



# BARGE "KIRBY 16813"

## PORT HORIZONTAL INNAGE TABLE

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	0.24	0	163.20	0	454.78	0	820.65	0	1,237.81	0	1,690.67	0	2,166.80	0	2,655.37	0	3,146.22	0	3,629.34
1/4	1.23	1/4	168.35	1/4	461.79	1/4	828.91	1/4	1,246.95	1/4	1,700.40	1/4	2,176.90	1/4	2,665.61	1/4	3,156.39	1/4	3,639.24
1/2	2.21	1/2	173.51	1/2	468.80	1/2	837.17	1/2	1,256.09	1/2	1,710.14	1/2	2,186.99	1/2	2,675.84	1/2	3,166.57	1/2	3,649.13
3/4	3.19	3/4	178.66	3/4	475.82	3/4	845.44	3/4	1,265.23	3/4	1,719.88	3/4	2,197.09	3/4	2,686.08	3/4	3,176.74	3/4	3,659.03
1	4.18	1	183.81	1	482.83	1	853.70	1	1,274.37	1	1,729.61	1	2,207.18	1	2,696.32	1	3,186.91	1	3,668.93
1/4	5.98	1/4	189.16	1/4	489.96	1/4	862.05	1/4	1,283.57	1/4	1,739.39	1/4	2,217.30	1/4	2,706.56	1/4	3,197.07	1/4	3,678.79
1/2	7.78	1/2	194.50	1/2	497.10	1/2	870.40	1/2	1,292.77	1/2	1,749.16	1/2	2,227.42	1/2	2,716.80	1/2	3,207.23	1/2	3,688.66
3/4	9.58	3/4	199.85	3/4	504.23	3/4	878.74	3/4	1,301.97	3/4	1,758.94	3/4	2,237.53	3/4	2,727.04	3/4	3,217.39	3/4	3,698.52
2	11.38	2	205.19	2	511.37	2	887.09	2	1,311.17	2	1,768.71	2	2,247.65	2	2,737.29	2	3,227.55	2	3,708.39
1/4	13.71	1/4	210.72	1/4	518.62	1/4	895.52	1/4	1,320.43	1/4	1,778.52	1/4	2,257.78	1/4	2,747.53	1/4	3,237.69	1/4	3,718.22
1/2	16.05	1/2	216.24	1/2	525.87	1/2	903.96	1/2	1,329.69	1/2	1,788.34	1/2	2,267.91	1/2	2,757.77	1/2	3,247.83	1/2	3,728.05
3/4	18.38	3/4	221.77	3/4	533.13	3/4	912.39	3/4	1,338.94	3/4	1,798.15	3/4	2,278.05	3/4	2,768.01	3/4	3,257.98	3/4	3,737.88
3	20.71	3	227.30	3	540.38	3	920.82	3	1,348.20	3	1,807.96	3	2,288.18	3	2,778.25	3	3,268.12	3	3,747.71
1/4	23.48	1/4	233.00	1/4	547.75	1/4	929.33	1/4	1,357.51	1/4	1,817.81	1/4	2,298.33	1/4	2,788.50	1/4	3,278.24	1/4	3,757.50
1/2	26.24	1/2	238.70	1/2	555.12	1/2	937.84	1/2	1,366.83	1/2	1,827.66	1/2	2,308.48	1/2	2,798.74	1/2	3,288.37	1/2	3,767.29
3/4	29.00	3/4	244.41	3/4	562.49	3/4	946.35	3/4	1,376.14	3/4	1,837.50	3/4	2,318.63	3/4	2,808.98	3/4	3,298.49	3/4	3,777.09
4	31.76	4	250.11	4	569.85	4	954.87	4	1,385.45	4	1,847.35	4	2,328.79	4	2,819.22	4	3,308.62	4	3,786.88
1/4	34.89	1/4	255.98	1/4	577.33	1/4	963.46	1/4	1,394.82	1/4	1,857.23	1/4	2,338.95	1/4	2,829.46	1/4	3,318.72	1/4	3,796.64
1/2	38.02	1/2	261.85	1/2	584.81	1/2	972.05	1/2	1,404.19	1/2	1,867.11	1/2	2,349.12	1/2	2,839.70	1/2	3,328.83	1/2	3,806.39
3/4	41.15	3/4	267.72	3/4	592.29	3/4	980.64	3/4	1,413.56	3/4	1,876.99	3/4	2,359.29	3/4	2,849.94	3/4	3,338.94	3/4	3,816.15
5	44.28	5	273.59	5	599.77	5	989.23	5	1,422.92	5	1,886.87	5	2,369.45	5	2,860.18	5	3,349.04	5	3,825.90
1/4	47.74	1/4	279.62	1/4	607.36	1/4	997.90	1/4	1,432.34	1/4	1,896.79	1/4	2,379.63	1/4	2,870.42	1/4	3,359.13	1/4	3,835.62
1/2	51.20	1/2	285.65	1/2	614.95	1/2	1,006.56	1/2	1,441.76	1/2	1,906.70	1/2	2,389.81	1/2	2,880.66	1/2	3,369.21	1/2	3,845.34
3/4	54.65	3/4	291.68	3/4	622.54	3/4	1,015.23	3/4	1,451.18	3/4	1,916.61	3/4	2,399.99	3/4	2,890.89	3/4	3,379.30	3/4	3,855.05
6	58.11	6	297.71	6	630.13	6	1,023.90	6	1,460.60	6	1,926.53	6	2,410.17	6	2,901.13	6	3,389.38	6	3,864.77
1/4	61.86	1/4	303.90	1/4	637.82	1/4	1,032.64	1/4	1,470.07	1/4	1,936.47	1/4	2,420.37	1/4	2,911.36	1/4	3,399.44	1/4	3,874.45
1/2	65.62	1/2	310.09	1/2	645.51	1/2	1,041.38	1/2	1,479.54	1/2	1,946.42	1/2	2,430.56	1/2	2,921.59	1/2	3,409.51	1/2	3,884.12
3/4	69.37	3/4	316.27	3/4	653.20	3/4	1,050.12	3/4	1,489.01	3/4	1,956.36	3/4	2,440.75	3/4	2,931.83	3/4	3,419.57	3/4	3,893.80
7	73.13	7	322.46	7	660.90	7	1,058.86	7	1,498.48	7	1,966.30	7	2,450.95	7	2,942.06	7	3,429.63	7	3,903.47
1/4	77.15	1/4	328.80	1/4	668.69	1/4	1,067.67	1/4	1,508.00	1/4	1,976.28	1/4	2,461.15	1/4	2,952.28	1/4	3,439.67	1/4	3,913.11
1/2	81.18	1/2	335.13	1/2	676.49	1/2	1,076.48	1/2	1,517.52	1/2	1,986.25	1/2	2,471.36	1/2	2,962.51	1/2	3,449.71	1/2	3,922.74
3/4	85.21	3/4	341.47	3/4	684.28	3/4	1,085.30	3/4	1,527.04	3/4	1,996.22	3/4	2,481.56	3/4	2,972.74	3/4	3,459.75	3/4	3,932.37
8	89.23	8	347.81	8	692.08	8	1,094.11	8	1,536.56	8	2,006.19	8	2,491.76	8	2,982.96	8	3,469.79	8	3,942.00
1/4	93.51	1/4	354.29	1/4	699.97	1/4	1,102.99	1/4	1,546.12	1/4	2,016.20	1/4	2,501.98	1/4	2,993.18	1/4	3,479.80	1/4	3,951.59
1/2	97.79	1/2	360.77	1/2	707.87	1/2	1,111.87	1/2	1,555.69	1/2	2,026.20	1/2	2,512.19	1/2	3,003.40	1/2	3,489.81	1/2	3,961.18
3/4	102.07	3/4	367.25	3/4	715.76	3/4	1,120.75	3/4	1,565.25	3/4	2,036.20	3/4	2,522.41	3/4	3,013.62	3/4	3,499.83	3/4	3,970.77
9	106.35	9	373.73	9	723.66	9	1,129.64	9	1,574.82	9	2,046.20	9	2,532.62	9	3,023.84	9	3,509.84	9	3,980.36
1/4	110.87	1/4	380.35	1/4	731.65	1/4	1,138.59	1/4	1,584.43	1/4	2,056.22	1/4	2,542.84	1/4	3,034.04	1/4	3,519.83	1/4	3,989.90
1/2	115.39	1/2	386.97	1/2	739.64	1/2	1,147.54	1/2	1,594.04	1/2	2,066.25	1/2	2,553.07	1/2	3,044.25	1/2	3,529.82	1/2	3,999.44
3/4	119.91	3/4	393.59	3/4	747.63	3/4	1,156.49	3/4	1,603.65	3/4	2,076.28	3/4	2,563.29	3/4	3,054.46	3/4	3,539.80	3/4	4,008.99
10	124.43	10	400.21	10	755.62	10	1,165.43	10	1,613.26	10	2,086.30	10	2,573.51	10	3,064.67	10	3,549.79	10	4,018.53
1/4	129.17	1/4	406.97	1/4	763.70	1/4	1,174.45	1/4	1,622.92	1/4	2,096.35	1/4	2,583.74	1/4	3,074.87	1/4	3,559.75	1/4	4,028.02
1/2	133.91	1/2	413.72	1/2	771.78	1/2	1,183.47	1/2	1,632.57	1/2	2,106.40	1/2	2,593.97	1/2	3,085.07	1/2	3,569.71	1/2	4,037.52
3/4	138.65	3/4	420.48	3/4	779.87	3/4	1,192.48	3/4	1,642.23	3/4	2,116.46	3/4	2,604.20	3/4	3,095.27	3/4	3,579.67	3/4	4,047.01
11	143.39	11	427.24	11	787.95	11	1,201.50	11	1,651.88	11	2,126.51	11	2,614.43	11	3,105.47	11	3,589.62	11	4,056.51
1/4	148.34	1/4	434.12	1/4	796.13	1/4	1,210.57	1/4	1,661.58	1/4	2,136.58	1/4	2,624.66	1/4	3,115.66	1/4	3,599.55	1/4	4,065.95
1/2	153.29	1/2	441.01	1/2	804.30	1/2	1,219.65	1/2	1,671.27	1/2	2,146.65	1/2	2,634.90	1/2	3,125.84	1/2	3,609.48	1/2	4,075.40
3/4	158.25	3/4	447.89	3/4	812.47	3/4	1,228.73	3/4	1,680.97	3/4	2,156.73	3/4	2,645.13	3/4	3,136.03	3/4	3,619.41	3/4	4,084.84

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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.

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# BARGE "KIRBY 16813"

## PORT HORIZONTAL INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	4,094.29	0	4,529.50	0	4,921.13	0	5,250.45	0	5,484.03	0		0		0		0		0	
1/4	4,103.68	1/4	4,538.13	1/4	4,928.66	1/4	5,256.40	1/4	5,487.33	1/4		1/4		1/4		1/4		1/4	
1/2	4,113.07	1/2	4,546.76	1/2	4,936.20	1/2	5,262.36	1/2	5,490.63	1/2		1/2		1/2		1/2		1/2	
3/4	4,122.47	3/4	4,555.39	3/4	4,943.73	3/4	5,268.31	3/4	5,493.93	3/4		3/4		3/4		3/4		3/4	
1	4,131.86	1	4,564.01	1	4,951.27	1	5,274.26	1	5,497.22	1		1		1		1		1	
1/4	4,141.20	1/4	4,572.57	1/4	4,958.69	1/4	5,280.05	1/4	5,500.18	1/4		1/4		1/4		1/4		1/4	
1/2	4,150.54	1/2	4,581.12	1/2	4,966.11	1/2	5,285.83	1/2	5,503.13	1/2		1/2		1/2		1/2		1/2	
3/4	4,159.88	3/4	4,589.67	3/4	4,973.54	3/4	5,291.62	3/4	5,506.08	3/4		3/4		3/4		3/4		3/4	
2	4,169.22	2	4,598.22	2	4,980.96	2	5,297.41	2	5,509.03	2		2		2		2		2	
1/4	4,178.51	1/4	4,606.69	1/4	4,988.27	1/4	5,303.02	1/4	5,511.59	1/4		1/4		1/4		1/4		1/4	
1/2	4,187.80	1/2	4,615.17	1/2	4,995.59	1/2	5,308.64	1/2	5,514.15	1/2		1/2		1/2		1/2		1/2	
3/4	4,197.08	3/4	4,623.64	3/4	5,002.90	3/4	5,314.25	3/4	5,516.70	3/4		3/4		3/4		3/4		3/4	
3	4,206.37	3	4,632.11	3	5,010.21	3	5,319.87	3	5,519.26	3		3		3		3		3	
1/4	4,215.60	1/4	4,640.50	1/4	5,017.40	1/4	5,325.23	1/4	5,521.34	1/4		1/4		1/4		1/4		1/4	
1/2	4,224.83	1/2	4,648.89	1/2	5,024.60	1/2	5,330.58	1/2	5,523.43	1/2		1/2		1/2		1/2		1/2	
3/4	4,234.05	3/4	4,657.28	3/4	5,031.79	3/4	5,335.94	3/4	5,525.51	3/4		3/4		3/4		3/4		3/4	
4	4,243.28	4	4,665.67	4	5,038.99	4	5,341.30	4	5,527.60	4		4		4		4		4	
1/4	4,252.45	1/4	4,673.98	1/4	5,046.06	1/4	5,346.47	1/4	5,527.94	1/4		1/4		1/4		1/4		1/4	
1/2	4,261.62	1/2	4,682.28	1/2	5,053.13	1/2	5,351.64	1/2	5,528.29	1/2		1/2		1/2		1/2		1/2	
3/4	4,270.79	3/4	4,690.59	3/4	5,060.21	3/4	5,356.81	3/4	5,528.64	3/4		3/4		3/4		3/4		3/4	
5	4,279.96	5	4,698.89	5	5,067.28	5	5,361.98	5	5,528.99	5		5		5		5		5	
1/4	4,289.07	1/4	4,707.11	1/4	5,074.23	1/4	5,366.96	1/4	5,529.16	1/4		1/4		1/4		1/4		1/4	
1/2	4,298.18	1/2	4,715.33	1/2	5,081.18	1/2	5,371.93	1/2	5,529.33	1/2		1/2		1/2		1/2		1/2	
3/4	4,307.29	3/4	4,723.55	3/4	5,088.13	3/4	5,376.91	3/4		3/4		3/4		3/4		3/4		3/4	
6	4,316.40	6	4,731.77	6	5,095.08	6	5,381.88	6		6		6		6		6		6	
1/4	4,325.45	1/4	4,739.90	1/4	5,101.90	1/4	5,386.73	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,334.50	1/2	4,748.03	1/2	5,108.72	1/2	5,391.58	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,343.54	3/4	4,756.16	3/4	5,115.54	3/4	5,396.42	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,352.59	7	4,764.29	7	5,122.37	7	5,401.27	7		7		7		7		7		7	
1/4	4,361.57	1/4	4,772.32	1/4	5,129.05	1/4	5,405.90	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,370.56	1/2	4,780.36	1/2	5,135.74	1/2	5,410.53	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,379.54	3/4	4,788.40	3/4	5,142.43	3/4	5,415.17	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,388.52	8	4,796.44	8	5,149.12	8	5,419.80	8		8		8		8		8		8	
1/4	4,397.44	1/4	4,804.38	1/4	5,155.67	1/4	5,424.20	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,406.35	1/2	4,812.32	1/2	5,162.22	1/2	5,428.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,415.27	3/4	4,820.26	3/4	5,168.77	3/4	5,433.00	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,424.19	9	4,828.21	9	5,175.33	9	5,437.40	9		9		9		9		9		9	
1/4	4,433.03	1/4	4,836.05	1/4	5,181.74	1/4	5,441.56	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,441.88	1/2	4,843.90	1/2	5,188.14	1/2	5,445.71	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,450.73	3/4	4,851.74	3/4	5,194.55	3/4	5,449.87	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,459.58	10	4,859.59	10	5,200.96	10	5,454.02	10		10		10		10		10		10	
1/4	4,468.35	1/4	4,867.33	1/4	5,207.23	1/4	5,457.92	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,477.13	1/2	4,875.08	1/2	5,213.49	1/2	5,461.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,485.91	3/4	4,882.82	3/4	5,219.75	3/4	5,465.70	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,494.68	11	4,890.56	11	5,226.01	11	5,469.60	11		11		11		11		11		11	
1/4	4,503.39	1/4	4,898.21	1/4	5,232.12	1/4	5,473.21	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,512.09	1/2	4,905.85	1/2	5,238.23	1/2	5,476.81	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,520.79	3/4	4,913.49	3/4	5,244.34	3/4	5,480.42	3/4		3/4		3/4		3/4		3/4		3/4	

STRAPPED: 08/18/2009 CL - SW  
CALCULATED: 08/18/2009 CL  
PRINTED: 08/18/2009 CL

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# BARGE "KIRBY 16813"

## CENTER HORIZONTAL INNAGE TABLE

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	0.24	0	163.26	0	455.02	0	821.19	0	1,238.74	0	1,692.05	0	2,168.69	0	2,657.78	0	3,149.17	0	3,632.81
1/4	1.23	1/4	168.41	1/4	462.04	1/4	829.46	1/4	1,247.89	1/4	1,701.80	1/4	2,178.80	1/4	2,668.03	1/4	3,159.35	1/4	3,642.71
1/2	2.21	1/2	173.57	1/2	469.06	1/2	837.73	1/2	1,257.04	1/2	1,711.54	1/2	2,188.90	1/2	2,678.28	1/2	3,169.54	1/2	3,652.62
3/4	3.19	3/4	178.73	3/4	476.08	3/4	846.00	3/4	1,266.19	3/4	1,721.29	3/4	2,199.01	3/4	2,688.53	3/4	3,179.72	3/4	3,662.53
1	4.18	1	183.88	1	483.09	1	854.27	1	1,275.33	1	1,731.04	1	2,209.11	1	2,698.78	1	3,189.91	1	3,672.44
1/4	5.98	1/4	189.23	1/4	490.23	1/4	862.63	1/4	1,284.54	1/4	1,740.82	1/4	2,219.24	1/4	2,709.03	1/4	3,200.08	1/4	3,682.31
1/2	7.78	1/2	194.58	1/2	497.37	1/2	870.98	1/2	1,293.75	1/2	1,750.61	1/2	2,229.37	1/2	2,719.29	1/2	3,210.25	1/2	3,692.19
3/4	9.58	3/4	199.92	3/4	504.51	3/4	879.34	3/4	1,302.96	3/4	1,760.39	3/4	2,239.49	3/4	2,729.54	3/4	3,220.42	3/4	3,702.06
2	11.38	2	205.27	2	511.65	2	887.69	2	1,312.17	2	1,770.18	2	2,249.62	2	2,739.79	2	3,230.59	2	3,711.94
1/4	13.72	1/4	210.80	1/4	518.91	1/4	896.13	1/4	1,321.44	1/4	1,780.00	1/4	2,259.76	1/4	2,750.04	1/4	3,240.74	1/4	3,721.78
1/2	16.05	1/2	216.33	1/2	526.17	1/2	904.57	1/2	1,330.70	1/2	1,789.82	1/2	2,269.91	1/2	2,760.30	1/2	3,250.89	1/2	3,731.62
3/4	18.38	3/4	221.86	3/4	533.43	3/4	913.01	3/4	1,339.97	3/4	1,799.64	3/4	2,280.05	3/4	2,770.55	3/4	3,261.05	3/4	3,741.46
3	20.72	3	227.39	3	540.69	3	921.45	3	1,349.24	3	1,809.47	3	2,290.20	3	2,780.80	3	3,271.20	3	3,751.30
1/4	23.48	1/4	233.10	1/4	548.06	1/4	929.97	1/4	1,358.56	1/4	1,819.32	1/4	2,300.36	1/4	2,791.06	1/4	3,281.34	1/4	3,761.10
1/2	26.24	1/2	238.80	1/2	555.44	1/2	938.49	1/2	1,367.88	1/2	1,829.18	1/2	2,310.52	1/2	2,801.31	1/2	3,291.47	1/2	3,770.91
3/4	29.00	3/4	244.51	3/4	562.81	3/4	947.01	3/4	1,377.20	3/4	1,839.04	3/4	2,320.68	3/4	2,811.56	3/4	3,301.61	3/4	3,780.71
4	31.77	4	250.22	4	570.19	4	955.53	4	1,386.53	4	1,848.90	4	2,330.85	4	2,821.82	4	3,311.74	4	3,790.51
1/4	34.90	1/4	256.09	1/4	577.67	1/4	964.13	1/4	1,395.90	1/4	1,858.79	1/4	2,341.02	1/4	2,832.07	1/4	3,321.86	1/4	3,800.28
1/2	38.03	1/2	261.96	1/2	585.16	1/2	972.72	1/2	1,405.28	1/2	1,868.68	1/2	2,351.20	1/2	2,842.32	1/2	3,331.98	1/2	3,810.05
3/4	41.16	3/4	267.84	3/4	592.64	3/4	981.32	3/4	1,414.66	3/4	1,878.57	3/4	2,361.38	3/4	2,852.57	3/4	3,342.09	3/4	3,819.81
5	44.29	5	273.71	5	600.13	5	989.92	5	1,424.03	5	1,888.46	5	2,371.56	5	2,862.82	5	3,352.21	5	3,829.58
1/4	47.75	1/4	279.75	1/4	607.72	1/4	998.60	1/4	1,433.46	1/4	1,898.39	1/4	2,381.75	1/4	2,873.07	1/4	3,362.31	1/4	3,839.30
1/2	51.21	1/2	285.78	1/2	615.32	1/2	1,007.27	1/2	1,442.89	1/2	1,908.31	1/2	2,391.94	1/2	2,883.32	1/2	3,372.40	1/2	3,849.03
3/4	54.66	3/4	291.82	3/4	622.91	3/4	1,015.95	3/4	1,452.32	3/4	1,918.23	3/4	2,402.13	3/4	2,893.56	3/4	3,382.50	3/4	3,858.76
6	58.12	6	297.85	6	630.51	6	1,024.62	6	1,461.75	6	1,928.16	6	2,412.32	6	2,903.81	6	3,392.59	6	3,868.48
1/4	61.88	1/4	304.04	1/4	638.21	1/4	1,033.37	1/4	1,471.23	1/4	1,938.11	1/4	2,422.53	1/4	2,914.06	1/4	3,402.67	1/4	3,878.17
1/2	65.63	1/2	310.23	1/2	645.91	1/2	1,042.12	1/2	1,480.71	1/2	1,948.07	1/2	2,432.73	1/2	2,924.30	1/2	3,412.74	1/2	3,887.86
3/4	69.39	3/4	316.42	3/4	653.60	3/4	1,050.87	3/4	1,490.19	3/4	1,958.02	3/4	2,442.94	3/4	2,934.54	3/4	3,422.81	3/4	3,897.54
7	73.14	7	322.61	7	661.30	7	1,059.62	7	1,499.67	7	1,967.97	7	2,453.14	7	2,944.79	7	3,432.89	7	3,907.23
1/4	77.17	1/4	328.96	1/4	669.11	1/4	1,068.44	1/4	1,509.20	1/4	1,977.96	1/4	2,463.36	1/4	2,955.02	1/4	3,442.94	1/4	3,916.87
1/2	81.20	1/2	335.30	1/2	676.91	1/2	1,077.26	1/2	1,518.73	1/2	1,987.94	1/2	2,473.57	1/2	2,965.26	1/2	3,452.99	1/2	3,926.51
3/4	85.23	3/4	341.64	3/4	684.71	3/4	1,086.08	3/4	1,528.25	3/4	1,997.93	3/4	2,483.79	3/4	2,975.50	3/4	3,463.04	3/4	3,936.16
8	89.26	8	347.98	8	692.51	8	1,094.90	8	1,537.78	8	2,007.91	8	2,494.00	8	2,985.73	8	3,473.09	8	3,945.80
1/4	93.54	1/4	354.46	1/4	700.41	1/4	1,103.79	1/4	1,547.36	1/4	2,017.92	1/4	2,504.23	1/4	2,995.96	1/4	3,483.11	1/4	3,955.40
1/2	97.82	1/2	360.95	1/2	708.31	1/2	1,112.68	1/2	1,556.93	1/2	2,027.93	1/2	2,514.45	1/2	3,006.19	1/2	3,493.13	1/2	3,964.99
3/4	102.11	3/4	367.43	3/4	716.21	3/4	1,121.57	3/4	1,566.51	3/4	2,037.94	3/4	2,524.68	3/4	3,016.42	3/4	3,503.16	3/4	3,974.59
9	106.39	9	373.92	9	724.11	9	1,130.46	9	1,576.08	9	2,047.95	9	2,534.90	9	3,026.65	9	3,513.18	9	3,984.19
1/4	110.91	1/4	380.54	1/4	732.11	1/4	1,139.42	1/4	1,585.70	1/4	2,057.99	1/4	2,545.14	1/4	3,036.87	1/4	3,523.18	1/4	3,993.74
1/2	115.43	1/2	387.17	1/2	740.11	1/2	1,148.38	1/2	1,595.33	1/2	2,068.03	1/2	2,555.37	1/2	3,047.09	1/2	3,533.18	1/2	4,003.30
3/4	119.95	3/4	393.79	3/4	748.10	3/4	1,157.33	3/4	1,604.95	3/4	2,078.07	3/4	2,565.60	3/4	3,057.31	3/4	3,543.18	3/4	4,012.85
10	124.47	10	400.42	10	756.10	10	1,166.29	10	1,614.57	10	2,088.10	10	2,575.84	10	3,067.53	10	3,553.17	10	4,022.40
1/4	129.21	1/4	407.18	1/4	764.19	1/4	1,175.32	1/4	1,624.23	1/4	2,098.16	1/4	2,586.08	1/4	3,077.75	1/4	3,563.14	1/4	4,031.90
1/2	133.95	1/2	413.94	1/2	772.28	1/2	1,184.34	1/2	1,633.90	1/2	2,108.23	1/2	2,596.32	1/2	3,087.96	1/2	3,573.11	1/2	4,041.41
3/4	138.70	3/4	420.70	3/4	780.37	3/4	1,193.36	3/4	1,643.56	3/4	2,118.29	3/4	2,606.56	3/4	3,098.17	3/4	3,583.08	3/4	4,050.91
11	143.44	11	427.46	11	788.46	11	1,202.39	11	1,653.22	11	2,128.35	11	2,616.80	11	3,108.38	11	3,593.05	11	4,060.42
1/4	148.39	1/4	434.35	1/4	796.65	1/4	1,211.48	1/4	1,662.93	1/4	2,138.43	1/4	2,627.04	1/4	3,118.57	1/4	3,602.99	1/4	4,069.87
1/2	153.35	1/2	441.24	1/2	804.83	1/2	1,220.56	1/2	1,672.64	1/2	2,148.52	1/2	2,637.29	1/2	3,128.77	1/2	3,612.93	1/2	4,079.33
3/4	158.30	3/4	448.13	3/4	813.01	3/4	1,229.65	3/4	1,682.34	3/4	2,158.60	3/4	2,647.54	3/4	3,138.97	3/4	3,622.87	3/4	4,088.78

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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Pearland, Texas 77588  
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# BARGE "KIRBY 16813"

## CENTER HORIZONTAL INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	4,098.23	0	4,533.87	0	4,925.84	0	5,255.40	0	5,489.10	0		0		0		0		0	
1/4	4,107.64	1/4	4,542.50	1/4	4,933.38	1/4	5,261.35	1/4	5,492.40	1/4		1/4		1/4		1/4		1/4	
1/2	4,117.04	1/2	4,551.14	1/2	4,940.92	1/2	5,267.31	1/2	5,495.70	1/2		1/2		1/2		1/2		1/2	
3/4	4,126.44	3/4	4,559.78	3/4	4,948.46	3/4	5,273.27	3/4	5,498.99	3/4		3/4		3/4		3/4		3/4	
1	4,135.85	1	4,568.41	1	4,956.00	1	5,279.22	1	5,502.29	1		1		1		1		1	
1/4	4,145.20	1/4	4,576.97	1/4	4,963.43	1/4	5,285.01	1/4	5,505.25	1/4		1/4		1/4		1/4		1/4	
1/2	4,154.55	1/2	4,585.53	1/2	4,970.86	1/2	5,290.80	1/2	5,508.20	1/2		1/2		1/2		1/2		1/2	
3/4	4,163.90	3/4	4,594.09	3/4	4,978.29	3/4	5,296.59	3/4	5,511.15	3/4		3/4		3/4		3/4		3/4	
2	4,173.25	2	4,602.65	2	4,985.72	2	5,302.38	2	5,514.10	2		2		2		2		2	
1/4	4,182.54	1/4	4,611.13	1/4	4,993.04	1/4	5,308.00	1/4	5,516.66	1/4		1/4		1/4		1/4		1/4	
1/2	4,191.84	1/2	4,619.61	1/2	5,000.35	1/2	5,313.62	1/2	5,519.22	1/2		1/2		1/2		1/2		1/2	
3/4	4,201.13	3/4	4,628.09	3/4	5,007.67	3/4	5,319.24	3/4	5,521.78	3/4		3/4		3/4		3/4		3/4	
3	4,210.43	3	4,636.57	3	5,014.99	3	5,324.86	3	5,524.33	3		3		3		3		3	
1/4	4,219.66	1/4	4,644.97	1/4	5,022.19	1/4	5,330.22	1/4	5,526.42	1/4		1/4		1/4		1/4		1/4	
1/2	4,228.90	1/2	4,653.37	1/2	5,029.39	1/2	5,335.58	1/2	5,528.50	1/2		1/2		1/2		1/2		1/2	
3/4	4,238.14	3/4	4,661.76	3/4	5,036.59	3/4	5,340.94	3/4	5,530.59	3/4		3/4		3/4		3/4		3/4	
4	4,247.38	4	4,670.16	4	5,043.79	4	5,346.30	4	5,532.67	4		4		4		4		4	
1/4	4,256.56	1/4	4,678.47	1/4	5,050.87	1/4	5,351.47	1/4	5,533.02	1/4		1/4		1/4		1/4		1/4	
1/2	4,265.74	1/2	4,686.79	1/2	5,057.94	1/2	5,356.65	1/2	5,533.37	1/2		1/2		1/2		1/2		1/2	
3/4	4,274.92	3/4	4,695.10	3/4	5,065.02	3/4	5,361.82	3/4	5,533.72	3/4		3/4		3/4		3/4		3/4	
5	4,284.10	5	4,703.41	5	5,072.10	5	5,366.99	5	5,534.06	5		5		5		5		5	
1/4	4,293.21	1/4	4,711.64	1/4	5,079.06	1/4	5,371.97	1/4	5,534.24	1/4		1/4		1/4		1/4		1/4	
1/2	4,302.33	1/2	4,719.87	1/2	5,086.01	1/2	5,376.95	1/2	5,534.41	1/2		1/2		1/2		1/2		1/2	
3/4	4,311.45	3/4	4,728.09	3/4	5,092.97	3/4	5,381.93	3/4		3/4		3/4		3/4		3/4		3/4	
6	4,320.57	6	4,736.32	6	5,099.92	6	5,386.90	6		6		6		6		6		6	
1/4	4,329.63	1/4	4,744.45	1/4	5,106.75	1/4	5,391.75	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,338.68	1/2	4,752.59	1/2	5,113.57	1/2	5,396.60	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,347.74	3/4	4,760.73	3/4	5,120.40	3/4	5,401.45	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,356.79	7	4,768.86	7	5,127.23	7	5,406.30	7		7		7		7		7		7	
1/4	4,365.78	1/4	4,776.91	1/4	5,133.92	1/4	5,410.94	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,374.78	1/2	4,784.95	1/2	5,140.61	1/2	5,415.57	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,383.77	3/4	4,793.00	3/4	5,147.31	3/4	5,420.20	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,392.76	8	4,801.04	8	5,154.00	8	5,424.84	8		8		8		8		8		8	
1/4	4,401.68	1/4	4,808.99	1/4	5,160.56	1/4	5,429.24	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,410.61	1/2	4,816.94	1/2	5,167.11	1/2	5,433.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,419.53	3/4	4,824.89	3/4	5,173.67	3/4	5,438.05	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,428.46	9	4,832.84	9	5,180.22	9	5,442.45	9		9		9		9		9		9	
1/4	4,437.31	1/4	4,840.69	1/4	5,186.64	1/4	5,446.61	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,446.17	1/2	4,848.54	1/2	5,193.05	1/2	5,450.76	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,455.02	3/4	4,856.39	3/4	5,199.46	3/4	5,454.92	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,463.88	10	4,864.24	10	5,205.88	10	5,459.08	10		10		10		10		10		10	
1/4	4,472.66	1/4	4,872.00	1/4	5,212.15	1/4	5,462.97	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,481.45	1/2	4,879.75	1/2	5,218.41	1/2	5,466.87	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,490.23	3/4	4,887.50	3/4	5,224.68	3/4	5,470.76	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,499.02	11	4,895.25	11	5,230.94	11	5,474.66	11		11		11		11		11		11	
1/4	4,507.73	1/4	4,902.89	1/4	5,237.06	1/4	5,478.27	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,516.44	1/2	4,910.54	1/2	5,243.17	1/2	5,481.88	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,525.16	3/4	4,918.19	3/4	5,249.29	3/4	5,485.49	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/18/2009 CL - SW  
CALCULATED: 08/18/2009 CL  
PRINTED: 08/18/2009 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2009

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



# BARGE "KIRBY 16813"

## STBD HORIZONTAL INNAGE TABLE

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	0.24	0	163.21	0	454.85	0	820.83	0	1,238.14	0	1,691.17	0	2,167.51	0	2,656.28	0	3,147.35	0	3,630.67
1/4	1.23	1/4	168.36	1/4	461.87	1/4	829.09	1/4	1,247.28	1/4	1,700.91	1/4	2,177.61	1/4	2,666.53	1/4	3,157.53	1/4	3,640.58
1/2	2.21	1/2	173.52	1/2	468.88	1/2	837.36	1/2	1,256.42	1/2	1,710.65	1/2	2,187.71	1/2	2,676.77	1/2	3,167.70	1/2	3,650.48
3/4	3.19	3/4	178.67	3/4	475.89	3/4	845.62	3/4	1,265.57	3/4	1,720.39	3/4	2,197.81	3/4	2,687.01	3/4	3,177.88	3/4	3,660.38
1	4.18	1	183.83	1	482.91	1	853.89	1	1,274.71	1	1,730.13	1	2,207.91	1	2,697.25	1	3,188.06	1	3,670.28
1/4	5.98	1/4	189.17	1/4	490.04	1/4	862.24	1/4	1,283.91	1/4	1,739.91	1/4	2,218.03	1/4	2,707.50	1/4	3,198.22	1/4	3,680.15
1/2	7.78	1/2	194.52	1/2	497.18	1/2	870.59	1/2	1,293.12	1/2	1,749.69	1/2	2,228.15	1/2	2,717.75	1/2	3,208.39	1/2	3,690.02
3/4	9.58	3/4	199.86	3/4	504.32	3/4	878.94	3/4	1,302.32	3/4	1,759.47	3/4	2,238.27	3/4	2,727.99	3/4	3,218.55	3/4	3,699.89
2	11.38	2	205.21	2	511.45	2	887.29	2	1,311.52	2	1,769.25	2	2,248.38	2	2,738.24	2	3,228.71	2	3,709.75
1/4	13.71	1/4	210.74	1/4	518.71	1/4	895.73	1/4	1,320.79	1/4	1,779.07	1/4	2,258.52	1/4	2,748.48	1/4	3,238.86	1/4	3,719.59
1/2	16.05	1/2	216.26	1/2	525.96	1/2	904.16	1/2	1,330.05	1/2	1,788.88	1/2	2,268.66	1/2	2,758.73	1/2	3,249.01	1/2	3,729.42
3/4	18.38	3/4	221.79	3/4	533.22	3/4	912.60	3/4	1,339.31	3/4	1,798.70	3/4	2,278.80	3/4	2,768.98	3/4	3,259.15	3/4	3,739.26
3	20.71	3	227.32	3	540.47	3	921.03	3	1,348.57	3	1,808.51	3	2,288.94	3	2,779.22	3	3,269.30	3	3,749.09
1/4	23.47	1/4	233.02	1/4	547.85	1/4	929.55	1/4	1,357.89	1/4	1,818.36	1/4	2,299.09	1/4	2,789.47	1/4	3,279.43	1/4	3,758.89
1/2	26.24	1/2	238.73	1/2	555.22	1/2	938.06	1/2	1,367.20	1/2	1,828.22	1/2	2,309.25	1/2	2,799.72	1/2	3,289.56	1/2	3,768.69
3/4	29.00	3/4	244.43	3/4	562.59	3/4	946.58	3/4	1,376.52	3/4	1,838.07	3/4	2,319.40	3/4	2,809.96	3/4	3,299.69	3/4	3,778.48
4	31.76	4	250.13	4	569.96	4	955.09	4	1,385.84	4	1,847.92	4	2,329.56	4	2,820.21	4	3,309.82	4	3,788.28
1/4	34.89	1/4	256.00	1/4	577.44	1/4	963.68	1/4	1,395.21	1/4	1,857.80	1/4	2,339.73	1/4	2,830.45	1/4	3,319.93	1/4	3,798.04
1/2	38.02	1/2	261.88	1/2	584.92	1/2	972.28	1/2	1,404.58	1/2	1,867.69	1/2	2,349.90	1/2	2,840.70	1/2	3,330.04	1/2	3,807.80
3/4	41.15	3/4	267.75	3/4	592.40	3/4	980.87	3/4	1,413.95	3/4	1,877.57	3/4	2,360.07	3/4	2,850.94	3/4	3,340.15	3/4	3,817.56
5	44.28	5	273.62	5	599.88	5	989.47	5	1,423.32	5	1,887.46	5	2,370.24	5	2,861.19	5	3,350.26	5	3,827.32
1/4	47.74	1/4	279.65	1/4	607.47	1/4	998.14	1/4	1,432.74	1/4	1,897.38	1/4	2,380.43	1/4	2,871.43	1/4	3,360.35	1/4	3,837.04
1/2	51.20	1/2	285.68	1/2	615.07	1/2	1,006.81	1/2	1,442.17	1/2	1,907.29	1/2	2,390.61	1/2	2,881.67	1/2	3,370.44	1/2	3,846.76
3/4	54.65	3/4	291.72	3/4	622.66	3/4	1,015.47	3/4	1,451.59	3/4	1,917.21	3/4	2,400.80	3/4	2,891.91	3/4	3,380.52	3/4	3,856.48
6	58.11	6	297.75	6	630.25	6	1,024.14	6	1,461.01	6	1,927.13	6	2,410.98	6	2,902.15	6	3,390.61	6	3,866.20
1/4	61.86	1/4	303.94	1/4	637.94	1/4	1,032.89	1/4	1,470.49	1/4	1,937.08	1/4	2,421.18	1/4	2,912.39	1/4	3,400.68	1/4	3,875.88
1/2	65.62	1/2	310.13	1/2	645.64	1/2	1,041.63	1/2	1,479.96	1/2	1,947.03	1/2	2,431.38	1/2	2,922.62	1/2	3,410.75	1/2	3,885.56
3/4	69.37	3/4	316.31	3/4	653.33	3/4	1,050.38	3/4	1,489.44	3/4	1,956.97	3/4	2,441.58	3/4	2,932.86	3/4	3,420.82	3/4	3,895.24
7	73.13	7	322.50	7	661.03	7	1,059.12	7	1,498.91	7	1,966.92	7	2,451.77	7	2,943.10	7	3,430.88	7	3,904.92
1/4	77.15	1/4	328.84	1/4	668.82	1/4	1,067.94	1/4	1,508.43	1/4	1,976.90	1/4	2,461.98	1/4	2,953.33	1/4	3,440.93	1/4	3,914.56
1/2	81.18	1/2	335.18	1/2	676.62	1/2	1,076.75	1/2	1,517.95	1/2	1,986.88	1/2	2,472.19	1/2	2,963.56	1/2	3,450.97	1/2	3,924.19
3/4	85.21	3/4	341.52	3/4	684.42	3/4	1,085.57	3/4	1,527.48	3/4	1,996.85	3/4	2,482.40	3/4	2,973.79	3/4	3,461.01	3/4	3,933.83
8	89.24	8	347.85	8	692.22	8	1,094.38	8	1,537.00	8	2,006.83	8	2,492.61	8	2,984.02	8	3,471.05	8	3,943.47
1/4	93.52	1/4	354.34	1/4	700.11	1/4	1,103.27	1/4	1,546.57	1/4	2,016.84	1/4	2,502.83	1/4	2,994.24	1/4	3,481.07	1/4	3,953.06
1/2	97.80	1/2	360.82	1/2	708.01	1/2	1,112.15	1/2	1,556.14	1/2	2,026.84	1/2	2,513.05	1/2	3,004.47	1/2	3,491.09	1/2	3,962.65
3/4	102.08	3/4	367.30	3/4	715.91	3/4	1,121.04	3/4	1,565.71	3/4	2,036.85	3/4	2,523.26	3/4	3,014.69	3/4	3,501.11	3/4	3,972.25
9	106.36	9	373.78	9	723.80	9	1,129.92	9	1,575.28	9	2,046.85	9	2,533.48	9	3,024.91	9	3,511.13	9	3,981.84
1/4	110.88	1/4	380.41	1/4	731.80	1/4	1,138.88	1/4	1,584.89	1/4	2,056.88	1/4	2,543.71	1/4	3,035.13	1/4	3,521.12	1/4	3,991.38
1/2	115.40	1/2	387.03	1/2	739.79	1/2	1,147.83	1/2	1,594.51	1/2	2,066.91	1/2	2,553.94	1/2	3,045.34	1/2	3,531.11	1/2	4,000.93
3/4	119.91	3/4	393.65	3/4	747.78	3/4	1,156.78	3/4	1,604.12	3/4	2,076.94	3/4	2,564.16	3/4	3,055.55	3/4	3,541.10	3/4	4,010.48
10	124.43	10	400.27	10	755.77	10	1,165.73	10	1,613.74	10	2,086.97	10	2,574.39	10	3,065.77	10	3,551.09	10	4,020.02
1/4	129.17	1/4	407.03	1/4	763.86	1/4	1,174.75	1/4	1,623.40	1/4	2,097.03	1/4	2,584.62	1/4	3,075.97	1/4	3,561.05	1/4	4,029.52
1/2	133.92	1/2	413.79	1/2	771.95	1/2	1,183.77	1/2	1,633.05	1/2	2,107.08	1/2	2,594.86	1/2	3,086.17	1/2	3,571.02	1/2	4,039.02
3/4	138.66	3/4	420.54	3/4	780.03	3/4	1,192.79	3/4	1,642.71	3/4	2,117.14	3/4	2,605.09	3/4	3,096.38	3/4	3,580.98	3/4	4,048.52
11	143.40	11	427.30	11	788.12	11	1,201.81	11	1,652.37	11	2,127.19	11	2,615.33	11	3,106.58	11	3,590.94	11	4,058.02
1/4	148.35	1/4	434.19	1/4	796.30	1/4	1,210.89	1/4	1,662.07	1/4	2,137.27	1/4	2,625.56	1/4	3,116.77	1/4	3,600.88	1/4	4,067.46
1/2	153.30	1/2	441.08	1/2	804.47	1/2	1,219.97	1/2	1,671.77	1/2	2,147.35	1/2	2,635.80	1/2	3,126.96	1/2	3,610.81	1/2	4,076.91
3/4	158.26	3/4	447.96	3/4	812.65	3/4	1,229.05	3/4	1,681.47	3/4	2,157.43	3/4	2,646.04	3/4	3,137.16	3/4	3,620.74	3/4	4,086.36

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
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# BARGE "KIRBY 16813"

## STBD HORIZONTAL INNAGE TABLE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

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	4,095.81	0	4,531.19	0	4,922.94	0	5,252.35	0	5,485.96	0		0		0		0		0	
1/4	4,105.21	1/4	4,539.82	1/4	4,930.48	1/4	5,258.30	1/4	5,489.26	1/4		1/4		1/4		1/4		1/4	
1/2	4,114.61	1/2	4,548.45	1/2	4,938.01	1/2	5,264.25	1/2	5,492.56	1/2		1/2		1/2		1/2		1/2	
3/4	4,124.00	3/4	4,557.08	3/4	4,945.55	3/4	5,270.21	3/4	5,495.86	3/4		3/4		3/4		3/4		3/4	
1	4,133.40	1	4,565.71	1	4,953.09	1	5,276.16	1	5,499.15	1		1		1		1		1	
1/4	4,142.75	1/4	4,574.27	1/4	4,960.51	1/4	5,281.95	1/4	5,502.11	1/4		1/4		1/4		1/4		1/4	
1/2	4,152.09	1/2	4,582.82	1/2	4,967.94	1/2	5,287.74	1/2	5,505.06	1/2		1/2		1/2		1/2		1/2	
3/4	4,161.43	3/4	4,591.38	3/4	4,975.37	3/4	5,293.52	3/4	5,508.01	3/4		3/4		3/4		3/4		3/4	
2	4,170.78	2	4,599.93	2	4,982.79	2	5,299.31	2	5,510.96	2		2		2		2		2	
1/4	4,180.07	1/4	4,608.41	1/4	4,990.11	1/4	5,304.93	1/4	5,513.52	1/4		1/4		1/4		1/4		1/4	
1/2	4,189.36	1/2	4,616.88	1/2	4,997.42	1/2	5,310.55	1/2	5,516.08	1/2		1/2		1/2		1/2		1/2	
3/4	4,198.65	3/4	4,625.36	3/4	5,004.73	3/4	5,316.16	3/4	5,518.63	3/4		3/4		3/4		3/4		3/4	
3	4,207.93	3	4,633.83	3	5,012.05	3	5,321.78	3	5,521.19	3		3		3		3		3	
1/4	4,217.17	1/4	4,642.22	1/4	5,019.24	1/4	5,327.14	1/4	5,523.27	1/4		1/4		1/4		1/4		1/4	
1/2	4,226.40	1/2	4,650.62	1/2	5,026.44	1/2	5,332.50	1/2	5,525.36	1/2		1/2		1/2		1/2		1/2	
3/4	4,235.63	3/4	4,659.01	3/4	5,033.64	3/4	5,337.85	3/4	5,527.44	3/4		3/4		3/4		3/4		3/4	
4	4,244.86	4	4,667.40	4	5,040.83	4	5,343.21	4	5,529.53	4		4		4		4		4	
1/4	4,254.04	1/4	4,675.71	1/4	5,047.91	1/4	5,348.38	1/4	5,529.87	1/4		1/4		1/4		1/4		1/4	
1/2	4,263.21	1/2	4,684.02	1/2	5,054.98	1/2	5,353.55	1/2	5,530.22	1/2		1/2		1/2		1/2		1/2	
3/4	4,272.39	3/4	4,692.33	3/4	5,062.06	3/4	5,358.73	3/4	5,530.57	3/4		3/4		3/4		3/4		3/4	
5	4,281.56	5	4,700.64	5	5,069.14	5	5,363.90	5	5,530.92	5		5		5		5		5	
1/4	4,290.67	1/4	4,708.86	1/4	5,076.09	1/4	5,368.87	1/4	5,531.09	1/4		1/4		1/4		1/4		1/4	
1/2	4,299.79	1/2	4,717.08	1/2	5,083.04	1/2	5,373.85	1/2	5,531.26	1/2		1/2		1/2		1/2		1/2	
3/4	4,308.90	3/4	4,725.30	3/4	5,089.99	3/4	5,378.82	3/4		3/4		3/4		3/4		3/4		3/4	
6	4,318.01	6	4,733.52	6	5,096.94	6	5,383.80	6		6		6		6		6		6	
1/4	4,327.06	1/4	4,741.66	1/4	5,103.76	1/4	5,388.65	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,336.11	1/2	4,749.79	1/2	5,110.59	1/2	5,393.50	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,345.16	3/4	4,757.92	3/4	5,117.41	3/4	5,398.35	3/4		3/4		3/4		3/4		3/4		3/4	
7	4,354.21	7	4,766.05	7	5,124.23	7	5,403.19	7		7		7		7		7		7	
1/4	4,363.20	1/4	4,774.09	1/4	5,130.92	1/4	5,407.83	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,372.19	1/2	4,782.13	1/2	5,137.61	1/2	5,412.46	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,381.17	3/4	4,790.17	3/4	5,144.30	3/4	5,417.09	3/4		3/4		3/4		3/4		3/4		3/4	
8	4,390.16	8	4,798.21	8	5,150.99	8	5,421.72	8		8		8		8		8		8	
1/4	4,399.08	1/4	4,806.16	1/4	5,157.55	1/4	5,426.12	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,408.00	1/2	4,814.10	1/2	5,164.10	1/2	5,430.52	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,416.92	3/4	4,822.05	3/4	5,170.65	3/4	5,434.92	3/4		3/4		3/4		3/4		3/4		3/4	
9	4,425.83	9	4,829.99	9	5,177.21	9	5,439.33	9		9		9		9		9		9	
1/4	4,434.69	1/4	4,837.84	1/4	5,183.62	1/4	5,443.48	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,443.54	1/2	4,845.69	1/2	5,190.03	1/2	5,447.64	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,452.39	3/4	4,853.53	3/4	5,196.44	3/4	5,451.79	3/4		3/4		3/4		3/4		3/4		3/4	
10	4,461.24	10	4,861.38	10	5,202.85	10	5,455.95	10		10		10		10		10		10	
1/4	4,470.02	1/4	4,869.13	1/4	5,209.11	1/4	5,459.84	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,478.80	1/2	4,876.88	1/2	5,215.38	1/2	5,463.74	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,487.58	3/4	4,884.62	3/4	5,221.64	3/4	5,467.63	3/4		3/4		3/4		3/4		3/4		3/4	
11	4,496.36	11	4,892.37	11	5,227.90	11	5,471.52	11		11		11		11		11		11	
1/4	4,505.06	1/4	4,900.01	1/4	5,234.02	1/4	5,475.13	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4,513.77	1/2	4,907.66	1/2	5,240.13	1/2	5,478.74	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	4,522.48	3/4	4,915.30	3/4	5,246.24	3/4	5,482.35	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/18/2009 CL - SW  
CALCULATED: 08/18/2009 CL  
PRINTED: 08/18/2009 CL

CANCELS AND SUPERCEDES  
ALL PRIOR TO 08/2009

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