



# BARGE "KIRBY 16828"

PORT  
HORIZONTAL

INNAGE TABLE  
BERGAN GAUGE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "DBL 703"

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	193.66	0	540.87	0	978.91	0	1,481.57	0	2,032.05	0	2,617.49	0	3,227.10	0	3,851.24	0	4,480.89
1/4	1.30	1/4	199.75	1/4	549.24	1/4	988.83	1/4	1,492.63	1/4	2,043.95	1/4	2,629.99	1/4	3,239.99	1/4	3,864.34	1/4	4,494.00
1/2	2.48	1/2	205.83	1/2	557.62	1/2	998.76	1/2	1,503.69	1/2	2,055.86	1/2	2,642.50	1/2	3,252.89	1/2	3,877.43	1/2	4,507.11
3/4	3.66	3/4	211.92	3/4	566.00	3/4	1,008.68	3/4	1,514.75	3/4	2,067.76	3/4	2,655.00	3/4	3,265.79	3/4	3,890.53	3/4	4,520.22
1	4.83	1	218.01	1	574.37	1	1,018.60	1	1,525.81	1	2,079.66	1	2,667.51	1	3,278.68	1	3,903.62	1	4,533.33
1/4	6.98	1/4	224.32	1/4	582.90	1/4	1,028.63	1/4	1,536.95	1/4	2,091.62	1/4	2,680.05	1/4	3,291.60	1/4	3,916.73	1/4	4,546.44
1/2	9.14	1/2	230.64	1/2	591.42	1/2	1,038.66	1/2	1,548.10	1/2	2,103.58	1/2	2,692.60	1/2	3,304.52	1/2	3,929.83	1/2	4,559.54
3/4	11.29	3/4	236.96	3/4	599.95	3/4	1,048.69	3/4	1,559.24	3/4	2,115.55	3/4	2,705.14	3/4	3,317.44	3/4	3,942.93	3/4	4,572.65
2	13.44	2	243.27	2	608.47	2	1,058.72	2	1,570.38	2	2,127.51	2	2,717.68	2	3,330.36	2	3,956.04	2	4,585.75
1/4	16.23	1/4	249.83	1/4	617.14	1/4	1,068.86	1/4	1,581.60	1/4	2,139.53	1/4	2,730.27	1/4	3,343.30	1/4	3,969.15	1/4	4,598.85
1/2	19.01	1/2	256.39	1/2	625.81	1/2	1,079.00	1/2	1,592.82	1/2	2,151.54	1/2	2,742.85	1/2	3,356.25	1/2	3,982.26	1/2	4,611.94
3/4	21.80	3/4	262.95	3/4	634.48	3/4	1,089.13	3/4	1,604.04	3/4	2,163.56	3/4	2,755.43	3/4	3,369.19	3/4	3,995.37	3/4	4,625.04
3	24.58	3	269.51	3	643.15	3	1,099.27	3	1,615.26	3	2,175.58	3	2,768.02	3	3,382.13	3	4,008.48	3	4,638.13
1/4	27.88	1/4	276.31	1/4	651.97	1/4	1,109.51	1/4	1,626.55	1/4	2,187.66	1/4	2,780.64	1/4	3,395.10	1/4	4,021.60	1/4	4,651.22
1/2	31.17	1/2	283.11	1/2	660.78	1/2	1,119.75	1/2	1,637.85	1/2	2,199.73	1/2	2,793.26	1/2	3,408.06	1/2	4,034.72	1/2	4,664.30
3/4	34.47	3/4	289.90	3/4	669.59	3/4	1,129.99	3/4	1,649.15	3/4	2,211.80	3/4	2,805.88	3/4	3,421.02	3/4	4,047.83	3/4	4,677.39
4	37.76	4	296.70	4	678.40	4	1,140.23	4	1,660.44	4	2,223.88	4	2,818.50	4	3,433.99	4	4,060.95	4	4,690.48
1/4	41.49	1/4	303.69	1/4	687.35	1/4	1,150.57	1/4	1,671.81	1/4	2,236.01	1/4	2,831.16	1/4	3,446.97	1/4	4,074.07	1/4	4,703.55
1/2	45.22	1/2	310.69	1/2	696.30	1/2	1,160.91	1/2	1,683.18	1/2	2,248.13	1/2	2,843.82	1/2	3,459.95	1/2	4,087.19	1/2	4,716.63
3/4	48.96	3/4	317.69	3/4	705.24	3/4	1,171.25	3/4	1,694.55	3/4	2,260.26	3/4	2,856.47	3/4	3,472.94	3/4	4,100.31	3/4	4,729.70
5	52.69	5	324.69	5	714.19	5	1,181.59	5	1,705.93	5	2,272.39	5	2,869.13	5	3,485.92	5	4,113.43	5	4,742.78
1/4	56.81	1/4	331.88	1/4	723.27	1/4	1,192.02	1/4	1,717.37	1/4	2,284.57	1/4	2,881.82	1/4	3,498.92	1/4	4,126.56	1/4	4,755.84
1/2	60.93	1/2	339.07	1/2	732.35	1/2	1,202.46	1/2	1,728.81	1/2	2,296.75	1/2	2,894.51	1/2	3,511.92	1/2	4,139.68	1/2	4,768.90
3/4	65.05	3/4	346.26	3/4	741.44	3/4	1,212.90	3/4	1,740.26	3/4	2,308.93	3/4	2,907.20	3/4	3,524.92	3/4	4,152.80	3/4	4,781.97
6	69.17	6	353.45	6	750.52	6	1,223.34	6	1,751.70	6	2,321.11	6	2,919.90	6	3,537.93	6	4,165.93	6	4,795.03
1/4	73.65	1/4	360.83	1/4	759.73	1/4	1,233.87	1/4	1,763.21	1/4	2,333.34	1/4	2,932.62	1/4	3,550.95	1/4	4,179.06	1/4	4,808.08
1/2	78.12	1/2	368.20	1/2	768.94	1/2	1,244.41	1/2	1,774.73	1/2	2,345.57	1/2	2,945.35	1/2	3,563.96	1/2	4,192.18	1/2	4,821.13
3/4	82.60	3/4	375.58	3/4	778.15	3/4	1,254.94	3/4	1,786.24	3/4	2,357.80	3/4	2,958.07	3/4	3,576.98	3/4	4,205.31	3/4	4,834.18
7	87.07	7	382.96	7	787.36	7	1,265.47	7	1,797.76	7	2,370.03	7	2,970.80	7	3,590.00	7	4,218.43	7	4,847.23
1/4	91.87	1/4	390.52	1/4	796.70	1/4	1,276.10	1/4	1,809.34	1/4	2,382.32	1/4	2,983.55	1/4	3,603.04	1/4	4,231.56	1/4	4,860.27
1/2	96.67	1/2	398.07	1/2	806.04	1/2	1,286.73	1/2	1,820.92	1/2	2,394.60	1/2	2,996.31	1/2	3,616.07	1/2	4,244.69	1/2	4,873.30
3/4	101.46	3/4	405.63	3/4	815.37	3/4	1,297.35	3/4	1,832.51	3/4	2,406.88	3/4	3,009.07	3/4	3,629.11	3/4	4,257.81	3/4	4,886.34
8	106.26	8	413.19	8	824.71	8	1,307.98	8	1,844.09	8	2,419.16	8	3,021.82	8	3,642.14	8	4,270.94	8	4,899.37
1/4	111.34	1/4	420.92	1/4	834.17	1/4	1,318.70	1/4	1,855.74	1/4	2,431.48	1/4	3,034.61	1/4	3,655.19	1/4	4,284.07	1/4	4,912.39
1/2	116.41	1/2	428.65	1/2	843.63	1/2	1,329.42	1/2	1,867.39	1/2	2,443.81	1/2	3,047.40	1/2	3,668.24	1/2	4,297.19	1/2	4,925.41
3/4	121.48	3/4	436.39	3/4	853.09	3/4	1,340.14	3/4	1,879.04	3/4	2,456.14	3/4	3,060.18	3/4	3,681.29	3/4	4,310.32	3/4	4,938.43
9	126.56	9	444.12	9	862.55	9	1,350.85	9	1,890.70	9	2,468.47	9	3,072.97	9	3,694.34	9	4,323.44	9	4,951.45
1/4	131.89	1/4	452.02	1/4	872.14	1/4	1,361.66	1/4	1,902.41	1/4	2,480.84	1/4	3,085.79	1/4	3,707.41	1/4	4,336.57	1/4	4,964.45
1/2	137.22	1/2	459.92	1/2	881.72	1/2	1,372.47	1/2	1,914.13	1/2	2,493.22	1/2	3,098.60	1/2	3,720.47	1/2	4,349.69	1/2	4,977.45
3/4	142.55	3/4	467.82	3/4	891.30	3/4	1,383.27	3/4	1,925.84	3/4	2,505.59	3/4	3,111.42	3/4	3,733.53	3/4	4,362.82	3/4	4,990.45
10	147.88	10	475.72	10	900.88	10	1,394.08	10	1,937.56	10	2,517.97	10	3,124.24	10	3,746.60	10	4,375.94	10	5,003.45
1/4	153.48	1/4	483.79	1/4	910.57	1/4	1,404.98	1/4	1,949.34	1/4	2,530.38	1/4	3,137.08	1/4	3,759.67	1/4	4,389.06	1/4	5,016.44
1/2	159.07	1/2	491.85	1/2	920.27	1/2	1,415.87	1/2	1,961.12	1/2	2,542.80	1/2	3,149.93	1/2	3,772.75	1/2	4,402.18	1/2	5,029.42
3/4	164.67	3/4	499.91	3/4	929.97	3/4	1,426.76	3/4	1,972.90	3/4	2,555.22	3/4	3,162.77	3/4	3,785.82	3/4	4,415.30	3/4	5,042.40
11	170.26	11	507.98	11	939.67	11	1,437.66	11	1,984.68	11	2,567.64	11	3,175.62	11	3,798.90	11	4,428.43	11	5,055.39
1/4	176.11	1/4	516.20	1/4	949.48	1/4	1,448.64	1/4	1,996.52	1/4	2,580.10	1/4	3,188.49	1/4	3,811.98	1/4	4,441.54	1/4	5,068.35
1/2	181.96	1/2	524.42	1/2	959.29	1/2	1,459.61	1/2	2,008.37	1/2	2,592.57	1/2	3,201.36	1/2	3,825.07	1/2	4,454.66	1/2	5,081.31
3/4	187.81	3/4	532.65	3/4	969.10	3/4	1,470.59	3/4	2,020.21	3/4	2,605.03	3/4	3,214.23	3/4	3,838.15	3/4	4,467.77	3/4	5,094.28

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.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
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# BARGE "KIRBY 16828"

## PORT HORIZONTAL INNAGE TABLE BERGAN GAUGE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "DBL 703"

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	5,107.24	0	5,721.36	0	6,313.79	0	6,874.12	0	7,390.10	0	7,846.22	0	8,219.86	0	8,466.04	0		0	
1/4	5,120.18	1/4	5,733.94	1/4	6,325.81	1/4	6,885.34	1/4	7,400.24	1/4	7,854.89	1/4	8,226.45	1/4	8,468.82	1/4		1/4	
1/2	5,133.13	1/2	5,746.52	1/2	6,337.83	1/2	6,896.56	1/2	7,410.38	1/2	7,863.56	1/2	8,233.03	1/2	8,471.61	1/2		1/2	
3/4	5,146.07	3/4	5,759.11	3/4	6,349.85	3/4	6,907.78	3/4	7,420.51	3/4	7,872.23	3/4	8,239.62	3/4	8,474.39	3/4		3/4	
1	5,159.01	1	5,771.69	1	6,361.87	1	6,919.00	1	7,430.65	1	7,880.90	1	8,246.20	1	8,477.18	1		1	
1/4	5,171.93	1/4	5,784.23	1/4	6,373.83	1/4	6,930.14	1/4	7,440.68	1/4	7,889.42	1/4	8,252.57	1/4	8,479.33	1/4		1/4	
1/2	5,184.85	1/2	5,796.78	1/2	6,385.79	1/2	6,941.28	1/2	7,450.71	1/2	7,897.95	1/2	8,258.94	1/2	8,481.48	1/2		1/2	
3/4	5,197.77	3/4	5,809.32	3/4	6,397.75	3/4	6,952.42	3/4	7,460.74	3/4	7,906.48	3/4	8,265.31	3/4	8,483.63	3/4		3/4	
2	5,210.69	2	5,821.87	2	6,409.71	2	6,963.56	2	7,470.77	2	7,915.00	2	8,271.68	2	8,485.78	2		2	
1/4	5,223.59	1/4	5,834.37	1/4	6,421.61	1/4	6,974.62	1/4	7,480.69	1/4	7,923.38	1/4	8,277.82	1/4	8,486.96	1/4		1/4	
1/2	5,236.48	1/2	5,846.87	1/2	6,433.52	1/2	6,985.68	1/2	7,490.62	1/2	7,931.75	1/2	8,283.95	1/2	8,488.14	1/2		1/2	
3/4	5,249.38	3/4	5,859.38	3/4	6,445.42	3/4	6,996.74	3/4	7,500.54	3/4	7,940.13	3/4	8,290.09	3/4	8,489.32	3/4		3/4	
3	5,262.27	3	5,871.88	3	6,457.32	3	7,007.80	3	7,510.46	3	7,948.51	3	8,296.23	3	8,490.49	3		3	
1/4	5,275.15	1/4	5,884.35	1/4	6,469.17	1/4	7,018.78	1/4	7,520.27	1/4	7,956.73	1/4	8,302.13	1/4		1/4		1/4	
1/2	5,288.02	1/2	5,896.81	1/2	6,481.01	1/2	7,029.76	1/2	7,530.08	1/2	7,964.95	1/2	8,308.03	1/2		1/2		1/2	
3/4	5,300.89	3/4	5,909.27	3/4	6,492.85	3/4	7,040.74	3/4	7,539.90	3/4	7,973.17	3/4	8,313.93	3/4		3/4		3/4	
4	5,313.76	4	5,921.73	4	6,504.69	4	7,051.72	4	7,549.71	4	7,981.40	4	8,319.83	4		4		4	
1/4	5,326.60	1/4	5,934.15	1/4	6,516.47	1/4	7,062.61	1/4	7,559.40	1/4	7,989.46	1/4	8,325.48	1/4		1/4		1/4	
1/2	5,339.45	1/2	5,946.57	1/2	6,528.25	1/2	7,073.50	1/2	7,569.10	1/2	7,997.52	1/2	8,331.13	1/2		1/2		1/2	
3/4	5,352.29	3/4	5,958.99	3/4	6,540.03	3/4	7,084.40	3/4	7,578.80	3/4	8,005.59	3/4	8,336.78	3/4		3/4		3/4	
5	5,365.14	5	5,971.41	5	6,551.81	5	7,095.29	5	7,588.50	5	8,013.65	5	8,342.43	5		5		5	
1/4	5,377.95	1/4	5,983.78	1/4	6,563.53	1/4	7,106.10	1/4	7,598.08	1/4	8,021.55	1/4	8,347.81	1/4		1/4		1/4	
1/2	5,390.77	1/2	5,996.16	1/2	6,575.25	1/2	7,116.91	1/2	7,607.66	1/2	8,029.45	1/2	8,353.19	1/2		1/2		1/2	
3/4	5,403.58	3/4	6,008.53	3/4	6,586.96	3/4	7,127.71	3/4	7,617.24	3/4	8,037.35	3/4	8,358.57	3/4		3/4		3/4	
6	5,416.40	6	6,020.91	6	6,598.68	6	7,138.52	6	7,626.82	6	8,045.26	6	8,363.95	6		6		6	
1/4	5,429.19	1/4	6,033.23	1/4	6,610.33	1/4	7,149.24	1/4	7,636.28	1/4	8,052.99	1/4	8,369.05	1/4		1/4		1/4	
1/2	5,441.98	1/2	6,045.56	1/2	6,621.98	1/2	7,159.96	1/2	7,645.74	1/2	8,060.72	1/2	8,374.15	1/2		1/2		1/2	
3/4	5,454.76	3/4	6,057.89	3/4	6,633.63	3/4	7,170.67	3/4	7,655.20	3/4	8,068.45	3/4	8,379.25	3/4		3/4		3/4	
7	5,467.55	7	6,070.22	7	6,645.28	7	7,181.39	7	7,664.66	7	8,076.18	7	8,384.35	7		7		7	
1/4	5,480.31	1/4	6,082.50	1/4	6,656.87	1/4	7,192.02	1/4	7,674.00	1/4	8,083.74	1/4	8,389.15	1/4		1/4		1/4	
1/2	5,493.06	1/2	6,094.78	1/2	6,668.45	1/2	7,202.65	1/2	7,683.34	1/2	8,091.30	1/2	8,393.95	1/2		1/2		1/2	
3/4	5,505.82	3/4	6,107.06	3/4	6,680.03	3/4	7,213.27	3/4	7,692.67	3/4	8,098.86	3/4	8,398.75	3/4		3/4		3/4	
8	5,518.58	8	6,119.34	8	6,691.62	8	7,223.90	8	7,702.01	8	8,106.42	8	8,403.55	8		8		8	
1/4	5,531.30	1/4	6,131.57	1/4	6,703.13	1/4	7,234.43	1/4	7,711.22	1/4	8,113.79	1/4	8,408.02	1/4		1/4		1/4	
1/2	5,544.03	1/2	6,143.80	1/2	6,714.64	1/2	7,244.97	1/2	7,720.43	1/2	8,121.17	1/2	8,412.49	1/2		1/2		1/2	
3/4	5,556.75	3/4	6,156.03	3/4	6,726.16	3/4	7,255.50	3/4	7,729.64	3/4	8,128.55	3/4	8,416.97	3/4		3/4		3/4	
9	5,569.48	9	6,168.26	9	6,737.67	9	7,266.03	9	7,738.86	9	8,135.93	9	8,421.44	9		9		9	
1/4	5,582.17	1/4	6,180.44	1/4	6,749.12	1/4	7,276.47	1/4	7,747.94	1/4	8,143.12	1/4	8,425.56	1/4		1/4		1/4	
1/2	5,594.86	1/2	6,192.62	1/2	6,760.56	1/2	7,286.91	1/2	7,757.02	1/2	8,150.31	1/2	8,429.68	1/2		1/2		1/2	
3/4	5,607.55	3/4	6,204.80	3/4	6,772.00	3/4	7,297.35	3/4	7,766.10	3/4	8,157.50	3/4	8,433.81	3/4		3/4		3/4	
10	5,620.24	10	6,216.98	10	6,783.45	10	7,307.79	10	7,775.18	10	8,164.69	10	8,437.93	10		10		10	
1/4	5,632.90	1/4	6,229.11	1/4	6,794.82	1/4	7,318.13	1/4	7,784.13	1/4	8,171.69	1/4	8,441.66	1/4		1/4		1/4	
1/2	5,645.56	1/2	6,241.24	1/2	6,806.19	1/2	7,328.47	1/2	7,793.08	1/2	8,178.68	1/2	8,445.39	1/2		1/2		1/2	
3/4	5,658.22	3/4	6,253.37	3/4	6,817.56	3/4	7,338.81	3/4	7,802.03	3/4	8,185.68	3/4	8,449.12	3/4		3/4		3/4	
11	5,670.87	11	6,265.50	11	6,828.93	11	7,349.15	11	7,810.97	11	8,192.68	11	8,452.86	11		11		11	
1/4	5,683.49	1/4	6,277.57	1/4	6,840.23	1/4	7,359.39	1/4	7,819.79	1/4	8,199.47	1/4	8,456.15	1/4		1/4		1/4	
1/2	5,696.11	1/2	6,289.64	1/2	6,851.52	1/2	7,369.63	1/2	7,828.60	1/2	8,206.27	1/2	8,459.45	1/2		1/2		1/2	
3/4	5,708.73	3/4	6,301.72	3/4	6,862.82	3/4	7,379.86	3/4	7,837.41	3/4	8,213.06	3/4	8,462.74	3/4		3/4		3/4	

STRAPPED: 02/20/2013 CL - SW  
CALCULATED: 02/20/2013 CL  
NAME CHANGE: 03/10/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2023

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 16828"

STBD  
HORIZONTAL

INNAGE TABLE  
BERGAN GAUGE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "DBL 703"

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	193.72	0	541.03	0	979.19	0	1,481.99	0	2,032.62	0	2,618.21	0	3,227.99	0	3,852.29	0	4,482.11
1/4	1.30	1/4	199.80	1/4	549.40	1/4	989.12	1/4	1,493.05	1/4	2,044.52	1/4	2,630.72	1/4	3,240.88	1/4	3,865.39	1/4	4,495.22
1/2	2.48	1/2	205.89	1/2	557.78	1/2	999.04	1/2	1,504.12	1/2	2,056.43	1/2	2,643.23	1/2	3,253.78	1/2	3,878.49	1/2	4,508.34
3/4	3.66	3/4	211.98	3/4	566.16	3/4	1,008.97	3/4	1,515.18	3/4	2,068.33	3/4	2,655.74	3/4	3,266.68	3/4	3,891.59	3/4	4,521.45
1	4.83	1	218.07	1	574.54	1	1,018.89	1	1,526.24	1	2,080.24	1	2,668.24	1	3,279.58	1	3,904.69	1	4,534.57
1/4	6.99	1/4	224.39	1/4	583.07	1/4	1,028.93	1/4	1,537.39	1/4	2,092.21	1/4	2,680.79	1/4	3,292.51	1/4	3,917.80	1/4	4,547.67
1/2	9.14	1/2	230.71	1/2	591.59	1/2	1,038.96	1/2	1,548.53	1/2	2,104.17	1/2	2,693.34	1/2	3,305.43	1/2	3,930.90	1/2	4,560.78
3/4	11.29	3/4	237.03	3/4	600.12	3/4	1,048.99	3/4	1,559.68	3/4	2,116.13	3/4	2,705.89	3/4	3,318.35	3/4	3,944.01	3/4	4,573.89
2	13.44	2	243.35	2	608.65	2	1,059.03	2	1,570.82	2	2,128.10	2	2,718.44	2	3,331.28	2	3,957.12	2	4,587.00
1/4	16.23	1/4	249.91	1/4	617.32	1/4	1,069.16	1/4	1,582.04	1/4	2,140.12	1/4	2,731.02	1/4	3,344.22	1/4	3,970.23	1/4	4,600.10
1/2	19.02	1/2	256.47	1/2	626.00	1/2	1,079.30	1/2	1,593.27	1/2	2,152.14	1/2	2,743.61	1/2	3,357.17	1/2	3,983.35	1/2	4,613.19
3/4	21.80	3/4	263.03	3/4	634.67	3/4	1,089.44	3/4	1,604.49	3/4	2,164.16	3/4	2,756.20	3/4	3,370.11	3/4	3,996.46	3/4	4,626.29
3	24.59	3	269.59	3	643.34	3	1,099.58	3	1,615.71	3	2,176.19	3	2,768.78	3	3,383.06	3	4,009.58	3	4,639.39
1/4	27.88	1/4	276.39	1/4	652.15	1/4	1,109.82	1/4	1,627.01	1/4	2,188.26	1/4	2,781.41	1/4	3,396.03	1/4	4,022.70	1/4	4,652.48
1/2	31.18	1/2	283.19	1/2	660.97	1/2	1,120.07	1/2	1,638.31	1/2	2,200.34	1/2	2,794.03	1/2	3,408.99	1/2	4,035.82	1/2	4,665.57
3/4	34.48	3/4	289.99	3/4	669.78	3/4	1,130.31	3/4	1,649.61	3/4	2,212.42	3/4	2,806.65	3/4	3,421.96	3/4	4,048.94	3/4	4,678.66
4	37.77	4	296.78	4	678.60	4	1,140.55	4	1,660.91	4	2,224.50	4	2,819.28	4	3,434.93	4	4,062.06	4	4,691.75
1/4	41.50	1/4	303.78	1/4	687.55	1/4	1,150.89	1/4	1,672.28	1/4	2,236.63	1/4	2,831.94	1/4	3,447.91	1/4	4,075.18	1/4	4,704.83
1/2	45.24	1/2	310.78	1/2	696.50	1/2	1,161.24	1/2	1,683.66	1/2	2,248.76	1/2	2,844.60	1/2	3,460.90	1/2	4,088.30	1/2	4,717.91
3/4	48.97	3/4	317.78	3/4	705.45	3/4	1,171.58	3/4	1,695.03	3/4	2,260.89	3/4	2,857.26	3/4	3,473.89	3/4	4,101.43	3/4	4,730.99
5	52.71	5	324.78	5	714.40	5	1,181.92	5	1,706.40	5	2,273.02	5	2,869.92	5	3,486.87	5	4,114.55	5	4,744.07
1/4	56.83	1/4	331.97	1/4	723.48	1/4	1,192.36	1/4	1,717.85	1/4	2,285.20	1/4	2,882.62	1/4	3,499.88	1/4	4,127.68	1/4	4,757.13
1/2	60.95	1/2	339.17	1/2	732.57	1/2	1,202.80	1/2	1,729.30	1/2	2,297.39	1/2	2,895.31	1/2	3,512.88	1/2	4,140.81	1/2	4,770.20
3/4	65.07	3/4	346.36	3/4	741.65	3/4	1,213.24	3/4	1,740.74	3/4	2,309.57	3/4	2,908.01	3/4	3,525.89	3/4	4,153.94	3/4	4,783.27
6	69.20	6	353.55	6	750.73	6	1,223.69	6	1,752.19	6	2,321.76	6	2,920.70	6	3,538.90	6	4,167.06	6	4,796.33
1/4	73.67	1/4	360.93	1/4	759.95	1/4	1,234.22	1/4	1,763.71	1/4	2,333.99	1/4	2,933.43	1/4	3,551.92	1/4	4,180.19	1/4	4,809.39
1/2	78.15	1/2	368.31	1/2	769.16	1/2	1,244.76	1/2	1,775.23	1/2	2,346.22	1/2	2,946.16	1/2	3,564.94	1/2	4,193.32	1/2	4,822.44
3/4	82.62	3/4	375.69	3/4	778.38	3/4	1,255.30	3/4	1,786.74	3/4	2,358.46	3/4	2,958.89	3/4	3,577.96	3/4	4,206.45	3/4	4,835.49
7	87.10	7	383.07	7	787.59	7	1,265.83	7	1,798.26	7	2,370.69	7	2,971.61	7	3,590.99	7	4,219.58	7	4,848.55
1/4	91.90	1/4	390.63	1/4	796.93	1/4	1,276.46	1/4	1,809.85	1/4	2,382.98	1/4	2,984.37	1/4	3,604.02	1/4	4,232.71	1/4	4,861.58
1/2	96.70	1/2	398.19	1/2	806.27	1/2	1,287.09	1/2	1,821.43	1/2	2,395.26	1/2	2,997.13	1/2	3,617.06	1/2	4,245.84	1/2	4,874.62
3/4	101.50	3/4	405.75	3/4	815.61	3/4	1,297.72	3/4	1,833.02	3/4	2,407.54	3/4	3,009.89	3/4	3,630.10	3/4	4,258.97	3/4	4,887.66
8	106.29	8	413.31	8	824.95	8	1,308.35	8	1,844.61	8	2,419.83	8	3,022.65	8	3,643.14	8	4,272.10	8	4,900.70
1/4	111.37	1/4	421.04	1/4	834.41	1/4	1,319.07	1/4	1,856.26	1/4	2,432.16	1/4	3,035.45	1/4	3,656.19	1/4	4,285.23	1/4	4,913.72
1/2	116.45	1/2	428.78	1/2	843.88	1/2	1,329.79	1/2	1,867.92	1/2	2,444.49	1/2	3,048.24	1/2	3,669.25	1/2	4,298.36	1/2	4,926.75
3/4	121.52	3/4	436.51	3/4	853.34	3/4	1,340.51	3/4	1,879.57	3/4	2,456.82	3/4	3,061.03	3/4	3,682.30	3/4	4,311.49	3/4	4,939.77
9	126.60	9	444.25	9	862.80	9	1,351.24	9	1,891.22	9	2,469.15	9	3,073.82	9	3,695.35	9	4,324.62	9	4,952.79
1/4	131.93	1/4	452.15	1/4	872.39	1/4	1,362.05	1/4	1,902.94	1/4	2,481.53	1/4	3,086.64	1/4	3,708.42	1/4	4,337.75	1/4	4,965.80
1/2	137.26	1/2	460.05	1/2	881.97	1/2	1,372.86	1/2	1,914.66	1/2	2,493.91	1/2	3,099.46	1/2	3,721.49	1/2	4,350.88	1/2	4,978.80
3/4	142.59	3/4	467.96	3/4	891.55	3/4	1,383.67	3/4	1,926.38	3/4	2,506.29	3/4	3,112.28	3/4	3,734.55	3/4	4,364.00	3/4	4,991.81
10	147.92	10	475.86	10	901.14	10	1,394.48	10	1,938.10	10	2,518.66	10	3,125.10	10	3,747.62	10	4,377.13	10	5,004.81
1/4	153.52	1/4	483.93	1/4	910.84	1/4	1,405.37	1/4	1,949.89	1/4	2,531.09	1/4	3,137.94	1/4	3,760.70	1/4	4,390.26	1/4	5,017.80
1/2	159.12	1/2	491.99	1/2	920.54	1/2	1,416.27	1/2	1,961.67	1/2	2,543.51	1/2	3,150.79	1/2	3,773.78	1/2	4,403.38	1/2	5,030.79
3/4	164.72	3/4	500.06	3/4	930.24	3/4	1,427.17	3/4	1,973.45	3/4	2,555.93	3/4	3,163.64	3/4	3,786.86	3/4	4,416.51	3/4	5,043.77
11	170.32	11	508.13	11	939.94	11	1,438.06	11	1,985.24	11	2,568.35	11	3,176.49	11	3,799.93	11	4,429.63	11	5,056.76
1/4	176.17	1/4	516.35	1/4	949.75	1/4	1,449.04	1/4	1,997.08	1/4	2,580.82	1/4	3,189.36	1/4	3,813.02	1/4	4,442.75	1/4	5,069.73
1/2	182.02	1/2	524.58	1/2	959.56	1/2	1,460.02	1/2	2,008.93	1/2	2,593.28	1/2	3,202.24	1/2	3,826.11	1/2	4,455.87	1/2	5,082.69
3/4	187.87	3/4	532.80	3/4	969.38	3/4	1,471.01	3/4	2,020.77	3/4	2,605.75	3/4	3,215.11	3/4	3,839.20	3/4	4,468.99	3/4	5,095.66

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.

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 16828"

**STBD**  
**HORIZONTAL**  
**INNAGE TABLE**  
**BERGAN GAUGE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

FORMERLY "DBL 703"

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	5,108.63	0	5,722.90	0	6,315.50	0	6,875.98	0	7,392.10	0	7,848.35	0	8,222.09	0	8,468.34	0		0	
1/4	5,121.57	1/4	5,735.49	1/4	6,327.52	1/4	6,887.20	1/4	7,402.24	1/4	7,857.02	1/4	8,228.68	1/4	8,471.13	1/4		1/4	
1/2	5,134.52	1/2	5,748.08	1/2	6,339.54	1/2	6,898.42	1/2	7,412.38	1/2	7,865.69	1/2	8,235.27	1/2	8,473.91	1/2		1/2	
3/4	5,147.46	3/4	5,760.66	3/4	6,351.56	3/4	6,909.64	3/4	7,422.52	3/4	7,874.36	3/4	8,241.86	3/4	8,476.70	3/4		3/4	
1	5,160.41	1	5,773.25	1	6,363.59	1	6,920.87	1	7,432.66	1	7,883.04	1	8,248.44	1	8,479.48	1		1	
1/4	5,173.33	1/4	5,785.80	1/4	6,375.55	1/4	6,932.01	1/4	7,442.69	1/4	7,891.56	1/4	8,254.81	1/4	8,481.64	1/4		1/4	
1/2	5,186.26	1/2	5,798.35	1/2	6,387.52	1/2	6,943.15	1/2	7,452.73	1/2	7,900.09	1/2	8,261.18	1/2	8,483.79	1/2		1/2	
3/4	5,199.18	3/4	5,810.89	3/4	6,399.48	3/4	6,954.30	3/4	7,462.76	3/4	7,908.62	3/4	8,267.55	3/4	8,485.94	3/4		3/4	
2	5,212.10	2	5,823.44	2	6,411.45	2	6,965.44	2	7,472.79	2	7,917.15	2	8,273.92	2	8,488.10	2		2	
1/4	5,225.00	1/4	5,835.95	1/4	6,423.35	1/4	6,976.51	1/4	7,482.72	1/4	7,925.53	1/4	8,280.07	1/4	8,489.27	1/4		1/4	
1/2	5,237.90	1/2	5,848.46	1/2	6,435.26	1/2	6,987.57	1/2	7,492.64	1/2	7,933.90	1/2	8,286.21	1/2	8,490.45	1/2		1/2	
3/4	5,250.80	3/4	5,860.96	3/4	6,447.16	3/4	6,998.63	3/4	7,502.57	3/4	7,942.28	3/4	8,292.35	3/4	8,491.63	3/4		3/4	
3	5,263.70	3	5,873.47	3	6,459.07	3	7,009.70	3	7,512.49	3	7,950.66	3	8,298.49	3	8,492.80	3		3	
1/4	5,276.57	1/4	5,885.94	1/4	6,470.91	1/4	7,020.68	1/4	7,522.31	1/4	7,958.89	1/4	8,304.39	1/4		1/4		1/4	
1/2	5,289.45	1/2	5,898.40	1/2	6,482.76	1/2	7,031.66	1/2	7,532.12	1/2	7,967.11	1/2	8,310.29	1/2		1/2		1/2	
3/4	5,302.32	3/4	5,910.87	3/4	6,494.60	3/4	7,042.64	3/4	7,541.94	3/4	7,975.34	3/4	8,316.19	3/4		3/4		3/4	
4	5,315.20	4	5,923.33	4	6,506.45	4	7,053.62	4	7,551.75	4	7,983.56	4	8,322.10	4		4		4	
1/4	5,328.05	1/4	5,935.76	1/4	6,518.23	1/4	7,064.52	1/4	7,561.45	1/4	7,991.63	1/4	8,327.75	1/4		1/4		1/4	
1/2	5,340.89	1/2	5,948.18	1/2	6,530.02	1/2	7,075.42	1/2	7,571.15	1/2	7,999.69	1/2	8,333.40	1/2		1/2		1/2	
3/4	5,353.74	3/4	5,960.60	3/4	6,541.80	3/4	7,086.31	3/4	7,580.85	3/4	8,007.76	3/4	8,339.04	3/4		3/4		3/4	
5	5,366.59	5	5,973.02	5	6,553.58	5	7,097.21	5	7,590.55	5	8,015.83	5	8,344.69	5		5		5	
1/4	5,379.41	1/4	5,985.40	1/4	6,565.30	1/4	7,108.02	1/4	7,600.13	1/4	8,023.73	1/4	8,350.08	1/4		1/4		1/4	
1/2	5,392.23	1/2	5,997.78	1/2	6,577.02	1/2	7,118.83	1/2	7,609.72	1/2	8,031.63	1/2	8,355.46	1/2		1/2		1/2	
3/4	5,405.05	3/4	6,010.16	3/4	6,588.74	3/4	7,129.64	3/4	7,619.30	3/4	8,039.53	3/4	8,360.85	3/4		3/4		3/4	
6	5,417.87	6	6,022.53	6	6,600.46	6	7,140.45	6	7,628.88	6	8,047.44	6	8,366.23	6		6		6	
1/4	5,430.66	1/4	6,034.86	1/4	6,612.12	1/4	7,151.17	1/4	7,638.35	1/4	8,055.17	1/4	8,371.33	1/4		1/4		1/4	
1/2	5,443.45	1/2	6,047.20	1/2	6,623.77	1/2	7,161.89	1/2	7,647.81	1/2	8,062.91	1/2	8,376.43	1/2		1/2		1/2	
3/4	5,456.24	3/4	6,059.53	3/4	6,635.42	3/4	7,172.61	3/4	7,657.27	3/4	8,070.64	3/4	8,381.53	3/4		3/4		3/4	
7	5,469.03	7	6,071.86	7	6,647.08	7	7,183.33	7	7,666.74	7	8,078.38	7	8,386.63	7		7		7	
1/4	5,481.79	1/4	6,084.14	1/4	6,658.66	1/4	7,193.96	1/4	7,676.08	1/4	8,085.94	1/4	8,391.43	1/4		1/4		1/4	
1/2	5,494.55	1/2	6,096.43	1/2	6,670.25	1/2	7,204.59	1/2	7,685.42	1/2	8,093.50	1/2	8,396.23	1/2		1/2		1/2	
3/4	5,507.31	3/4	6,108.71	3/4	6,681.84	3/4	7,215.22	3/4	7,694.76	3/4	8,101.06	3/4	8,401.03	3/4		3/4		3/4	
8	5,520.07	8	6,120.99	8	6,693.42	8	7,225.85	8	7,704.10	8	8,108.62	8	8,405.83	8		8		8	
1/4	5,532.80	1/4	6,133.23	1/4	6,704.94	1/4	7,236.39	1/4	7,713.31	1/4	8,116.00	1/4	8,410.31	1/4		1/4		1/4	
1/2	5,545.53	1/2	6,145.46	1/2	6,716.46	1/2	7,246.93	1/2	7,722.52	1/2	8,123.37	1/2	8,414.78	1/2		1/2		1/2	
3/4	5,558.26	3/4	6,157.70	3/4	6,727.98	3/4	7,257.46	3/4	7,731.74	3/4	8,130.75	3/4	8,419.26	3/4		3/4		3/4	
9	5,570.99	9	6,169.93	9	6,739.50	9	7,268.00	9	7,740.95	9	8,138.13	9	8,423.73	9		9		9	
1/4	5,583.68	1/4	6,182.11	1/4	6,750.94	1/4	7,278.44	1/4	7,750.04	1/4	8,145.33	1/4	8,427.86	1/4		1/4		1/4	
1/2	5,596.38	1/2	6,194.30	1/2	6,762.39	1/2	7,288.88	1/2	7,759.12	1/2	8,152.52	1/2	8,431.98	1/2		1/2		1/2	
3/4	5,609.07	3/4	6,206.48	3/4	6,773.84	3/4	7,299.32	3/4	7,768.20	3/4	8,159.71	3/4	8,436.10	3/4		3/4		3/4	
10	5,621.77	10	6,218.67	10	6,785.28	10	7,309.76	10	7,777.29	10	8,166.91	10	8,440.22	10		10		10	
1/4	5,634.43	1/4	6,230.80	1/4	6,796.66	1/4	7,320.11	1/4	7,786.24	1/4	8,173.90	1/4	8,443.96	1/4		1/4		1/4	
1/2	5,647.09	1/2	6,242.93	1/2	6,808.03	1/2	7,330.45	1/2	7,795.19	1/2	8,180.90	1/2	8,447.69	1/2		1/2		1/2	
3/4	5,659.75	3/4	6,255.06	3/4	6,819.40	3/4	7,340.79	3/4	7,804.14	3/4	8,187.90	3/4	8,451.42	3/4		3/4		3/4	
11	5,672.41	11	6,267.19	11	6,830.78	11	7,351.13	11	7,813.09	11	8,194.90	11	8,455.16	11		11		11	
1/4	5,685.03	1/4	6,279.27	1/4	6,842.08	1/4	7,361.38	1/4	7,821.90	1/4	8,201.70	1/4	8,458.45	1/4		1/4		1/4	
1/2	5,697.66	1/2	6,291.34	1/2	6,853.38	1/2	7,371.62	1/2	7,830.72	1/2	8,208.50	1/2	8,461.75	1/2		1/2		1/2	
3/4	5,710.28	3/4	6,303.42	3/4	6,864.68	3/4	7,381.86	3/4	7,839.53	3/4	8,215.29	3/4	8,465.04	3/4		3/4		3/4	

STRAPPED: 02/20/2013 CL - SW  
CALCULATED: 02/20/2013 CL  
NAME CHANGE: 03/10/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2023

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