



BARGE "KIRBY 16830"

**PORT
HORIZONTAL**

INNAGE TABLE

PRIMARY GAUGE @ MIDSHIP

FORMERLY: FMT 2002

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	0.21	0	150.92	0	427.50	0	776.10	0	1,173.26	0	1,604.49	0	2,058.39	0	2,525.12	0	2,995.57	0	3,460.81
1/4	1.15	1/4	155.55	1/4	434.19	1/4	783.97	1/4	1,181.96	1/4	1,613.76	1/4	2,068.03	1/4	2,534.92	1/4	3,005.34	1/4	3,470.37
1/2	2.10	1/2	160.18	1/2	440.88	1/2	791.84	1/2	1,190.66	1/2	1,623.04	1/2	2,077.66	1/2	2,544.72	1/2	3,015.11	1/2	3,479.93
3/4	3.04	3/4	164.81	3/4	447.56	3/4	799.70	3/4	1,199.36	3/4	1,632.31	3/4	2,087.29	3/4	2,554.51	3/4	3,024.89	3/4	3,489.50
1	3.99	1	169.44	1	454.25	1	807.57	1	1,208.06	1	1,641.59	1	2,096.93	1	2,564.31	1	3,034.66	1	3,499.06
1/4	5.72	1/4	174.39	1/4	461.05	1/4	815.52	1/4	1,216.82	1/4	1,650.90	1/4	2,106.58	1/4	2,574.11	1/4	3,044.42	1/4	3,508.59
1/2	7.45	1/2	179.35	1/2	467.85	1/2	823.47	1/2	1,225.58	1/2	1,660.22	1/2	2,116.24	1/2	2,583.91	1/2	3,054.19	1/2	3,518.13
3/4	9.18	3/4	184.31	3/4	474.65	3/4	831.42	3/4	1,234.34	3/4	1,669.53	3/4	2,125.89	3/4	2,593.71	3/4	3,063.95	3/4	3,527.67
2	10.91	2	189.27	2	481.45	2	839.37	2	1,243.10	2	1,678.84	2	2,135.54	2	2,603.51	2	3,073.71	2	3,537.20
1/4	13.15	1/4	194.55	1/4	488.37	1/4	847.39	1/4	1,251.91	1/4	1,688.19	1/4	2,145.22	1/4	2,613.32	1/4	3,083.46	1/4	3,546.71
1/2	15.39	1/2	199.84	1/2	495.28	1/2	855.42	1/2	1,260.72	1/2	1,697.54	1/2	2,154.89	1/2	2,623.13	1/2	3,093.21	1/2	3,556.22
3/4	17.63	3/4	205.12	3/4	502.20	3/4	863.45	3/4	1,269.54	3/4	1,706.89	3/4	2,164.56	3/4	2,632.93	3/4	3,102.96	3/4	3,565.73
3	19.87	3	210.40	3	509.11	3	871.48	3	1,278.35	3	1,716.24	3	2,174.24	3	2,642.74	3	3,112.72	3	3,575.24
1/4	22.52	1/4	215.85	1/4	516.13	1/4	879.58	1/4	1,287.22	1/4	1,725.63	1/4	2,183.93	1/4	2,652.54	1/4	3,122.45	1/4	3,584.72
1/2	25.17	1/2	221.29	1/2	523.15	1/2	887.69	1/2	1,296.09	1/2	1,735.01	1/2	2,193.62	1/2	2,662.35	1/2	3,132.19	1/2	3,594.20
3/4	27.82	3/4	226.74	3/4	530.18	3/4	895.79	3/4	1,304.95	3/4	1,744.39	3/4	2,203.31	3/4	2,672.16	3/4	3,141.93	3/4	3,603.68
4	30.47	4	232.19	4	537.20	4	903.89	4	1,313.82	4	1,753.78	4	2,213.01	4	2,681.97	4	3,151.67	4	3,613.16
1/4	33.47	1/4	237.80	1/4	544.33	1/4	912.07	1/4	1,322.74	1/4	1,763.20	1/4	2,222.71	1/4	2,691.78	1/4	3,161.39	1/4	3,622.61
1/2	36.47	1/2	243.40	1/2	551.45	1/2	920.25	1/2	1,331.66	1/2	1,772.61	1/2	2,232.42	1/2	2,701.58	1/2	3,171.12	1/2	3,632.06
3/4	39.47	3/4	249.01	3/4	558.58	3/4	928.43	3/4	1,340.58	3/4	1,782.03	3/4	2,242.13	3/4	2,711.39	3/4	3,180.84	3/4	3,641.51
5	42.47	5	254.61	5	565.71	5	936.61	5	1,349.50	5	1,791.45	5	2,251.84	5	2,721.20	5	3,190.57	5	3,650.96
1/4	45.79	1/4	260.37	1/4	572.94	1/4	944.86	1/4	1,358.47	1/4	1,800.90	1/4	2,261.56	1/4	2,731.01	1/4	3,200.27	1/4	3,660.37
1/2	49.10	1/2	266.13	1/2	580.17	1/2	953.11	1/2	1,367.44	1/2	1,810.35	1/2	2,271.29	1/2	2,740.82	1/2	3,209.98	1/2	3,669.79
3/4	52.41	3/4	271.89	3/4	587.40	3/4	961.36	3/4	1,376.40	3/4	1,819.80	3/4	2,281.01	3/4	2,750.63	3/4	3,219.69	3/4	3,679.21
6	55.73	6	277.65	6	594.63	6	969.61	6	1,385.37	6	1,829.25	6	2,290.74	6	2,760.44	6	3,229.40	6	3,688.63
1/4	59.32	1/4	283.56	1/4	601.96	1/4	977.93	1/4	1,394.39	1/4	1,838.73	1/4	2,300.47	1/4	2,770.25	1/4	3,239.09	1/4	3,698.01
1/2	62.92	1/2	289.46	1/2	609.29	1/2	986.26	1/2	1,403.41	1/2	1,848.21	1/2	2,310.21	1/2	2,780.05	1/2	3,248.78	1/2	3,707.40
3/4	66.52	3/4	295.37	3/4	616.62	3/4	994.58	3/4	1,412.43	3/4	1,857.69	3/4	2,319.95	3/4	2,789.86	3/4	3,258.48	3/4	3,716.78
7	70.11	7	301.27	7	623.95	7	1,002.90	7	1,421.44	7	1,867.17	7	2,329.69	7	2,799.67	7	3,268.17	7	3,726.16
1/4	73.82	1/4	307.32	1/4	631.37	1/4	1,011.29	1/4	1,430.51	1/4	1,876.67	1/4	2,339.44	1/4	2,809.47	1/4	3,277.84	1/4	3,735.51
1/2	77.52	1/2	313.37	1/2	638.80	1/2	1,019.68	1/2	1,439.57	1/2	1,886.18	1/2	2,349.19	1/2	2,819.28	1/2	3,287.51	1/2	3,744.86
3/4	81.23	3/4	319.42	3/4	646.22	3/4	1,028.07	3/4	1,448.64	3/4	1,895.69	3/4	2,358.94	3/4	2,829.08	3/4	3,297.19	3/4	3,754.21
8	84.93	8	325.46	8	653.65	8	1,036.45	8	1,457.70	8	1,905.20	8	2,368.69	8	2,838.89	8	3,306.86	8	3,763.56
1/4	88.73	1/4	331.65	1/4	661.17	1/4	1,044.91	1/4	1,466.81	1/4	1,914.74	1/4	2,378.46	1/4	2,848.69	1/4	3,316.52	1/4	3,772.88
1/2	92.53	1/2	337.83	1/2	668.69	1/2	1,053.37	1/2	1,475.92	1/2	1,924.27	1/2	2,388.22	1/2	2,858.49	1/2	3,326.17	1/2	3,782.19
3/4	96.32	3/4	344.02	3/4	676.21	3/4	1,061.82	3/4	1,485.03	3/4	1,933.81	3/4	2,397.98	3/4	2,868.29	3/4	3,335.82	3/4	3,791.50
9	100.12	9	350.20	9	683.73	9	1,070.28	9	1,494.14	9	1,943.35	9	2,407.75	9	2,878.10	9	3,345.48	9	3,800.82
1/4	104.14	1/4	356.52	1/4	691.34	1/4	1,078.80	1/4	1,503.30	1/4	1,952.91	1/4	2,417.52	1/4	2,887.89	1/4	3,355.11	1/4	3,810.09
1/2	108.17	1/2	362.83	1/2	698.95	1/2	1,087.32	1/2	1,512.45	1/2	1,962.47	1/2	2,427.29	1/2	2,897.69	1/2	3,364.74	1/2	3,819.37
3/4	112.19	3/4	369.15	3/4	706.56	3/4	1,095.84	3/4	1,521.60	3/4	1,972.04	3/4	2,437.06	3/4	2,907.48	3/4	3,374.38	3/4	3,828.64
10	116.22	10	375.46	10	714.17	10	1,104.36	10	1,530.76	10	1,981.60	10	2,446.84	10	2,917.28	10	3,384.01	10	3,837.92
1/4	120.46	1/4	381.91	1/4	721.87	1/4	1,112.94	1/4	1,539.95	1/4	1,991.19	1/4	2,456.62	1/4	2,927.07	1/4	3,393.62	1/4	3,847.15
1/2	124.70	1/2	388.35	1/2	729.56	1/2	1,121.52	1/2	1,549.15	1/2	2,000.77	1/2	2,466.40	1/2	2,936.86	1/2	3,403.23	1/2	3,856.39
3/4	128.93	3/4	394.79	3/4	737.26	3/4	1,130.10	3/4	1,558.34	3/4	2,010.36	3/4	2,476.18	3/4	2,946.65	3/4	3,412.84	3/4	3,865.63
11	133.17	11	401.24	11	744.96	11	1,138.69	11	1,567.54	11	2,019.95	11	2,485.97	11	2,956.44	11	3,422.46	11	3,874.86
1/4	137.61	1/4	407.80	1/4	752.75	1/4	1,147.33	1/4	1,576.78	1/4	2,029.56	1/4	2,495.76	1/4	2,966.22	1/4	3,432.04	1/4	3,884.06
1/2	142.05	1/2	414.37	1/2	760.53	1/2	1,155.97	1/2	1,586.01	1/2	2,039.17	1/2	2,505.55	1/2	2,976.00	1/2	3,441.63	1/2	3,893.26
3/4	146.48	3/4	420.94	3/4	768.31	3/4	1,164.61	3/4	1,595.25	3/4	2,048.78	3/4	2,515.34	3/4	2,985.79	3/4	3,451.22	3/4	3,902.45

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.2E.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.
 GAUGE POINT: PRIMARY GAUGE @ MIDSHIP. SECONDARY GAUGE @ BOW.

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 16830"

PORT HORIZONTAL INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: FMT 2002

PRIMARY GAUGE @ MIDSHIP

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	3,911.65	0	4,338.05	0	4,728.24	0	5,066.93	0	5,330.38	0		0		0		0		0	
1/4	3,920.80	1/4	4,346.57	1/4	4,735.85	1/4	5,073.25	1/4	5,334.71	1/4		1/4		1/4		1/4		1/4	
1/2	3,929.96	1/2	4,355.09	1/2	4,743.46	1/2	5,079.56	1/2	5,339.03	1/2		1/2		1/2		1/2		1/2	
3/4	3,939.11	3/4	4,363.61	3/4	4,751.07	3/4	5,085.88	3/4	5,343.36	3/4		3/4		3/4		3/4		3/4	
1	3,948.26	1	4,372.13	1	4,758.68	1	5,092.19	1	5,347.68	1		1		1		1		1	
1/4	3,957.37	1/4	4,380.58	1/4	4,766.20	1/4	5,098.38	1/4	5,351.78	1/4		1/4		1/4		1/4		1/4	
1/2	3,966.48	1/2	4,389.04	1/2	4,773.72	1/2	5,104.56	1/2	5,355.88	1/2		1/2		1/2		1/2		1/2	
3/4	3,975.59	3/4	4,397.49	3/4	4,781.24	3/4	5,110.74	3/4	5,359.98	3/4		3/4		3/4		3/4		3/4	
2	3,984.70	2	4,405.95	2	4,788.76	2	5,116.93	2	5,364.09	2		2		2		2		2	
1/4	3,993.77	1/4	4,414.34	1/4	4,796.18	1/4	5,122.97	1/4	5,367.94	1/4		1/4		1/4		1/4		1/4	
1/2	4,002.83	1/2	4,422.73	1/2	4,803.61	1/2	5,129.02	1/2	5,371.80	1/2		1/2		1/2		1/2		1/2	
3/4	4,011.90	3/4	4,431.12	3/4	4,811.03	3/4	5,135.06	3/4	5,375.66	3/4		3/4		3/4		3/4		3/4	
3	4,020.96	3	4,439.51	3	4,818.46	3	5,141.11	3	5,379.52	3		3		3		3		3	
1/4	4,029.98	1/4	4,447.83	1/4	4,825.79	1/4	5,147.02	1/4	5,383.12	1/4		1/4		1/4		1/4		1/4	
1/2	4,039.00	1/2	4,456.15	1/2	4,833.12	1/2	5,152.92	1/2	5,386.72	1/2		1/2		1/2		1/2		1/2	
3/4	4,048.01	3/4	4,464.47	3/4	4,840.45	3/4	5,158.83	3/4	5,390.32	3/4		3/4		3/4		3/4		3/4	
4	4,057.03	4	4,472.79	4	4,847.78	4	5,164.73	4	5,393.92	4		4		4		4		4	
1/4	4,066.00	1/4	4,481.04	1/4	4,855.01	1/4	5,170.49	1/4	5,397.24	1/4		1/4		1/4		1/4		1/4	
1/2	4,074.97	1/2	4,489.29	1/2	4,862.24	1/2	5,176.25	1/2	5,400.56	1/2		1/2		1/2		1/2		1/2	
3/4	4,083.94	3/4	4,497.54	3/4	4,869.47	3/4	5,182.01	3/4	5,403.87	3/4		3/4		3/4		3/4		3/4	
5	4,092.91	5	4,505.80	5	4,876.70	5	5,187.77	5	5,407.19	5		5		5		5		5	
1/4	4,101.83	1/4	4,513.97	1/4	4,883.82	1/4	5,193.38	1/4	5,410.20	1/4		1/4		1/4		1/4		1/4	
1/2	4,110.75	1/2	4,522.15	1/2	4,890.95	1/2	5,198.99	1/2	5,413.20	1/2		1/2		1/2		1/2		1/2	
3/4	4,119.67	3/4	4,530.33	3/4	4,898.08	3/4	5,204.59	3/4	5,416.21	3/4		3/4		3/4		3/4		3/4	
6	4,128.58	6	4,538.51	6	4,905.21	6	5,210.20	6	5,419.21	6		6		6		6		6	
1/4	4,137.45	1/4	4,546.61	1/4	4,912.23	1/4	5,215.65	1/4	5,421.87	1/4		1/4		1/4		1/4		1/4	
1/2	4,146.32	1/2	4,554.72	1/2	4,919.25	1/2	5,221.10	1/2	5,424.52	1/2		1/2		1/2		1/2		1/2	
3/4	4,155.19	3/4	4,562.82	3/4	4,926.27	3/4	5,226.54	3/4	5,427.18	3/4		3/4		3/4		3/4		3/4	
7	4,164.05	7	4,570.93	7	4,933.30	7	5,231.99	7	5,429.83	7		7		7		7		7	
1/4	4,172.87	1/4	4,578.96	1/4	4,940.21	1/4	5,237.28	1/4	5,432.07	1/4		1/4		1/4		1/4		1/4	
1/2	4,181.68	1/2	4,586.98	1/2	4,947.12	1/2	5,242.56	1/2	5,434.32	1/2		1/2		1/2		1/2		1/2	
3/4	4,190.49	3/4	4,595.01	3/4	4,954.04	3/4	5,247.84	3/4	5,436.56	3/4		3/4		3/4		3/4		3/4	
8	4,199.31	8	4,603.04	8	4,960.95	8	5,253.12	8	5,438.80	8		8		8		8		8	
1/4	4,208.07	1/4	4,610.99	1/4	4,967.75	1/4	5,258.23	1/4	5,440.54	1/4		1/4		1/4		1/4		1/4	
1/2	4,216.83	1/2	4,618.94	1/2	4,974.55	1/2	5,263.34	1/2	5,442.27	1/2		1/2		1/2		1/2		1/2	
3/4	4,225.58	3/4	4,626.89	3/4	4,981.36	3/4	5,268.45	3/4	5,444.01	3/4		3/4		3/4		3/4		3/4	
9	4,234.34	9	4,634.83	9	4,988.16	9	5,273.56	9	5,445.74	9		9		9		9		9	
1/4	4,243.04	1/4	4,642.70	1/4	4,994.84	1/4	5,278.49	1/4	5,446.69	1/4		1/4		1/4		1/4		1/4	
1/2	4,251.75	1/2	4,650.57	1/2	5,001.53	1/2	5,283.42	1/2	5,447.64	1/2		1/2		1/2		1/2		1/2	
3/4	4,260.45	3/4	4,658.44	3/4	5,008.22	3/4	5,288.35	3/4	5,448.59	3/4		3/4		3/4		3/4		3/4	
10	4,269.15	10	4,666.31	10	5,014.90	10	5,293.28	10	5,449.54	10		10		10		10		10	
1/4	4,277.79	1/4	4,674.09	1/4	5,021.47	1/4	5,298.02	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,286.43	1/2	4,681.87	1/2	5,028.03	1/2	5,302.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,295.08	3/4	4,689.66	3/4	5,034.60	3/4	5,307.49	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,303.72	11	4,697.44	11	5,041.16	11	5,312.23	11		11		11		11		11		11	
1/4	4,312.30	1/4	4,705.14	1/4	5,047.61	1/4	5,316.77	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,320.88	1/2	4,712.84	1/2	5,054.05	1/2	5,321.31	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,329.47	3/4	4,720.54	3/4	5,060.49	3/4	5,325.84	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 12/03/2009 CL - SW
CALCULATED: 12/04/2009 CL
NAME CHANGE: 04/10/2024

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2024

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 16830"

CENTER
HORIZONTAL

INNAGE TABLE PRIMARY GAUGE @ MIDSHIP

FORMERLY: FMT 2002

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	0.21	0	150.91	0	427.49	0	776.10	0	1,173.28	0	1,604.56	0	2,058.52	0	2,525.31	0	2,995.82	0	3,461.12
1/4	1.15	1/4	155.54	1/4	434.17	1/4	783.96	1/4	1,181.99	1/4	1,613.84	1/4	2,068.15	1/4	2,535.11	1/4	3,005.59	1/4	3,470.68
1/2	2.10	1/2	160.16	1/2	440.86	1/2	791.83	1/2	1,190.69	1/2	1,623.11	1/2	2,077.79	1/2	2,544.91	1/2	3,015.37	1/2	3,480.25
3/4	3.04	3/4	164.79	3/4	447.54	3/4	799.70	3/4	1,199.39	3/4	1,632.39	3/4	2,087.42	3/4	2,554.70	3/4	3,025.14	3/4	3,489.81
1	3.99	1	169.42	1	454.23	1	807.57	1	1,208.09	1	1,641.67	1	2,097.06	1	2,564.50	1	3,034.92	1	3,499.37
1/4	5.72	1/4	174.38	1/4	461.03	1/4	815.52	1/4	1,216.85	1/4	1,650.98	1/4	2,106.71	1/4	2,574.31	1/4	3,044.68	1/4	3,508.91
1/2	7.45	1/2	179.34	1/2	467.83	1/2	823.47	1/2	1,225.61	1/2	1,660.29	1/2	2,116.37	1/2	2,584.11	1/2	3,054.44	1/2	3,518.45
3/4	9.18	3/4	184.30	3/4	474.64	3/4	831.42	3/4	1,234.37	3/4	1,669.61	3/4	2,126.02	3/4	2,593.91	3/4	3,064.21	3/4	3,527.99
2	10.91	2	189.26	2	481.44	2	839.37	2	1,243.13	2	1,678.92	2	2,135.68	2	2,603.71	2	3,073.97	2	3,537.52
1/4	13.15	1/4	194.54	1/4	488.35	1/4	847.40	1/4	1,251.95	1/4	1,688.27	1/4	2,145.35	1/4	2,613.52	1/4	3,083.72	1/4	3,547.03
1/2	15.39	1/2	199.82	1/2	495.26	1/2	855.42	1/2	1,260.76	1/2	1,697.62	1/2	2,155.03	1/2	2,623.33	1/2	3,093.48	1/2	3,556.54
3/4	17.63	3/4	205.10	3/4	502.18	3/4	863.45	3/4	1,269.57	3/4	1,706.98	3/4	2,164.70	3/4	2,633.13	3/4	3,103.23	3/4	3,566.05
3	19.87	3	210.38	3	509.09	3	871.48	3	1,278.39	3	1,716.33	3	2,174.38	3	2,642.94	3	3,112.98	3	3,575.56
1/4	22.52	1/4	215.83	1/4	516.11	1/4	879.58	1/4	1,287.26	1/4	1,725.71	1/4	2,184.07	1/4	2,652.75	1/4	3,122.72	1/4	3,585.05
1/2	25.17	1/2	221.28	1/2	523.14	1/2	887.69	1/2	1,296.13	1/2	1,735.10	1/2	2,193.77	1/2	2,662.56	1/2	3,132.46	1/2	3,594.53
3/4	27.81	3/4	226.72	3/4	530.16	3/4	895.79	3/4	1,304.99	3/4	1,744.48	3/4	2,203.46	3/4	2,672.37	3/4	3,142.20	3/4	3,604.01
4	30.46	4	232.17	4	537.18	4	903.90	4	1,313.86	4	1,753.87	4	2,213.15	4	2,682.17	4	3,151.94	4	3,613.49
1/4	33.47	1/4	237.78	1/4	544.31	1/4	912.08	1/4	1,322.78	1/4	1,763.29	1/4	2,222.86	1/4	2,691.99	1/4	3,161.67	1/4	3,622.94
1/2	36.47	1/2	243.38	1/2	551.44	1/2	920.26	1/2	1,331.70	1/2	1,772.70	1/2	2,232.57	1/2	2,701.80	1/2	3,171.39	1/2	3,632.39
3/4	39.47	3/4	248.99	3/4	558.57	3/4	928.44	3/4	1,340.62	3/4	1,782.12	3/4	2,242.28	3/4	2,711.61	3/4	3,181.12	3/4	3,641.84
5	42.47	5	254.60	5	565.69	5	936.62	5	1,349.54	5	1,791.54	5	2,251.99	5	2,721.42	5	3,190.84	5	3,651.29
1/4	45.78	1/4	260.35	1/4	572.92	1/4	944.87	1/4	1,358.51	1/4	1,800.99	1/4	2,261.72	1/4	2,731.23	1/4	3,200.55	1/4	3,660.71
1/2	49.09	1/2	266.11	1/2	580.16	1/2	953.12	1/2	1,367.48	1/2	1,810.44	1/2	2,271.44	1/2	2,741.04	1/2	3,210.26	1/2	3,670.13
3/4	52.41	3/4	271.87	3/4	587.39	3/4	961.37	3/4	1,376.45	3/4	1,819.89	3/4	2,281.17	3/4	2,750.85	3/4	3,219.97	3/4	3,679.55
6	55.72	6	277.63	6	594.62	6	969.62	6	1,385.42	6	1,829.34	6	2,290.89	6	2,760.66	6	3,229.68	6	3,688.97
1/4	59.32	1/4	283.54	1/4	601.95	1/4	977.94	1/4	1,394.44	1/4	1,838.83	1/4	2,300.63	1/4	2,770.47	1/4	3,239.37	1/4	3,698.35
1/2	62.91	1/2	289.44	1/2	609.27	1/2	986.27	1/2	1,403.46	1/2	1,848.31	1/2	2,310.37	1/2	2,780.28	1/2	3,249.07	1/2	3,707.74
3/4	66.51	3/4	295.35	3/4	616.60	3/4	994.59	3/4	1,412.48	3/4	1,857.79	3/4	2,320.11	3/4	2,790.08	3/4	3,258.76	3/4	3,717.12
7	70.10	7	301.25	7	623.93	7	1,002.91	7	1,421.50	7	1,867.27	7	2,329.85	7	2,799.89	7	3,268.45	7	3,726.51
1/4	73.81	1/4	307.30	1/4	631.36	1/4	1,011.30	1/4	1,430.56	1/4	1,876.78	1/4	2,339.60	1/4	2,809.70	1/4	3,278.13	1/4	3,735.86
1/2	77.51	1/2	313.35	1/2	638.79	1/2	1,019.69	1/2	1,439.63	1/2	1,886.29	1/2	2,349.36	1/2	2,819.51	1/2	3,287.80	1/2	3,745.21
3/4	81.22	3/4	319.40	3/4	646.21	3/4	1,028.08	3/4	1,448.69	3/4	1,895.80	3/4	2,359.11	3/4	2,829.31	3/4	3,297.48	3/4	3,754.56
8	84.92	8	325.44	8	653.64	8	1,036.47	8	1,457.76	8	1,905.31	8	2,368.86	8	2,839.12	8	3,307.15	8	3,763.91
1/4	88.72	1/4	331.63	1/4	661.16	1/4	1,044.93	1/4	1,466.87	1/4	1,914.85	1/4	2,378.62	1/4	2,848.92	1/4	3,316.81	1/4	3,773.22
1/2	92.51	1/2	337.81	1/2	668.68	1/2	1,053.38	1/2	1,475.98	1/2	1,924.38	1/2	2,388.39	1/2	2,858.72	1/2	3,326.46	1/2	3,782.54
3/4	96.31	3/4	344.00	3/4	676.20	3/4	1,061.84	3/4	1,485.09	3/4	1,933.92	3/4	2,398.15	3/4	2,868.53	3/4	3,336.12	3/4	3,791.85
9	100.11	9	350.18	9	683.72	9	1,070.30	9	1,494.20	9	1,943.46	9	2,407.92	9	2,878.33	9	3,345.77	9	3,801.17
1/4	104.13	1/4	356.50	1/4	691.33	1/4	1,078.82	1/4	1,503.36	1/4	1,953.02	1/4	2,417.69	1/4	2,888.13	1/4	3,355.41	1/4	3,810.44
1/2	108.16	1/2	362.81	1/2	698.94	1/2	1,087.34	1/2	1,512.51	1/2	1,962.59	1/2	2,427.47	1/2	2,897.93	1/2	3,365.04	1/2	3,819.72
3/4	112.18	3/4	369.13	3/4	706.55	3/4	1,095.86	3/4	1,521.67	3/4	1,972.15	3/4	2,437.24	3/4	2,907.72	3/4	3,374.68	3/4	3,829.00
10	116.21	10	375.44	10	714.16	10	1,104.38	10	1,530.82	10	1,981.72	10	2,447.01	10	2,917.52	10	3,384.31	10	3,838.27
1/4	120.44	1/4	381.89	1/4	721.86	1/4	1,112.96	1/4	1,540.02	1/4	1,991.30	1/4	2,456.80	1/4	2,927.31	1/4	3,393.92	1/4	3,847.51
1/2	124.68	1/2	388.33	1/2	729.56	1/2	1,121.54	1/2	1,549.21	1/2	2,000.89	1/2	2,466.58	1/2	2,937.10	1/2	3,403.54	1/2	3,856.75
3/4	128.92	3/4	394.77	3/4	737.26	3/4	1,130.13	3/4	1,558.41	3/4	2,010.48	3/4	2,476.36	3/4	2,946.89	3/4	3,413.15	3/4	3,865.99
11	133.16	11	401.22	11	744.96	11	1,138.71	11	1,567.61	11	2,020.07	11	2,486.15	11	2,956.68	11	3,422.76	11	3,875.22
1/4	137.59	1/4	407.79	1/4	752.74	1/4	1,147.35	1/4	1,576.85	1/4	2,029.68	1/4	2,495.94	1/4	2,966.47	1/4	3,432.35	1/4	3,884.42
1/2	142.03	1/2	414.35	1/2	760.53	1/2	1,156.00	1/2	1,586.08	1/2	2,039.30	1/2	2,505.73	1/2	2,976.25	1/2	3,441.94	1/2	3,893.62
3/4	146.47	3/4	420.92	3/4	768.31	3/4	1,164.64	3/4	1,595.32	3/4	2,048.91	3/4	2,515.52	3/4	2,986.03	3/4	3,451.53	3/4	3,902.81

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.2E.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.
GAUGE POINT: PRIMARY GAUGE @ MIDSHIP. SECONDARY GAUGE @ BOW.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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BARGE "KIRBY 16830"

CENTER
HORIZONTAL

INNAGE TABLE

PRIMARY GAUGE @ MIDSHIP

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: FMT 2002

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	3,912.01	0	4,338.46	0	4,728.67	0	5,067.38	0	5,330.82	0		0		0		0		0	
1/4	3,921.17	1/4	4,346.98	1/4	4,736.28	1/4	5,073.70	1/4	5,335.15	1/4		1/4		1/4		1/4		1/4	
1/2	3,930.32	1/2	4,355.50	1/2	4,743.89	1/2	5,080.01	1/2	5,339.47	1/2		1/2		1/2		1/2		1/2	
3/4	3,939.48	3/4	4,364.02	3/4	4,751.51	3/4	5,086.33	3/4	5,343.80	3/4		3/4		3/4		3/4		3/4	
1	3,948.63	1	4,372.54	1	4,759.12	1	5,092.64	1	5,348.12	1		1		1		1		1	
1/4	3,957.74	1/4	4,380.99	1/4	4,766.64	1/4	5,098.82	1/4	5,352.22	1/4		1/4		1/4		1/4		1/4	
1/2	3,966.85	1/2	4,389.45	1/2	4,774.16	1/2	5,105.01	1/2	5,356.32	1/2		1/2		1/2		1/2		1/2	
3/4	3,975.96	3/4	4,397.91	3/4	4,781.68	3/4	5,111.19	3/4	5,360.42	3/4		3/4		3/4		3/4		3/4	
2	3,985.07	2	4,406.36	2	4,789.19	2	5,117.37	2	5,364.52	2		2		2		2		2	
1/4	3,994.14	1/4	4,414.75	1/4	4,796.62	1/4	5,123.42	1/4	5,368.38	1/4		1/4		1/4		1/4		1/4	
1/2	4,003.21	1/2	4,423.14	1/2	4,804.05	1/2	5,129.47	1/2	5,372.24	1/2		1/2		1/2		1/2		1/2	
3/4	4,012.27	3/4	4,431.53	3/4	4,811.47	3/4	5,135.51	3/4	5,376.10	3/4		3/4		3/4		3/4		3/4	
3	4,021.34	3	4,439.92	3	4,818.90	3	5,141.56	3	5,379.96	3		3		3		3		3	
1/4	4,030.35	1/4	4,448.24	1/4	4,826.23	1/4	5,147.46	1/4	5,383.56	1/4		1/4		1/4		1/4		1/4	
1/2	4,039.37	1/2	4,456.57	1/2	4,833.56	1/2	5,153.37	1/2	5,387.16	1/2		1/2		1/2		1/2		1/2	
3/4	4,048.39	3/4	4,464.89	3/4	4,840.89	3/4	5,159.27	3/4	5,390.76	3/4		3/4		3/4		3/4		3/4	
4	4,057.41	4	4,473.21	4	4,848.22	4	5,165.18	4	5,394.36	4		4		4		4		4	
1/4	4,066.38	1/4	4,481.46	1/4	4,855.45	1/4	5,170.94	1/4	5,397.67	1/4		1/4		1/4		1/4		1/4	
1/2	4,075.35	1/2	4,489.71	1/2	4,862.68	1/2	5,176.70	1/2	5,400.99	1/2		1/2		1/2		1/2		1/2	
3/4	4,084.32	3/4	4,497.96	3/4	4,869.91	3/4	5,182.46	3/4	5,404.31	3/4		3/4		3/4		3/4		3/4	
5	4,093.29	5	4,506.22	5	4,877.14	5	5,188.22	5	5,407.63	5		5		5		5		5	
1/4	4,102.21	1/4	4,514.40	1/4	4,884.27	1/4	5,193.82	1/4	5,410.63	1/4		1/4		1/4		1/4		1/4	
1/2	4,111.13	1/2	4,522.57	1/2	4,891.39	1/2	5,199.43	1/2	5,413.64	1/2		1/2		1/2		1/2		1/2	
3/4	4,120.05	3/4	4,530.75	3/4	4,898.52	3/4	5,205.04	3/4	5,416.64	3/4		3/4		3/4		3/4		3/4	
6	4,128.97	6	4,538.93	6	4,905.65	6	5,210.65	6	5,419.65	6		6		6		6		6	
1/4	4,137.84	1/4	4,547.04	1/4	4,912.67	1/4	5,216.09	1/4	5,422.30	1/4		1/4		1/4		1/4		1/4	
1/2	4,146.71	1/2	4,555.14	1/2	4,919.70	1/2	5,221.54	1/2	5,424.95	1/2		1/2		1/2		1/2		1/2	
3/4	4,155.58	3/4	4,563.25	3/4	4,926.72	3/4	5,226.99	3/4	5,427.61	3/4		3/4		3/4		3/4		3/4	
7	4,164.44	7	4,571.35	7	4,933.74	7	5,232.44	7	5,430.26	7		7		7		7		7	
1/4	4,173.26	1/4	4,579.38	1/4	4,940.65	1/4	5,237.72	1/4	5,432.50	1/4		1/4		1/4		1/4		1/4	
1/2	4,182.07	1/2	4,587.41	1/2	4,947.57	1/2	5,243.00	1/2	5,434.75	1/2		1/2		1/2		1/2		1/2	
3/4	4,190.89	3/4	4,595.44	3/4	4,954.48	3/4	5,248.29	3/4	5,436.99	3/4		3/4		3/4		3/4		3/4	
8	4,199.70	8	4,603.47	8	4,961.40	8	5,253.57	8	5,439.23	8		8		8		8		8	
1/4	4,208.46	1/4	4,611.42	1/4	4,968.20	1/4	5,258.68	1/4	5,440.97	1/4		1/4		1/4		1/4		1/4	
1/2	4,217.22	1/2	4,619.36	1/2	4,975.00	1/2	5,263.79	1/2	5,442.70	1/2		1/2		1/2		1/2		1/2	
3/4	4,225.98	3/4	4,627.31	3/4	4,981.80	3/4	5,268.90	3/4	5,444.44	3/4		3/4		3/4		3/4		3/4	
9	4,234.74	9	4,635.26	9	4,988.60	9	5,274.01	9	5,446.17	9		9		9		9		9	
1/4	4,243.44	1/4	4,643.13	1/4	4,995.29	1/4	5,278.93	1/4	5,447.12	1/4		1/4		1/4		1/4		1/4	
1/2	4,252.14	1/2	4,651.00	1/2	5,001.98	1/2	5,283.86	1/2	5,448.07	1/2		1/2		1/2		1/2		1/2	
3/4	4,260.85	3/4	4,658.87	3/4	5,008.66	3/4	5,288.79	3/4	5,449.02	3/4		3/4		3/4		3/4		3/4	
10	4,269.55	10	4,666.74	10	5,015.35	10	5,293.72	10	5,449.97	10		10		10		10		10	
1/4	4,278.19	1/4	4,674.52	1/4	5,021.91	1/4	5,298.46	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,286.84	1/2	4,682.31	1/2	5,028.48	1/2	5,303.20	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,295.48	3/4	4,690.09	3/4	5,035.04	3/4	5,307.93	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,304.12	11	4,697.88	11	5,041.61	11	5,312.67	11		11		11		11		11		11	
1/4	4,312.71	1/4	4,705.58	1/4	5,048.05	1/4	5,317.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,321.29	1/2	4,713.28	1/2	5,054.50	1/2	5,321.75	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,329.87	3/4	4,720.97	3/4	5,060.94	3/4	5,326.28	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/03/2009 CL - SW
CALCULATED: 12/04/2009 CL
NAME CHANGE: 04/10/2024

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2024

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



BARGE "KIRBY 16830"

STBD HORIZONTAL

INNAGE TABLE PRIMARY GAUGE @ MIDSHIP

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: FMT 2002

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	0.21	0	151.11	0	428.07	0	777.16	0	1,174.91	0	1,606.80	0	2,061.41	0	2,528.88	0	3,000.06	0	3,466.03
1/4	1.15	1/4	155.75	1/4	434.76	1/4	785.04	1/4	1,183.62	1/4	1,616.09	1/4	2,071.06	1/4	2,538.69	1/4	3,009.85	1/4	3,475.61
1/2	2.10	1/2	160.38	1/2	441.46	1/2	792.92	1/2	1,192.34	1/2	1,625.38	1/2	2,080.71	1/2	2,548.50	1/2	3,019.64	1/2	3,485.19
3/4	3.04	3/4	165.01	3/4	448.15	3/4	800.80	3/4	1,201.05	3/4	1,634.67	3/4	2,090.36	3/4	2,558.31	3/4	3,029.43	3/4	3,494.76
1	3.99	1	169.65	1	454.85	1	808.68	1	1,209.77	1	1,643.96	1	2,100.00	1	2,568.12	1	3,039.22	1	3,504.34
1/4	5.72	1/4	174.61	1/4	461.66	1/4	816.64	1/4	1,218.54	1/4	1,653.29	1/4	2,109.67	1/4	2,577.94	1/4	3,048.99	1/4	3,513.89
1/2	7.46	1/2	179.58	1/2	468.47	1/2	824.60	1/2	1,227.31	1/2	1,662.61	1/2	2,119.34	1/2	2,587.76	1/2	3,058.77	1/2	3,523.45
3/4	9.19	3/4	184.55	3/4	475.28	3/4	832.56	3/4	1,236.08	3/4	1,671.94	3/4	2,129.01	3/4	2,597.57	3/4	3,068.55	3/4	3,533.00
2	10.92	2	189.51	2	482.09	2	840.52	2	1,244.85	2	1,681.27	2	2,138.68	2	2,607.39	2	3,078.33	2	3,542.55
1/4	13.16	1/4	194.80	1/4	489.01	1/4	848.56	1/4	1,253.68	1/4	1,690.63	1/4	2,148.37	1/4	2,617.21	1/4	3,088.09	1/4	3,552.07
1/2	15.41	1/2	200.09	1/2	495.94	1/2	856.60	1/2	1,262.51	1/2	1,700.00	1/2	2,158.06	1/2	2,627.03	1/2	3,097.86	1/2	3,561.60
3/4	17.65	3/4	205.38	3/4	502.86	3/4	864.64	3/4	1,271.34	3/4	1,709.36	3/4	2,167.75	3/4	2,636.85	3/4	3,107.63	3/4	3,571.12
3	19.89	3	210.67	3	509.78	3	872.68	3	1,280.16	3	1,718.72	3	2,177.44	3	2,646.67	3	3,117.39	3	3,580.64
1/4	22.54	1/4	216.12	1/4	516.82	1/4	880.79	1/4	1,289.04	1/4	1,728.12	1/4	2,187.14	1/4	2,656.50	1/4	3,127.15	1/4	3,590.14
1/2	25.20	1/2	221.58	1/2	523.85	1/2	888.91	1/2	1,297.92	1/2	1,737.52	1/2	2,196.85	1/2	2,666.32	1/2	3,136.90	1/2	3,599.63
3/4	27.85	3/4	227.03	3/4	530.88	3/4	897.03	3/4	1,306.80	3/4	1,746.92	3/4	2,206.56	3/4	2,676.14	3/4	3,146.66	3/4	3,609.13
4	30.50	4	232.49	4	537.91	4	905.14	4	1,315.69	4	1,756.32	4	2,216.27	4	2,685.97	4	3,156.41	4	3,618.62
1/4	33.51	1/4	238.10	1/4	545.05	1/4	913.33	1/4	1,324.62	1/4	1,765.75	1/4	2,225.99	1/4	2,695.79	1/4	3,166.15	1/4	3,628.09
1/2	36.51	1/2	243.71	1/2	552.19	1/2	921.52	1/2	1,333.55	1/2	1,775.18	1/2	2,235.71	1/2	2,705.61	1/2	3,175.89	1/2	3,637.55
3/4	39.52	3/4	249.33	3/4	559.33	3/4	929.71	3/4	1,342.48	3/4	1,784.62	3/4	2,245.44	3/4	2,715.44	3/4	3,185.63	3/4	3,647.01
5	42.52	5	254.94	5	566.47	5	937.91	5	1,351.42	5	1,794.05	5	2,255.16	5	2,725.26	5	3,195.37	5	3,656.48
1/4	45.84	1/4	260.71	1/4	573.71	1/4	946.17	1/4	1,360.40	1/4	1,803.51	1/4	2,264.90	1/4	2,735.09	1/4	3,205.09	1/4	3,665.91
1/2	49.16	1/2	266.47	1/2	580.95	1/2	954.43	1/2	1,369.38	1/2	1,812.98	1/2	2,274.64	1/2	2,744.91	1/2	3,214.81	1/2	3,675.34
3/4	52.47	3/4	272.24	3/4	588.19	3/4	962.70	3/4	1,378.36	3/4	1,822.44	3/4	2,284.38	3/4	2,754.74	3/4	3,224.54	3/4	3,684.77
6	55.79	6	278.01	6	595.43	6	970.96	6	1,387.35	6	1,831.91	6	2,294.12	6	2,764.56	6	3,234.26	6	3,694.21
1/4	59.39	1/4	283.92	1/4	602.77	1/4	979.29	1/4	1,396.38	1/4	1,841.40	1/4	2,303.87	1/4	2,774.38	1/4	3,243.97	1/4	3,703.61
1/2	62.99	1/2	289.84	1/2	610.11	1/2	987.63	1/2	1,405.41	1/2	1,850.89	1/2	2,313.63	1/2	2,784.21	1/2	3,253.68	1/2	3,713.00
3/4	66.59	3/4	295.75	3/4	617.45	3/4	995.96	3/4	1,414.44	3/4	1,860.39	3/4	2,323.38	3/4	2,794.03	3/4	3,263.38	3/4	3,722.40
7	70.19	7	301.66	7	624.79	7	1,004.29	7	1,423.47	7	1,869.88	7	2,333.13	7	2,803.85	7	3,273.09	7	3,731.80
1/4	73.90	1/4	307.72	1/4	632.22	1/4	1,012.69	1/4	1,432.55	1/4	1,879.41	1/4	2,342.90	1/4	2,813.68	1/4	3,282.78	1/4	3,741.17
1/2	77.61	1/2	313.77	1/2	639.66	1/2	1,021.10	1/2	1,441.63	1/2	1,888.93	1/2	2,352.67	1/2	2,823.50	1/2	3,292.47	1/2	3,750.53
3/4	81.32	3/4	319.83	3/4	647.09	3/4	1,029.50	3/4	1,450.71	3/4	1,898.46	3/4	2,362.43	3/4	2,833.32	3/4	3,302.16	3/4	3,759.89
8	85.03	8	325.89	8	654.53	8	1,037.90	8	1,459.79	8	1,907.98	8	2,372.20	8	2,843.14	8	3,311.85	8	3,769.26
1/4	88.83	1/4	332.08	1/4	662.06	1/4	1,046.37	1/4	1,468.91	1/4	1,917.53	1/4	2,381.98	1/4	2,852.95	1/4	3,321.51	1/4	3,778.59
1/2	92.64	1/2	338.27	1/2	669.59	1/2	1,054.84	1/2	1,478.04	1/2	1,927.08	1/2	2,391.76	1/2	2,862.77	1/2	3,331.18	1/2	3,787.91
3/4	96.44	3/4	344.46	3/4	677.12	3/4	1,063.30	3/4	1,487.16	3/4	1,936.63	3/4	2,401.53	3/4	2,872.59	3/4	3,340.85	3/4	3,797.24
9	100.24	9	350.66	9	684.65	9	1,071.77	9	1,496.28	9	1,946.18	9	2,411.31	9	2,882.40	9	3,350.52	9	3,806.57
1/4	104.27	1/4	356.98	1/4	692.27	1/4	1,080.31	1/4	1,505.45	1/4	1,955.76	1/4	2,421.10	1/4	2,892.22	1/4	3,360.17	1/4	3,815.86
1/2	108.30	1/2	363.30	1/2	699.89	1/2	1,088.84	1/2	1,514.62	1/2	1,965.34	1/2	2,430.89	1/2	2,902.03	1/2	3,369.82	1/2	3,825.15
3/4	112.33	3/4	369.63	3/4	707.52	3/4	1,097.37	3/4	1,523.79	3/4	1,974.92	3/4	2,440.68	3/4	2,911.84	3/4	3,379.47	3/4	3,834.44
10	116.36	10	375.95	10	715.14	10	1,105.90	10	1,532.95	10	1,984.50	10	2,450.47	10	2,921.65	10	3,389.12	10	3,843.73
1/4	120.60	1/4	382.41	1/4	722.85	1/4	1,114.50	1/4	1,542.16	1/4	1,994.10	1/4	2,460.26	1/4	2,931.46	1/4	3,398.74	1/4	3,852.98
1/2	124.85	1/2	388.86	1/2	730.56	1/2	1,123.09	1/2	1,551.37	1/2	2,003.70	1/2	2,470.06	1/2	2,941.26	1/2	3,408.37	1/2	3,862.23
3/4	129.09	3/4	395.31	3/4	738.27	3/4	1,131.69	3/4	1,560.58	3/4	2,013.30	3/4	2,479.86	3/4	2,951.07	3/4	3,417.99	3/4	3,871.48
11	133.33	11	401.76	11	745.98	11	1,140.28	11	1,569.79	11	2,022.91	11	2,489.66	11	2,960.87	11	3,427.62	11	3,880.73
1/4	137.78	1/4	408.34	1/4	753.77	1/4	1,148.94	1/4	1,579.05	1/4	2,032.53	1/4	2,499.46	1/4	2,970.67	1/4	3,437.22	1/4	3,889.94
1/2	142.22	1/2	414.91	1/2	761.57	1/2	1,157.60	1/2	1,588.30	1/2	2,042.16	1/2	2,509.27	1/2	2,980.47	1/2	3,446.83	1/2	3,899.15
3/4	146.67	3/4	421.49	3/4	769.36	3/4	1,166.25	3/4	1,597.55	3/4	2,051.79	3/4	2,519.07	3/4	2,990.26	3/4	3,456.43	3/4	3,908.36

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.2E.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES.
 GAUGE POINT: PRIMARY GAUGE @ MIDSHIP. SECONDARY GAUGE @ BOW.

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 16830"

STBD HORIZONTAL INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY: FMT 2002

PRIMARY GAUGE @ MIDSHIP

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	3,917.57	0	4,344.62	0	4,735.39	0	5,074.57	0	5,338.36	0		0		0		0		0	
1/4	3,926.74	1/4	4,353.16	1/4	4,743.01	1/4	5,080.89	1/4	5,342.69	1/4		1/4		1/4		1/4		1/4	
1/2	3,935.91	1/2	4,361.69	1/2	4,750.63	1/2	5,087.21	1/2	5,347.02	1/2		1/2		1/2		1/2		1/2	
3/4	3,945.08	3/4	4,370.22	3/4	4,758.25	3/4	5,093.54	3/4	5,351.35	3/4		3/4		3/4		3/4		3/4	
1	3,954.24	1	4,378.75	1	4,765.88	1	5,099.86	1	5,355.69	1		1		1		1		1	
1/4	3,963.37	1/4	4,387.22	1/4	4,773.41	1/4	5,106.05	1/4	5,359.79	1/4		1/4		1/4		1/4		1/4	
1/2	3,972.49	1/2	4,395.69	1/2	4,780.94	1/2	5,112.24	1/2	5,363.90	1/2		1/2		1/2		1/2		1/2	
3/4	3,981.62	3/4	4,404.16	3/4	4,788.47	3/4	5,118.43	3/4	5,368.00	3/4		3/4		3/4		3/4		3/4	
2	3,990.74	2	4,412.63	2	4,796.00	2	5,124.63	2	5,372.11	2		2		2		2		2	
1/4	3,999.82	1/4	4,421.03	1/4	4,803.43	1/4	5,130.68	1/4	5,375.97	1/4		1/4		1/4		1/4		1/4	
1/2	4,008.90	1/2	4,429.43	1/2	4,810.87	1/2	5,136.74	1/2	5,379.84	1/2		1/2		1/2		1/2		1/2	
3/4	4,017.98	3/4	4,437.83	3/4	4,818.31	3/4	5,142.79	3/4	5,383.70	3/4		3/4		3/4		3/4		3/4	
3	4,027.05	3	4,446.23	3	4,825.74	3	5,148.84	3	5,387.56	3		3		3		3		3	
1/4	4,036.09	1/4	4,454.57	1/4	4,833.08	1/4	5,154.76	1/4	5,391.17	1/4		1/4		1/4		1/4		1/4	
1/2	4,045.12	1/2	4,462.90	1/2	4,840.42	1/2	5,160.67	1/2	5,394.77	1/2		1/2		1/2		1/2		1/2	
3/4	4,054.15	3/4	4,471.24	3/4	4,847.76	3/4	5,166.58	3/4	5,398.38	3/4		3/4		3/4		3/4		3/4	
4	4,063.18	4	4,479.57	4	4,855.10	4	5,172.50	4	5,401.98	4		4		4		4		4	
1/4	4,072.16	1/4	4,487.83	1/4	4,862.34	1/4	5,178.26	1/4	5,405.30	1/4		1/4		1/4		1/4		1/4	
1/2	4,081.15	1/2	4,496.10	1/2	4,869.58	1/2	5,184.03	1/2	5,408.62	1/2		1/2		1/2		1/2		1/2	
3/4	4,090.13	3/4	4,504.36	3/4	4,876.82	3/4	5,189.80	3/4	5,411.95	3/4		3/4		3/4		3/4		3/4	
5	4,099.11	5	4,512.62	5	4,884.06	5	5,195.57	5	5,415.27	5		5		5		5		5	
1/4	4,108.04	1/4	4,520.81	1/4	4,891.20	1/4	5,201.18	1/4	5,418.28	1/4		1/4		1/4		1/4		1/4	
1/2	4,116.98	1/2	4,529.00	1/2	4,898.34	1/2	5,206.80	1/2	5,421.28	1/2		1/2		1/2		1/2		1/2	
3/4	4,125.91	3/4	4,537.19	3/4	4,905.48	3/4	5,212.41	3/4	5,424.29	3/4		3/4		3/4		3/4		3/4	
6	4,134.84	6	4,545.38	6	4,912.61	6	5,218.03	6	5,427.30	6		6		6		6		6	
1/4	4,143.72	1/4	4,553.50	1/4	4,919.65	1/4	5,223.48	1/4	5,429.96	1/4		1/4		1/4		1/4		1/4	
1/2	4,152.60	1/2	4,561.62	1/2	4,926.68	1/2	5,228.94	1/2	5,432.62	1/2		1/2		1/2		1/2		1/2	
3/4	4,161.48	3/4	4,569.73	3/4	4,933.71	3/4	5,234.39	3/4	5,435.27	3/4		3/4		3/4		3/4		3/4	
7	4,170.36	7	4,577.85	7	4,940.74	7	5,239.85	7	5,437.93	7		7		7		7		7	
1/4	4,179.19	1/4	4,585.89	1/4	4,947.67	1/4	5,245.14	1/4	5,440.18	1/4		1/4		1/4		1/4		1/4	
1/2	4,188.02	1/2	4,593.93	1/2	4,954.59	1/2	5,250.43	1/2	5,442.42	1/2		1/2		1/2		1/2		1/2	
3/4	4,196.85	3/4	4,601.97	3/4	4,961.51	3/4	5,255.72	3/4	5,444.67	3/4		3/4		3/4		3/4		3/4	
8	4,205.67	8	4,610.01	8	4,968.44	8	5,261.01	8	5,446.92	8		8		8		8		8	
1/4	4,214.45	1/4	4,617.97	1/4	4,975.25	1/4	5,266.12	1/4	5,448.65	1/4		1/4		1/4		1/4		1/4	
1/2	4,223.22	1/2	4,625.93	1/2	4,982.06	1/2	5,271.24	1/2	5,450.39	1/2		1/2		1/2		1/2		1/2	
3/4	4,231.99	3/4	4,633.89	3/4	4,988.87	3/4	5,276.36	3/4	5,452.12	3/4		3/4		3/4		3/4		3/4	
9	4,240.76	9	4,641.85	9	4,995.68	9	5,281.47	9	5,453.86	9		9		9		9		9	
1/4	4,249.48	1/4	4,649.73	1/4	5,002.38	1/4	5,286.41	1/4	5,454.81	1/4		1/4		1/4		1/4		1/4	
1/2	4,258.19	1/2	4,657.61	1/2	5,009.07	1/2	5,291.34	1/2	5,455.76	1/2		1/2		1/2		1/2		1/2	
3/4	4,266.90	3/4	4,665.49	3/4	5,015.77	3/4	5,296.28	3/4	5,456.71	3/4		3/4		3/4		3/4		3/4	
10	4,275.62	10	4,673.37	10	5,022.46	10	5,301.21	10	5,457.66	10		10		10		10		10	
1/4	4,284.28	1/4	4,681.16	1/4	5,029.04	1/4	5,305.96	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,292.93	1/2	4,688.96	1/2	5,035.61	1/2	5,310.70	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,301.59	3/4	4,696.76	3/4	5,042.19	3/4	5,315.44	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,310.24	11	4,704.55	11	5,048.76	11	5,320.19	11		11		11		11		11		11	
1/4	4,318.84	1/4	4,712.26	1/4	5,055.21	1/4	5,324.73	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,327.43	1/2	4,719.97	1/2	5,061.66	1/2	5,329.27	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,336.03	3/4	4,727.68	3/4	5,068.11	3/4	5,333.82	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 12/03/2009 CL - SW
CALCULATED: 12/04/2009 CL
NAME CHANGE: 04/10/2024

CANCELS AND SUPERCEDES
ALL PRIOR TO 04/2024

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
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