



BARGE "KIRBY 16843"

PORT HORIZONTAL INNAGE TABLE BERGAN GAUGE

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	0.12	0	188.24	0	525.65	0	951.16	0	1,439.16	0	1,973.22	0	2,540.73	0	3,131.05	0	3,734.70	0	4,342.72
1/4	1.27	1/4	194.15	1/4	533.78	1/4	960.79	1/4	1,449.89	1/4	1,984.77	1/4	2,552.84	1/4	3,143.53	1/4	3,747.35	1/4	4,355.37
1/2	2.41	1/2	200.07	1/2	541.92	1/2	970.43	1/2	1,460.63	1/2	1,996.31	1/2	2,564.95	1/2	3,156.01	1/2	3,760.01	1/2	4,368.02
3/4	3.56	3/4	205.98	3/4	550.06	3/4	980.06	3/4	1,471.36	3/4	2,007.85	3/4	2,577.07	3/4	3,168.49	3/4	3,772.66	3/4	4,380.67
1	4.70	1	211.90	1	558.20	1	989.70	1	1,482.10	1	2,019.39	1	2,589.18	1	3,180.97	1	3,785.32	1	4,393.31
1/4	6.79	1/4	218.04	1/4	566.48	1/4	999.44	1/4	1,492.91	1/4	2,030.99	1/4	2,601.34	1/4	3,193.48	1/4	3,797.98	1/4	4,405.95
1/2	8.89	1/2	224.17	1/2	574.77	1/2	1,009.18	1/2	1,503.72	1/2	2,042.59	1/2	2,613.49	1/2	3,205.98	1/2	3,810.64	1/2	4,418.59
3/4	10.98	3/4	230.31	3/4	583.05	3/4	1,018.92	3/4	1,514.54	3/4	2,054.19	3/4	2,625.64	3/4	3,218.48	3/4	3,823.31	3/4	4,431.23
2	13.07	2	236.45	2	591.33	2	1,028.66	2	1,525.35	2	2,065.79	2	2,637.80	2	3,230.98	2	3,835.97	2	4,443.87
1/4	15.78	1/4	242.82	1/4	599.75	1/4	1,038.51	1/4	1,536.23	1/4	2,077.44	1/4	2,649.98	1/4	3,243.50	1/4	3,848.63	1/4	4,456.50
1/2	18.48	1/2	249.20	1/2	608.18	1/2	1,048.35	1/2	1,547.12	1/2	2,089.10	1/2	2,662.17	1/2	3,256.03	1/2	3,861.30	1/2	4,469.13
3/4	21.19	3/4	255.57	3/4	616.60	3/4	1,058.19	3/4	1,558.01	3/4	2,100.75	3/4	2,674.36	3/4	3,268.55	3/4	3,873.97	3/4	4,481.76
3	23.90	3	261.95	3	625.03	3	1,068.03	3	1,568.90	3	2,112.40	3	2,686.55	3	3,281.07	3	3,886.64	3	4,494.39
1/4	27.10	1/4	268.56	1/4	633.59	1/4	1,077.98	1/4	1,579.86	1/4	2,124.11	1/4	2,698.78	1/4	3,293.61	1/4	3,899.31	1/4	4,507.00
1/2	30.31	1/2	275.16	1/2	642.15	1/2	1,087.92	1/2	1,590.82	1/2	2,135.82	1/2	2,711.00	1/2	3,306.15	1/2	3,911.98	1/2	4,519.62
3/4	33.51	3/4	281.76	3/4	650.71	3/4	1,097.86	3/4	1,601.78	3/4	2,147.52	3/4	2,723.23	3/4	3,318.69	3/4	3,924.65	3/4	4,532.24
4	36.71	4	288.37	4	659.27	4	1,107.80	4	1,612.74	4	2,159.23	4	2,735.45	4	3,331.24	4	3,937.32	4	4,544.86
1/4	40.34	1/4	295.17	1/4	667.96	1/4	1,117.84	1/4	1,623.77	1/4	2,170.99	1/4	2,747.71	1/4	3,343.80	1/4	3,949.99	1/4	4,557.46
1/2	43.97	1/2	301.97	1/2	676.65	1/2	1,127.88	1/2	1,634.81	1/2	2,182.75	1/2	2,759.97	1/2	3,356.35	1/2	3,962.66	1/2	4,570.07
3/4	47.60	3/4	308.77	3/4	685.34	3/4	1,137.92	3/4	1,645.84	3/4	2,194.50	3/4	2,772.23	3/4	3,368.91	3/4	3,975.34	3/4	4,582.67
5	51.22	5	315.57	5	694.04	5	1,147.96	5	1,656.87	5	2,206.26	5	2,784.48	5	3,381.47	5	3,988.01	5	4,595.28
1/4	55.23	1/4	322.56	1/4	702.86	1/4	1,158.09	1/4	1,667.98	1/4	2,218.07	1/4	2,796.78	1/4	3,394.05	1/4	4,000.69	1/4	4,607.87
1/2	59.24	1/2	329.55	1/2	711.68	1/2	1,168.23	1/2	1,679.08	1/2	2,229.88	1/2	2,809.07	1/2	3,406.63	1/2	4,013.36	1/2	4,620.46
3/4	63.24	3/4	336.54	3/4	720.50	3/4	1,178.36	3/4	1,690.18	3/4	2,241.68	3/4	2,821.36	3/4	3,419.20	3/4	4,026.03	3/4	4,633.05
6	67.25	6	343.52	6	729.32	6	1,188.50	6	1,701.28	6	2,253.49	6	2,833.65	6	3,431.78	6	4,038.71	6	4,645.64
1/4	71.60	1/4	350.69	1/4	738.27	1/4	1,198.72	1/4	1,712.46	1/4	2,265.35	1/4	2,845.97	1/4	3,444.37	1/4	4,051.38	1/4	4,658.22
1/2	75.95	1/2	357.86	1/2	747.22	1/2	1,208.95	1/2	1,723.63	1/2	2,277.20	1/2	2,858.29	1/2	3,456.96	1/2	4,064.06	1/2	4,670.79
3/4	80.30	3/4	365.03	3/4	756.17	3/4	1,219.18	3/4	1,734.80	3/4	2,289.06	3/4	2,870.61	3/4	3,469.55	3/4	4,076.73	3/4	4,683.37
7	84.65	7	372.20	7	765.11	7	1,229.40	7	1,745.97	7	2,300.92	7	2,882.94	7	3,482.14	7	4,089.41	7	4,695.95
1/4	89.31	1/4	379.55	1/4	774.18	1/4	1,239.72	1/4	1,757.20	1/4	2,312.82	1/4	2,895.29	1/4	3,494.75	1/4	4,102.08	1/4	4,708.50
1/2	93.98	1/2	386.89	1/2	783.25	1/2	1,250.03	1/2	1,768.44	1/2	2,324.72	1/2	2,907.64	1/2	3,507.35	1/2	4,114.75	1/2	4,721.06
3/4	98.64	3/4	394.24	3/4	792.32	3/4	1,260.35	3/4	1,779.68	3/4	2,336.62	3/4	2,919.99	3/4	3,519.96	3/4	4,127.43	3/4	4,733.62
8	103.30	8	401.58	8	801.39	8	1,270.67	8	1,790.92	8	2,348.53	8	2,932.34	8	3,532.56	8	4,140.10	8	4,746.18
1/4	108.24	1/4	409.09	1/4	810.58	1/4	1,281.07	1/4	1,802.22	1/4	2,360.47	1/4	2,944.72	1/4	3,545.18	1/4	4,152.77	1/4	4,758.72
1/2	113.17	1/2	416.61	1/2	819.77	1/2	1,291.48	1/2	1,813.52	1/2	2,372.42	1/2	2,957.10	1/2	3,557.80	1/2	4,165.44	1/2	4,771.27
3/4	118.10	3/4	424.12	3/4	828.96	3/4	1,301.88	3/4	1,824.82	3/4	2,384.37	3/4	2,969.48	3/4	3,570.41	3/4	4,178.11	3/4	4,783.81
9	123.03	9	431.64	9	838.15	9	1,312.29	9	1,836.12	9	2,396.32	9	2,981.86	9	3,583.03	9	4,190.78	9	4,796.35
1/4	128.21	1/4	439.31	1/4	847.46	1/4	1,322.78	1/4	1,847.49	1/4	2,408.31	1/4	2,994.27	1/4	3,595.66	1/4	4,203.45	1/4	4,808.87
1/2	133.39	1/2	446.99	1/2	856.76	1/2	1,333.27	1/2	1,858.85	1/2	2,420.30	1/2	3,006.68	1/2	3,608.29	1/2	4,216.12	1/2	4,821.39
3/4	138.57	3/4	454.67	3/4	866.07	3/4	1,343.76	3/4	1,870.22	3/4	2,432.30	3/4	3,019.09	3/4	3,620.92	3/4	4,228.78	3/4	4,833.92
10	143.75	10	462.34	10	875.37	10	1,354.25	10	1,881.58	10	2,444.29	10	3,031.49	10	3,633.55	10	4,241.45	10	4,846.44
1/4	149.19	1/4	470.18	1/4	884.79	1/4	1,364.82	1/4	1,893.01	1/4	2,456.32	1/4	3,043.93	1/4	3,646.19	1/4	4,254.11	1/4	4,858.94
1/2	154.63	1/2	478.02	1/2	894.21	1/2	1,375.39	1/2	1,904.43	1/2	2,468.36	1/2	3,056.36	1/2	3,658.83	1/2	4,266.78	1/2	4,871.44
3/4	160.06	3/4	485.85	3/4	903.63	3/4	1,385.97	3/4	1,915.86	3/4	2,480.39	3/4	3,068.79	3/4	3,671.47	3/4	4,279.44	3/4	4,883.94
11	165.50	11	493.69	11	913.04	11	1,396.54	11	1,927.28	11	2,492.42	11	3,081.22	11	3,684.10	11	4,292.10	11	4,896.45
1/4	171.19	1/4	501.68	1/4	922.57	1/4	1,407.20	1/4	1,938.77	1/4	2,504.50	1/4	3,093.68	1/4	3,696.75	1/4	4,304.76	1/4	4,908.93
1/2	176.87	1/2	509.67	1/2	932.10	1/2	1,417.85	1/2	1,950.25	1/2	2,516.57	1/2	3,106.14	1/2	3,709.40	1/2	4,317.41	1/2	4,921.41
3/4	182.55	3/4	517.66	3/4	941.63	3/4	1,428.51	3/4	1,961.74	3/4	2,528.65	3/4	3,118.60	3/4	3,722.05	3/4	4,330.07	3/4	4,933.89

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
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Pearland, Texas 77588
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BARGE "KIRBY 16843"

PORT HORIZONTAL INNAGE TABLE BERGAN GAUGE

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	4,946.37	0	5,536.69	0	6,104.20	0	6,638.26	0	7,126.26	0	7,551.77	0	7,889.70	0	8,078.54	0		0	
1/4	4,958.82	1/4	5,548.77	1/4	6,115.68	1/4	6,648.91	1/4	7,135.79	1/4	7,559.76	1/4	7,895.44	1/4		1/4		1/4	
1/2	4,971.28	1/2	5,560.84	1/2	6,127.17	1/2	6,659.57	1/2	7,145.32	1/2	7,567.75	1/2	7,901.17	1/2		1/2		1/2	
3/4	4,983.74	3/4	5,572.92	3/4	6,138.65	3/4	6,670.22	3/4	7,154.85	3/4	7,575.74	3/4	7,906.91	3/4		3/4		3/4	
1	4,996.20	1	5,584.99	1	6,150.14	1	6,680.88	1	7,164.38	1	7,583.73	1	7,912.64	1		1		1	
1/4	5,008.63	1/4	5,597.03	1/4	6,161.56	1/4	6,691.45	1/4	7,173.79	1/4	7,591.57	1/4	7,918.13	1/4		1/4		1/4	
1/2	5,021.06	1/2	5,609.06	1/2	6,172.99	1/2	6,702.03	1/2	7,183.21	1/2	7,599.40	1/2	7,923.62	1/2		1/2		1/2	
3/4	5,033.49	3/4	5,621.10	3/4	6,184.41	3/4	6,712.60	3/4	7,192.63	3/4	7,607.24	3/4	7,929.11	3/4		3/4		3/4	
2	5,045.93	2	5,633.13	2	6,195.84	2	6,723.17	2	7,202.05	2	7,615.07	2	7,934.60	2		2		2	
1/4	5,058.33	1/4	5,645.12	1/4	6,207.20	1/4	6,733.66	1/4	7,211.35	1/4	7,622.75	1/4	7,939.83	1/4		1/4		1/4	
1/2	5,070.74	1/2	5,657.12	1/2	6,218.57	1/2	6,744.15	1/2	7,220.66	1/2	7,630.43	1/2	7,945.06	1/2		1/2		1/2	
3/4	5,083.15	3/4	5,669.11	3/4	6,229.93	3/4	6,754.64	3/4	7,229.96	3/4	7,638.11	3/4	7,950.30	3/4		3/4		3/4	
3	5,095.56	3	5,681.10	3	6,241.30	3	6,765.13	3	7,239.27	3	7,645.78	3	7,955.53	3		3		3	
1/4	5,107.94	1/4	5,693.05	1/4	6,252.60	1/4	6,775.54	1/4	7,248.46	1/4	7,653.30	1/4	7,960.48	1/4		1/4		1/4	
1/2	5,120.32	1/2	5,705.00	1/2	6,263.90	1/2	6,785.94	1/2	7,257.65	1/2	7,660.81	1/2	7,965.44	1/2		1/2		1/2	
3/4	5,132.70	3/4	5,716.94	3/4	6,275.20	3/4	6,796.35	3/4	7,266.84	3/4	7,668.33	3/4	7,970.40	3/4		3/4		3/4	
4	5,145.08	4	5,728.89	4	6,286.50	4	6,806.75	4	7,276.03	4	7,675.84	4	7,975.36	4		4		4	
1/4	5,157.43	1/4	5,740.80	1/4	6,297.74	1/4	6,817.07	1/4	7,285.09	1/4	7,683.18	1/4	7,980.02	1/4		1/4		1/4	
1/2	5,169.78	1/2	5,752.70	1/2	6,308.98	1/2	6,827.38	1/2	7,294.16	1/2	7,690.53	1/2	7,984.68	1/2		1/2		1/2	
3/4	5,182.13	3/4	5,764.60	3/4	6,320.21	3/4	6,837.70	3/4	7,303.23	3/4	7,697.87	3/4	7,989.35	3/4		3/4		3/4	
5	5,194.48	5	5,776.50	5	6,331.45	5	6,848.02	5	7,312.30	5	7,705.22	5	7,994.01	5		5		5	
1/4	5,206.80	1/4	5,788.36	1/4	6,342.62	1/4	6,858.24	1/4	7,321.25	1/4	7,712.39	1/4	7,998.36	1/4		1/4		1/4	
1/2	5,219.13	1/2	5,800.22	1/2	6,353.79	1/2	6,868.47	1/2	7,330.20	1/2	7,719.56	1/2	8,002.71	1/2		1/2		1/2	
3/4	5,231.45	3/4	5,812.07	3/4	6,364.96	3/4	6,878.70	3/4	7,339.15	3/4	7,726.73	3/4	8,007.06	3/4		3/4		3/4	
6	5,243.77	6	5,823.93	6	6,376.13	6	6,888.92	6	7,348.10	6	7,733.90	6	8,011.41	6		6		6	
1/4	5,256.06	1/4	5,835.74	1/4	6,387.24	1/4	6,899.06	1/4	7,356.92	1/4	7,740.88	1/4	8,015.42	1/4		1/4		1/4	
1/2	5,268.35	1/2	5,847.54	1/2	6,398.34	1/2	6,909.19	1/2	7,365.74	1/2	7,747.87	1/2	8,019.42	1/2		1/2		1/2	
3/4	5,280.64	3/4	5,859.35	3/4	6,409.44	3/4	6,919.32	3/4	7,374.56	3/4	7,754.86	3/4	8,023.43	3/4		3/4		3/4	
7	5,292.93	7	5,871.16	7	6,420.55	7	6,929.46	7	7,383.38	7	7,761.85	7	8,027.44	7		7		7	
1/4	5,305.19	1/4	5,882.92	1/4	6,431.58	1/4	6,939.50	1/4	7,392.08	1/4	7,768.65	1/4	8,031.06	1/4		1/4		1/4	
1/2	5,317.45	1/2	5,894.67	1/2	6,442.61	1/2	6,949.54	1/2	7,400.77	1/2	7,775.45	1/2	8,034.69	1/2		1/2		1/2	
3/4	5,329.71	3/4	5,906.43	3/4	6,453.64	3/4	6,959.58	3/4	7,409.46	3/4	7,782.25	3/4	8,038.32	3/4		3/4		3/4	
8	5,341.97	8	5,918.19	8	6,464.68	8	6,969.62	8	7,418.15	8	7,789.05	8	8,041.95	8		8		8	
1/4	5,354.19	1/4	5,929.90	1/4	6,475.64	1/4	6,979.56	1/4	7,426.71	1/4	7,795.65	1/4	8,045.15	1/4		1/4		1/4	
1/2	5,366.42	1/2	5,941.60	1/2	6,486.60	1/2	6,989.50	1/2	7,435.27	1/2	7,802.26	1/2	8,048.35	1/2		1/2		1/2	
3/4	5,378.64	3/4	5,953.31	3/4	6,497.56	3/4	6,999.44	3/4	7,443.83	3/4	7,808.86	3/4	8,051.56	3/4		3/4		3/4	
9	5,390.87	9	5,965.02	9	6,508.52	9	7,009.39	9	7,452.39	9	7,815.47	9	8,054.76	9		9		9	
1/4	5,403.06	1/4	5,976.67	1/4	6,519.41	1/4	7,019.23	1/4	7,460.82	1/4	7,821.87	1/4	8,057.47	1/4		1/4		1/4	
1/2	5,415.25	1/2	5,988.32	1/2	6,530.30	1/2	7,029.07	1/2	7,469.24	1/2	7,828.27	1/2	8,060.18	1/2		1/2		1/2	
3/4	5,427.43	3/4	5,999.98	3/4	6,541.18	3/4	7,038.91	3/4	7,477.66	3/4	7,834.67	3/4	8,062.88	3/4		3/4		3/4	
10	5,439.62	10	6,011.63	10	6,552.07	10	7,048.76	10	7,486.09	10	7,841.07	10	8,065.59	10		10		10	
1/4	5,451.78	1/4	6,023.23	1/4	6,562.88	1/4	7,058.50	1/4	7,494.37	1/4	7,847.26	1/4	8,067.68	1/4		1/4		1/4	
1/2	5,463.93	1/2	6,034.83	1/2	6,573.70	1/2	7,068.24	1/2	7,502.65	1/2	7,853.45	1/2	8,069.77	1/2		1/2		1/2	
3/4	5,476.08	3/4	6,046.43	3/4	6,584.51	3/4	7,077.98	3/4	7,510.94	3/4	7,859.64	3/4	8,071.87	3/4		3/4		3/4	
11	5,488.24	11	6,058.03	11	6,595.32	11	7,087.72	11	7,519.22	11	7,865.83	11	8,073.96	11		11		11	
1/4	5,500.35	1/4	6,069.57	1/4	6,606.05	1/4	7,097.35	1/4	7,527.36	1/4	7,871.80	1/4	8,075.10	1/4		1/4		1/4	
1/2	5,512.46	1/2	6,081.11	1/2	6,616.79	1/2	7,106.99	1/2	7,535.50	1/2	7,877.77	1/2	8,076.25	1/2		1/2		1/2	
3/4	5,524.58	3/4	6,092.65	3/4	6,627.52	3/4	7,116.63	3/4	7,543.64	3/4	7,883.73	3/4	8,077.39	3/4		3/4		3/4	

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CANCELS AND SUPERCEDES
ALL PRIOR TO 02/2015

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 16843"

STBD HORIZONTAL INNAGE TABLE BERGAN GAUGE

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	0.12	0	188.21	0	525.59	0	951.07	0	1,439.05	0	1,973.10	0	2,540.59	0	3,130.92	0	3,734.56	0	4,342.58
1/4	1.27	1/4	194.12	1/4	533.73	1/4	960.71	1/4	1,449.79	1/4	1,984.64	1/4	2,552.71	1/4	3,143.40	1/4	3,747.21	1/4	4,355.23
1/2	2.41	1/2	200.04	1/2	541.86	1/2	970.34	1/2	1,460.52	1/2	1,996.19	1/2	2,564.82	1/2	3,155.88	1/2	3,759.87	1/2	4,367.88
3/4	3.56	3/4	205.95	3/4	550.00	3/4	979.98	3/4	1,471.26	3/4	2,007.73	3/4	2,576.94	3/4	3,168.36	3/4	3,772.52	3/4	4,380.52
1	4.70	1	211.87	1	558.14	1	989.61	1	1,481.99	1	2,019.27	1	2,589.05	1	3,180.84	1	3,785.18	1	4,393.17
1/4	6.79	1/4	218.01	1/4	566.42	1/4	999.35	1/4	1,492.80	1/4	2,030.87	1/4	2,601.21	1/4	3,193.34	1/4	3,797.84	1/4	4,405.81
1/2	8.88	1/2	224.14	1/2	574.70	1/2	1,009.09	1/2	1,503.61	1/2	2,042.47	1/2	2,613.36	1/2	3,205.84	1/2	3,810.50	1/2	4,418.45
3/4	10.98	3/4	230.28	3/4	582.99	3/4	1,018.83	3/4	1,514.43	3/4	2,054.07	3/4	2,625.51	3/4	3,218.34	3/4	3,823.17	3/4	4,431.09
2	13.07	2	236.42	2	591.27	2	1,028.57	2	1,525.24	2	2,065.67	2	2,637.66	2	3,230.84	2	3,835.83	2	4,443.73
1/4	15.77	1/4	242.79	1/4	599.69	1/4	1,038.42	1/4	1,536.13	1/4	2,077.32	1/4	2,649.85	1/4	3,243.37	1/4	3,848.49	1/4	4,456.36
1/2	18.48	1/2	249.17	1/2	608.11	1/2	1,048.26	1/2	1,547.01	1/2	2,088.97	1/2	2,662.04	1/2	3,255.89	1/2	3,861.16	1/2	4,468.99
3/4	21.19	3/4	255.54	3/4	616.54	3/4	1,058.10	3/4	1,557.90	3/4	2,100.63	3/4	2,674.23	3/4	3,268.41	3/4	3,873.83	3/4	4,481.62
3	23.90	3	261.92	3	624.96	3	1,067.94	3	1,568.79	3	2,112.28	3	2,686.42	3	3,280.93	3	3,886.50	3	4,494.25
1/4	27.10	1/4	268.52	1/4	633.52	1/4	1,077.88	1/4	1,579.75	1/4	2,123.99	1/4	2,698.64	1/4	3,293.47	1/4	3,899.17	1/4	4,506.86
1/2	30.30	1/2	275.12	1/2	642.08	1/2	1,087.83	1/2	1,590.71	1/2	2,135.69	1/2	2,710.87	1/2	3,306.02	1/2	3,911.84	1/2	4,519.48
3/4	33.50	3/4	281.73	3/4	650.64	3/4	1,097.77	3/4	1,601.67	3/4	2,147.40	3/4	2,723.09	3/4	3,318.56	3/4	3,924.51	3/4	4,532.10
4	36.71	4	288.33	4	659.20	4	1,107.71	4	1,612.63	4	2,159.10	4	2,735.32	4	3,331.10	4	3,937.18	4	4,544.72
1/4	40.33	1/4	295.13	1/4	667.89	1/4	1,117.75	1/4	1,623.66	1/4	2,170.86	1/4	2,747.58	1/4	3,343.66	1/4	3,949.85	1/4	4,557.32
1/2	43.96	1/2	301.93	1/2	676.58	1/2	1,127.79	1/2	1,634.70	1/2	2,182.62	1/2	2,759.83	1/2	3,356.22	1/2	3,962.52	1/2	4,569.93
3/4	47.59	3/4	308.73	3/4	685.27	3/4	1,137.83	3/4	1,645.73	3/4	2,194.38	3/4	2,772.09	3/4	3,368.78	3/4	3,975.20	3/4	4,582.53
5	51.22	5	315.53	5	693.97	5	1,147.87	5	1,656.76	5	2,206.14	5	2,784.35	5	3,381.34	5	3,987.87	5	4,595.14
1/4	55.22	1/4	322.52	1/4	702.79	1/4	1,158.00	1/4	1,667.86	1/4	2,217.94	1/4	2,796.64	1/4	3,393.91	1/4	4,000.55	1/4	4,607.73
1/2	59.23	1/2	329.51	1/2	711.61	1/2	1,168.13	1/2	1,678.97	1/2	2,229.75	1/2	2,808.93	1/2	3,406.49	1/2	4,013.22	1/2	4,620.32
3/4	63.23	3/4	336.49	3/4	720.43	3/4	1,178.27	3/4	1,690.07	3/4	2,241.56	3/4	2,821.22	3/4	3,419.06	3/4	4,025.89	3/4	4,632.91
6	67.24	6	343.48	6	729.25	6	1,188.40	6	1,701.17	6	2,253.37	6	2,833.51	6	3,431.64	6	4,038.57	6	4,645.50
1/4	71.59	1/4	350.65	1/4	738.20	1/4	1,198.63	1/4	1,712.34	1/4	2,265.22	1/4	2,845.84	1/4	3,444.23	1/4	4,051.24	1/4	4,658.07
1/2	75.94	1/2	357.82	1/2	747.15	1/2	1,208.85	1/2	1,723.51	1/2	2,277.08	1/2	2,858.16	1/2	3,456.82	1/2	4,063.92	1/2	4,670.65
3/4	80.28	3/4	364.99	3/4	756.09	3/4	1,219.08	3/4	1,734.68	3/4	2,288.93	3/4	2,870.48	3/4	3,469.41	3/4	4,076.59	3/4	4,683.23
7	84.63	7	372.16	7	765.04	7	1,229.30	7	1,745.85	7	2,300.79	7	2,882.80	7	3,482.00	7	4,089.27	7	4,695.80
1/4	89.30	1/4	379.50	1/4	774.11	1/4	1,239.62	1/4	1,757.09	1/4	2,312.69	1/4	2,895.15	1/4	3,494.61	1/4	4,101.94	1/4	4,708.36
1/2	93.96	1/2	386.84	1/2	783.18	1/2	1,249.94	1/2	1,768.33	1/2	2,324.59	1/2	2,907.51	1/2	3,507.21	1/2	4,114.61	1/2	4,720.92
3/4	98.62	3/4	394.19	3/4	792.25	3/4	1,260.25	3/4	1,779.56	3/4	2,336.50	3/4	2,919.86	3/4	3,519.82	3/4	4,127.29	3/4	4,733.48
8	103.29	8	401.53	8	801.32	8	1,270.57	8	1,790.80	8	2,348.40	8	2,932.21	8	3,532.42	8	4,139.96	8	4,746.04
1/4	108.22	1/4	409.05	1/4	810.51	1/4	1,280.97	1/4	1,802.10	1/4	2,360.35	1/4	2,944.59	1/4	3,545.04	1/4	4,152.63	1/4	4,758.58
1/2	113.15	1/2	416.56	1/2	819.69	1/2	1,291.38	1/2	1,813.40	1/2	2,372.29	1/2	2,956.97	1/2	3,557.66	1/2	4,165.30	1/2	4,771.12
3/4	118.08	3/4	424.07	3/4	828.88	3/4	1,301.78	3/4	1,824.70	3/4	2,384.24	3/4	2,969.35	3/4	3,570.28	3/4	4,177.97	3/4	4,783.66
9	123.01	9	431.59	9	838.07	9	1,312.18	9	1,836.01	9	2,396.19	9	2,981.73	9	3,582.89	9	4,190.64	9	4,796.20
1/4	128.19	1/4	439.26	1/4	847.38	1/4	1,322.67	1/4	1,847.37	1/4	2,408.18	1/4	2,994.14	1/4	3,595.52	1/4	4,203.31	1/4	4,808.73
1/2	133.37	1/2	446.94	1/2	856.68	1/2	1,333.16	1/2	1,858.73	1/2	2,420.17	1/2	3,006.54	1/2	3,608.15	1/2	4,215.98	1/2	4,821.25
3/4	138.55	3/4	454.62	3/4	865.99	3/4	1,343.65	3/4	1,870.10	3/4	2,432.17	3/4	3,018.95	3/4	3,620.78	3/4	4,228.64	3/4	4,833.77
10	143.73	10	462.29	10	875.29	10	1,354.14	10	1,881.46	10	2,444.16	10	3,031.36	10	3,633.41	10	4,241.31	10	4,846.29
1/4	149.17	1/4	470.13	1/4	884.71	1/4	1,364.72	1/4	1,892.89	1/4	2,456.19	1/4	3,043.79	1/4	3,646.05	1/4	4,253.97	1/4	4,858.80
1/2	154.60	1/2	477.96	1/2	894.13	1/2	1,375.29	1/2	1,904.31	1/2	2,468.23	1/2	3,056.22	1/2	3,658.69	1/2	4,266.63	1/2	4,871.30
3/4	160.04	3/4	485.80	3/4	903.54	3/4	1,385.86	3/4	1,915.74	3/4	2,480.26	3/4	3,068.66	3/4	3,671.33	3/4	4,279.30	3/4	4,883.80
11	165.48	11	493.63	11	912.96	11	1,396.44	11	1,927.16	11	2,492.29	11	3,081.09	11	3,683.97	11	4,291.96	11	4,896.30
1/4	171.16	1/4	501.62	1/4	922.49	1/4	1,407.09	1/4	1,938.65	1/4	2,504.37	1/4	3,093.55	1/4	3,696.61	1/4	4,304.61	1/4	4,908.78
1/2	176.84	1/2	509.61	1/2	932.02	1/2	1,417.75	1/2	1,950.13	1/2	2,516.44	1/2	3,106.00	1/2	3,709.26	1/2	4,317.27	1/2	4,921.26
3/4	182.53	3/4	517.60	3/4	941.54	3/4	1,428.40	3/4	1,961.62	3/4	2,528.52	3/4	3,118.46	3/4	3,721.91	3/4	4,329.92	3/4	4,933.74

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 16843"

STBD HORIZONTAL INNAGE TABLE BERGAN GAUGE

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	4,946.22	0	5,536.54	0	6,104.04	0	6,638.08	0	7,126.07	0	7,551.55	0	7,889.45	0	8,078.26	0		0	
1/4	4,958.68	1/4	5,548.62	1/4	6,115.52	1/4	6,648.74	1/4	7,135.59	1/4	7,559.54	1/4	7,895.18	1/4		1/4		1/4	
1/2	4,971.14	1/2	5,560.69	1/2	6,127.01	1/2	6,659.39	1/2	7,145.12	1/2	7,567.53	1/2	7,900.91	1/2		1/2		1/2	
3/4	4,983.59	3/4	5,572.77	3/4	6,138.49	3/4	6,670.05	3/4	7,154.65	3/4	7,575.52	3/4	7,906.65	3/4		3/4		3/4	
1	4,996.05	1	5,584.84	1	6,149.98	1	6,680.70	1	7,164.18	1	7,583.51	1	7,912.38	1		1		1	
1/4	5,008.48	1/4	5,596.88	1/4	6,161.40	1/4	6,691.28	1/4	7,173.59	1/4	7,591.34	1/4	7,917.87	1/4		1/4		1/4	
1/2	5,020.92	1/2	5,608.91	1/2	6,172.83	1/2	6,701.85	1/2	7,183.01	1/2	7,599.18	1/2	7,923.36	1/2		1/2		1/2	
3/4	5,033.35	3/4	5,620.95	3/4	6,184.25	3/4	6,712.42	3/4	7,192.43	3/4	7,607.01	3/4	7,928.85	3/4		3/4		3/4	
2	5,045.78	2	5,632.98	2	6,195.68	2	6,723.00	2	7,201.85	2	7,614.85	2	7,934.34	2		2		2	
1/4	5,058.19	1/4	5,644.97	1/4	6,207.04	1/4	6,733.49	1/4	7,211.15	1/4	7,622.52	1/4	7,939.57	1/4		1/4		1/4	
1/2	5,070.60	1/2	5,656.96	1/2	6,218.40	1/2	6,743.97	1/2	7,220.46	1/2	7,630.20	1/2	7,944.80	1/2		1/2		1/2	
3/4	5,083.00	3/4	5,668.96	3/4	6,229.77	3/4	6,754.46	3/4	7,229.76	3/4	7,637.88	3/4	7,950.03	3/4		3/4		3/4	
3	5,095.41	3	5,680.95	3	6,241.13	3	6,764.95	3	7,239.07	3	7,645.55	3	7,955.26	3		3		3	
1/4	5,107.79	1/4	5,692.90	1/4	6,252.43	1/4	6,775.36	1/4	7,248.25	1/4	7,653.07	1/4	7,960.22	1/4		1/4		1/4	
1/2	5,120.17	1/2	5,704.84	1/2	6,263.74	1/2	6,785.76	1/2	7,257.44	1/2	7,660.58	1/2	7,965.18	1/2		1/2		1/2	
3/4	5,132.55	3/4	5,716.79	3/4	6,275.04	3/4	6,796.17	3/4	7,266.63	3/4	7,668.09	3/4	7,970.13	3/4		3/4		3/4	
4	5,144.93	4	5,728.74	4	6,286.34	4	6,806.57	4	7,275.82	4	7,675.61	4	7,975.09	4		4		4	
1/4	5,157.28	1/4	5,740.64	1/4	6,297.58	1/4	6,816.89	1/4	7,284.89	1/4	7,682.95	1/4	7,979.75	1/4		1/4		1/4	
1/2	5,169.63	1/2	5,752.54	1/2	6,308.81	1/2	6,827.20	1/2	7,293.96	1/2	7,690.29	1/2	7,984.42	1/2		1/2		1/2	
3/4	5,181.98	3/4	5,764.45	3/4	6,320.05	3/4	6,837.52	3/4	7,303.03	3/4	7,697.64	3/4	7,989.08	3/4		3/4		3/4	
5	5,194.34	5	5,776.35	5	6,331.29	5	6,847.83	5	7,312.10	5	7,704.98	5	7,993.75	5		5		5	
1/4	5,206.66	1/4	5,788.21	1/4	6,342.46	1/4	6,858.06	1/4	7,321.04	1/4	7,712.15	1/4	7,998.09	1/4		1/4		1/4	
1/2	5,218.98	1/2	5,800.06	1/2	6,353.63	1/2	6,868.29	1/2	7,329.99	1/2	7,719.32	1/2	8,002.44	1/2		1/2		1/2	
3/4	5,231.30	3/4	5,811.92	3/4	6,364.80	3/4	6,878.51	3/4	7,338.94	3/4	7,726.49	3/4	8,006.79	3/4		3/4		3/4	
6	5,243.62	6	5,823.77	6	6,375.97	6	6,888.74	6	7,347.89	6	7,733.66	6	8,011.14	6		6		6	
1/4	5,255.91	1/4	5,835.58	1/4	6,387.07	1/4	6,898.87	1/4	7,356.71	1/4	7,740.64	1/4	8,015.15	1/4		1/4		1/4	
1/2	5,268.20	1/2	5,847.39	1/2	6,398.17	1/2	6,909.01	1/2	7,365.53	1/2	7,747.63	1/2	8,019.15	1/2		1/2		1/2	
3/4	5,280.50	3/4	5,859.20	3/4	6,409.28	3/4	6,919.14	3/4	7,374.35	3/4	7,754.62	3/4	8,023.16	3/4		3/4		3/4	
7	5,292.79	7	5,871.00	7	6,420.38	7	6,929.27	7	7,383.17	7	7,761.61	7	8,027.16	7		7		7	
1/4	5,305.04	1/4	5,882.76	1/4	6,431.41	1/4	6,939.31	1/4	7,391.86	1/4	7,768.41	1/4	8,030.79	1/4		1/4		1/4	
1/2	5,317.30	1/2	5,894.52	1/2	6,442.44	1/2	6,949.35	1/2	7,400.56	1/2	7,775.21	1/2	8,034.42	1/2		1/2		1/2	
3/4	5,329.56	3/4	5,906.28	3/4	6,453.48	3/4	6,959.39	3/4	7,409.25	3/4	7,782.01	3/4	8,038.05	3/4		3/4		3/4	
8	5,341.82	8	5,918.03	8	6,464.51	8	6,969.43	8	7,417.94	8	7,788.81	8	8,041.67	8		8		8	
1/4	5,354.04	1/4	5,929.74	1/4	6,475.47	1/4	6,979.37	1/4	7,426.50	1/4	7,795.41	1/4	8,044.88	1/4		1/4		1/4	
1/2	5,366.27	1/2	5,941.45	1/2	6,486.43	1/2	6,989.31	1/2	7,435.06	1/2	7,802.01	1/2	8,048.08	1/2		1/2		1/2	
3/4	5,378.49	3/4	5,953.15	3/4	6,497.39	3/4	6,999.25	3/4	7,443.62	3/4	7,808.62	3/4	8,051.28	3/4		3/4		3/4	
9	5,390.72	9	5,964.86	9	6,508.35	9	7,009.20	9	7,452.18	9	7,815.22	9	8,054.48	9		9		9	
1/4	5,402.91	1/4	5,976.51	1/4	6,519.24	1/4	7,019.04	1/4	7,460.60	1/4	7,821.62	1/4	8,057.19	1/4		1/4		1/4	
1/2	5,415.10	1/2	5,988.16	1/2	6,530.13	1/2	7,028.88	1/2	7,469.02	1/2	7,828.02	1/2	8,059.90	1/2		1/2		1/2	
3/4	5,427.29	3/4	5,999.82	3/4	6,541.01	3/4	7,038.72	3/4	7,477.45	3/4	7,834.42	3/4	8,062.60	3/4		3/4		3/4	
10	5,439.47	10	6,011.47	10	6,551.90	10	7,048.56	10	7,485.87	10	7,840.83	10	8,065.31	10		10		10	
1/4	5,451.63	1/4	6,023.07	1/4	6,562.71	1/4	7,058.30	1/4	7,494.15	1/4	7,847.01	1/4	8,067.40	1/4		1/4		1/4	
1/2	5,463.78	1/2	6,034.67	1/2	6,573.52	1/2	7,068.04	1/2	7,502.43	1/2	7,853.20	1/2	8,069.50	1/2		1/2		1/2	
3/4	5,475.93	3/4	6,046.27	3/4	6,584.33	3/4	7,077.78	3/4	7,510.72	3/4	7,859.39	3/4	8,071.59	3/4		3/4		3/4	
11	5,488.09	11	6,057.87	11	6,595.15	11	7,087.52	11	7,519.00	11	7,865.58	11	8,073.68	11		11		11	
1/4	5,500.20	1/4	6,069.41	1/4	6,605.88	1/4	7,097.16	1/4	7,527.14	1/4	7,871.55	1/4	8,074.82	1/4		1/4		1/4	
1/2	5,512.31	1/2	6,080.95	1/2	6,616.62	1/2	7,106.79	1/2	7,535.27	1/2	7,877.51	1/2	8,075.97	1/2		1/2		1/2	
3/4	5,524.43	3/4	6,092.49	3/4	6,627.35	3/4	7,116.43	3/4	7,543.41	3/4	7,883.48	3/4	8,077.11	3/4		3/4		3/4	

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