,444.87	1/2	1,183.81	1/2	923.30	1/2	663.24	1/2	402.20	1/2	141.13	1/2		1/2		1/2		1/2	
3/4	1,439.44	3/4	1,178.37	3/4	917.90	3/4	657.80	3/4	396.76	3/4	135.70	3/4		3/4		3/4		3/4	
11	1,434.00	11	1,172.93	11	912.50	11	652.37	11	391.32	11	130.26	11		11		11		11	
1/4	1,428.56	1/4	1,167.49	1/4	907.10	1/4	646.94	1/4	385.88	1/4	124.83	1/4		1/4		1/4		1/4	
1/2	1,423.13	1/2	1,162.05	1/2	901.69	1/2	641.50	1/2	380.44	1/2	119.40	1/2		1/2		1/2		1/2	
3/4	1,417.69	3/4	1,156.62	3/4	896.29	3/4	636.07	3/4	375.00	3/4	113.97	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 03/19/2015 CL
CALCULATED: 03/19/2015 CL
PRINTED: 03/23/2015 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 03/2015

PRECISION MEASUREMENT
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