



BARGE "KIRBY 21855"

PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "COLUMBIA"

BERGAN MIDSHIP DFG GAUGING SYSTEM

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	0.83	0	236.67	0	655.83	0	1,185.98	0	1,794.67	0	2,462.40	0	3,173.88	0	3,916.83	0	4,679.74	0	5,452.38
1/4	2.26	1/4	244.14	1/4	666.05	1/4	1,198.05	1/4	1,808.11	1/4	2,476.89	1/4	3,189.14	1/4	3,932.59	1/4	4,695.81	1/4	5,468.47
1/2	3.68	1/2	251.61	1/2	676.27	1/2	1,210.12	1/2	1,821.56	1/2	2,491.37	1/2	3,204.41	1/2	3,948.35	1/2	4,711.88	1/2	5,484.56
3/4	5.10	3/4	259.08	3/4	686.49	3/4	1,222.19	3/4	1,835.01	3/4	2,505.95	3/4	3,219.67	3/4	3,964.10	3/4	4,727.95	3/4	5,500.65
1	6.52	1	266.55	1	696.71	1	1,234.26	1	1,848.45	1	2,520.33	1	3,234.93	1	3,979.86	1	4,744.02	1	5,516.74
1/4	9.17	1/4	274.02	1/4	706.93	1/4	1,246.33	1/4	1,861.90	1/4	2,534.92	1/4	3,250.19	1/4	3,995.61	1/4	4,760.09	1/4	5,532.86
1/2	11.82	1/2	281.50	1/2	717.15	1/2	1,258.40	1/2	1,875.36	1/2	2,549.30	1/2	3,265.45	1/2	4,011.36	1/2	4,776.15	1/2	5,548.98
3/4	14.47	3/4	288.98	3/4	727.37	3/4	1,270.48	3/4	1,888.81	3/4	2,563.78	3/4	3,280.71	3/4	4,027.11	3/4	4,792.22	3/4	5,565.10
2	17.12	2	296.45	2	737.59	2	1,282.55	2	1,902.26	2	2,578.26	2	3,295.98	2	4,042.86	2	4,808.29	2	5,581.21
1/4	20.51	1/4	304.49	1/4	748.18	1/4	1,294.88	1/4	1,915.93	1/4	2,592.89	1/4	3,311.32	1/4	4,059.67	1/4	4,824.36	1/4	5,597.36
1/2	23.90	1/2	312.54	1/2	758.77	1/2	1,307.21	1/2	1,929.60	1/2	2,607.52	1/2	3,326.66	1/2	4,074.48	1/2	4,840.43	1/2	5,613.50
3/4	27.30	3/4	320.58	3/4	769.36	3/4	1,319.55	3/4	1,943.26	3/4	2,622.15	3/4	3,341.99	3/4	4,090.29	3/4	4,856.50	3/4	5,629.64
3	30.69	3	328.62	3	779.95	3	1,331.88	3	1,956.93	3	2,636.79	3	3,357.33	3	4,106.10	3	4,872.57	3	5,645.79
1/4	34.71	1/4	336.66	1/4	790.54	1/4	1,344.21	1/4	1,970.59	1/4	2,651.41	1/4	3,372.67	1/4	4,121.91	1/4	4,888.65	1/4	5,661.91
1/2	38.73	1/2	344.70	1/2	801.12	1/2	1,356.54	1/2	1,984.25	1/2	2,666.04	1/2	3,388.01	1/2	4,137.73	1/2	4,904.73	1/2	5,677.94
3/4	42.74	3/4	352.74	3/4	811.70	3/4	1,368.86	3/4	1,997.91	3/4	2,680.66	3/4	3,403.35	3/4	4,153.54	3/4	4,920.80	3/4	5,694.16
4	46.76	4	360.79	4	822.29	4	1,381.19	4	2,011.57	4	2,695.29	4	3,418.69	4	4,169.36	4	4,936.88	4	5,710.29
1/4	51.30	1/4	369.31	1/4	833.19	1/4	1,393.77	1/4	2,025.40	1/4	2,710.07	1/4	3,434.13	1/4	4,185.26	1/4	4,952.97	1/4	5,726.41
1/2	55.85	1/2	377.83	1/2	844.10	1/2	1,406.35	1/2	2,039.23	1/2	2,724.86	1/2	3,449.57	1/2	4,201.15	1/2	4,969.06	1/2	5,742.51
3/4	60.39	3/4	386.36	3/4	855.00	3/4	1,418.92	3/4	2,053.05	3/4	2,739.64	3/4	3,465.01	3/4	4,217.05	3/4	4,985.15	3/4	5,758.62
5	64.93	5	394.88	5	865.90	5	1,431.50	5	2,066.88	5	2,754.43	5	3,480.45	5	4,232.95	5	5,001.24	5	5,774.74
1/4	69.94	1/4	403.41	1/4	876.81	1/4	1,444.08	1/4	2,080.71	1/4	2,769.21	1/4	3,495.89	1/4	4,248.86	1/4	5,017.33	1/4	5,790.84
1/2	74.95	1/2	411.94	1/2	887.71	1/2	1,456.65	1/2	2,094.54	1/2	2,784.00	1/2	3,511.32	1/2	4,264.76	1/2	5,033.42	1/2	5,806.94
3/4	79.96	3/4	420.47	3/4	898.62	3/4	1,469.23	3/4	2,108.36	3/4	2,798.79	3/4	3,526.76	3/4	4,280.67	3/4	5,049.51	3/4	5,823.04
6	84.98	6	429.00	6	909.52	6	1,481.81	6	2,122.19	6	2,813.57	6	3,542.19	6	4,296.57	6	5,065.60	6	5,839.14
1/4	90.42	1/4	438.04	1/4	920.74	1/4	1,494.64	1/4	2,136.20	1/4	2,828.46	1/4	3,557.11	1/4	4,312.49	1/4	5,081.71	1/4	5,855.24
1/2	95.86	1/2	447.08	1/2	931.96	1/2	1,507.46	1/2	2,150.20	1/2	2,843.36	1/2	3,573.23	1/2	4,328.42	1/2	5,097.82	1/2	5,871.33
3/4	101.30	3/4	456.13	3/4	943.18	3/4	1,520.29	3/4	2,164.21	3/4	2,858.25	3/4	3,588.74	3/4	4,344.34	3/4	5,113.93	3/4	5,887.43
7	106.74	7	465.17	7	954.40	7	1,533.12	7	2,178.21	7	2,873.14	7	3,604.26	7	4,360.26	7	5,130.05	7	5,903.52
1/4	112.57	1/4	474.21	1/4	965.63	1/4	1,545.95	1/4	2,192.21	1/4	2,888.04	1/4	3,619.78	1/4	4,376.18	1/4	5,146.16	1/4	5,919.60
1/2	118.39	1/2	483.25	1/2	976.85	1/2	1,558.77	1/2	2,206.21	1/2	2,902.93	1/2	3,635.30	1/2	4,392.10	1/2	5,162.27	1/2	5,935.68
3/4	124.22	3/4	492.29	3/4	988.07	3/4	1,571.60	3/4	2,220.21	3/4	2,917.82	3/4	3,650.82	3/4	4,408.01	3/4	5,178.39	3/4	5,951.76
8	130.05	8	501.33	8	999.29	8	1,584.43	8	2,234.21	8	2,932.71	8	3,666.33	8	4,423.93	8	5,194.50	8	5,967.83
1/4	136.25	1/4	510.79	1/4	1,010.80	1/4	1,597.46	1/4	2,248.41	1/4	2,947.73	1/4	3,681.96	1/4	4,439.90	1/4	5,210.64	1/4	5,983.91
1/2	142.45	1/2	520.25	1/2	1,022.32	1/2	1,610.50	1/2	2,262.61	1/2	2,962.75	1/2	3,697.60	1/2	4,455.87	1/2	5,226.79	1/2	5,999.99
3/4	148.65	3/4	529.71	3/4	1,033.84	3/4	1,623.54	3/4	2,276.80	3/4	2,977.77	3/4	3,713.23	3/4	4,471.84	3/4	5,242.93	3/4	6,016.07
9	154.86	9	539.17	9	1,045.36	9	1,636.57	9	2,291.00	9	2,992.79	9	3,728.86	9	4,487.81	9	5,259.07	9	6,032.14
1/4	161.39	1/4	548.63	1/4	1,056.88	1/4	1,649.60	1/4	2,305.19	1/4	3,007.80	1/4	3,744.49	1/4	4,503.77	1/4	5,275.22	1/4	6,048.21
1/2	167.93	1/2	558.08	1/2	1,068.39	1/2	1,662.63	1/2	2,319.38	1/2	3,022.81	1/2	3,760.13	1/2	4,519.37	1/2	5,291.37	1/2	6,064.29
3/4	174.46	3/4	567.54	3/4	1,079.91	3/4	1,675.66	3/4	2,333.57	3/4	3,037.82	3/4	3,775.77	3/4	4,535.70	3/4	5,307.52	3/4	6,080.36
10	181.00	10	577.00	10	1,091.43	10	1,688.69	10	2,347.76	10	3,052.83	10	3,791.40	10	4,551.67	10	5,323.67	10	6,096.43
1/4	187.85	1/4	586.86	1/4	1,103.25	1/4	1,701.93	1/4	2,362.10	1/4	3,067.96	1/4	3,807.08	1/4	4,567.68	1/4	5,339.76	1/4	6,112.49
1/2	194.70	1/2	596.71	1/2	1,115.07	1/2	1,715.18	1/2	2,376.43	1/2	3,083.10	1/2	3,822.76	1/2	4,583.69	1/2	5,355.85	1/2	6,128.56
3/4	201.55	3/4	606.57	3/4	1,126.89	3/4	1,728.42	3/4	2,390.76	3/4	3,098.23	3/4	3,838.44	3/4	4,599.70	3/4	5,371.93	3/4	6,144.62
11	208.40	11	616.43	11	1,138.71	11	1,741.67	11	2,405.10	11	3,113.36	11	3,854.12	11	4,615.11	11	5,388.02	11	6,160.69
1/4	215.47	1/4	626.28	1/4	1,150.53	1/4	1,754.92	1/4	2,419.42	1/4	3,128.49	1/4	3,869.80	1/4	4,631.72	1/4	5,404.11	1/4	6,176.73
1/2	222.54	1/2	636.13	1/2	1,162.35	1/2	1,768.17	1/2	2,433.75	1/2	3,143.62	1/2	3,885.48	1/2	4,647.73	1/2	5,420.20	1/2	6,192.77
3/4	229.60	3/4	645.98	3/4	1,174.16	3/4	1,781.42	3/4	2,448.08	3/4	3,158.75	3/4	3,901.16	3/4	4,663.73	3/4	5,436.29	3/4	6,208.82

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
GAUGE POINT: BERGAN MIDSHIP DFG GAUGING SYSTEM.

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BARGE "KIRBY 21855"

PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "COLUMBIA"

BERGAN MIDSHIP DFG GAUGING SYSTEM

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0	6,224.86	0	6,987.10	0	7,728.95	0	8,438.83	0	9,104.40	0	9,710.24	0	10,236.45	0	10,651.79	0	0	0	0
1/4	6,240.86	1/4	7,002.77	1/4	7,744.08	1/4	8,453.16	1/4	9,117.65	1/4	9,722.05	1/4	10,246.30	1/4	10,658.74	1/4	1/4	1/4	1/4
1/2	6,256.87	1/2	7,018.45	1/2	7,759.21	1/2	8,467.49	1/2	9,130.89	1/2	9,733.87	1/2	10,256.15	1/2	10,665.70	1/2	1/2	1/2	1/2
3/4	6,272.87	3/4	7,034.13	3/4	7,774.35	3/4	8,481.82	3/4	9,144.14	3/4	9,745.68	3/4	10,266.01	3/4	10,672.66	3/4	3/4	3/4	3/4
1	6,288.88	1	7,049.81	1	7,789.48	1	8,496.14	1	9,157.38	1	9,757.50	1	10,275.86	1	10,679.62	1	1	1	1
1/4	6,304.87	1/4	7,065.46	1/4	7,804.55	1/4	8,510.40	1/4	9,170.52	1/4	9,769.17	1/4	10,285.51	1/4	10,686.32	1/4	1/4	1/4	1/4
1/2	6,320.86	1/2	7,081.12	1/2	7,819.62	1/2	8,524.67	1/2	9,183.67	1/2	9,780.83	1/2	10,295.17	1/2	10,693.01	1/2	1/2	1/2	1/2
3/4	6,336.85	3/4	7,096.77	3/4	7,834.69	3/4	8,538.93	3/4	9,196.81	3/4	9,792.50	3/4	10,304.82	3/4	10,699.71	3/4	3/4	3/4	3/4
2	6,352.83	2	7,112.43	2	7,849.76	2	8,553.19	2	9,209.95	2	9,804.17	2	10,314.48	2	10,706.40	2	2	2	2
1/4	6,368.80	1/4	7,128.07	1/4	7,864.78	1/4	8,567.39	1/4	9,222.98	1/4	9,815.69	1/4	10,323.93	1/4	10,712.77	1/4	1/4	1/4	1/4
1/2	6,384.77	1/2	7,143.70	1/2	7,879.80	1/2	8,581.58	1/2	9,236.01	1/2	9,827.21	1/2	10,333.39	1/2	10,719.14	1/2	1/2	1/2	1/2
3/4	6,400.74	3/4	7,159.34	3/4	7,894.82	3/4	8,595.78	3/4	9,249.04	3/4	9,838.74	3/4	10,342.85	3/4	10,725.51	3/4	3/4	3/4	3/4
3	6,416.71	3	7,174.98	3	7,909.83	3	8,609.98	3	9,262.07	3	9,850.26	3	10,352.31	3	10,731.88	3	3	3	3
1/4	6,432.65	1/4	7,190.55	1/4	7,924.79	1/4	8,624.07	1/4	9,275.00	1/4	9,861.63	1/4	10,361.57	1/4	10,737.89	1/4	1/4	1/4	1/4
1/2	6,448.60	1/2	7,206.12	1/2	7,939.74	1/2	8,638.17	1/2	9,287.93	1/2	9,873.00	1/2	10,370.82	1/2	10,743.90	1/2	1/2	1/2	1/2
3/4	6,464.54	3/4	7,221.69	3/4	7,954.69	3/4	8,652.26	3/4	9,300.86	3/4	9,884.37	3/4	10,380.08	3/4	10,749.92	3/4	3/4	3/4	3/4
4	6,480.48	4	7,237.26	4	7,969.64	4	8,666.36	4	9,313.79	4	9,895.74	4	10,389.33	4	10,755.93	4	4	4	4
1/4	6,496.40	1/4	7,252.79	1/4	7,984.54	1/4	8,680.36	1/4	9,326.61	1/4	9,906.96	1/4	10,398.38	1/4	10,761.57	1/4	1/4	1/4	1/4
1/2	6,512.32	1/2	7,268.31	1/2	7,999.43	1/2	8,694.37	1/2	9,339.44	1/2	9,918.18	1/2	10,407.42	1/2	10,767.20	1/2	1/2	1/2	1/2
3/4	6,528.24	3/4	7,283.83	3/4	8,014.32	3/4	8,708.37	3/4	9,352.27	3/4	9,929.40	3/4	10,416.46	3/4	10,772.84	3/4	3/4	3/4	3/4
5	6,544.17	5	7,299.36	5	8,029.21	5	8,722.38	5	9,365.10	5	9,940.62	5	10,425.50	5	10,778.48	5	5	5	5
1/4	6,560.08	1/4	7,314.83	1/4	8,044.05	1/4	8,736.29	1/4	9,377.80	1/4	9,951.68	1/4	10,434.32	1/4	10,783.70	1/4	1/4	1/4	1/4
1/2	6,575.99	1/2	7,330.31	1/2	8,058.89	1/2	8,750.20	1/2	9,390.50	1/2	9,962.74	1/2	10,443.13	1/2	10,788.93	1/2	1/2	1/2	1/2
3/4	6,591.90	3/4	7,345.79	3/4	8,073.73	3/4	8,764.11	3/4	9,403.20	3/4	9,973.80	3/4	10,451.95	3/4	10,794.15	3/4	3/4	3/4	3/4
6	6,607.81	6	7,361.26	6	8,088.57	6	8,778.02	6	9,415.90	6	9,984.86	6	10,460.76	6	10,799.38	6	6	6	6
1/4	6,623.71	1/4	7,376.70	1/4	8,103.36	1/4	8,791.85	1/4	9,428.48	1/4	9,995.76	1/4	10,469.35	1/4	10,804.15	1/4	1/4	1/4	1/4
1/2	6,639.61	1/2	7,392.13	1/2	8,118.14	1/2	8,805.68	1/2	9,441.06	1/2	10,006.67	1/2	10,477.93	1/2	10,808.93	1/2	1/2	1/2	1/2
3/4	6,655.51	3/4	7,407.57	3/4	8,132.93	3/4	8,819.51	3/4	9,453.64	3/4	10,017.57	3/4	10,486.51	3/4	10,813.70	3/4	3/4	3/4	3/4
7	6,671.40	7	7,423.00	7	8,147.71	7	8,833.33	7	9,466.21	7	10,028.48	7	10,495.10	7	10,818.48	7	7	7	7
1/4	6,687.26	1/4	7,438.39	1/4	8,162.42	1/4	8,847.08	1/4	9,478.67	1/4	10,039.22	1/4	10,503.44	1/4	10,822.76	1/4	1/4	1/4	1/4
1/2	6,703.12	1/2	7,453.77	1/2	8,177.12	1/2	8,860.83	1/2	9,491.12	1/2	10,049.96	1/2	10,511.79	1/2	10,827.04	1/2	1/2	1/2	1/2
3/4	6,718.98	3/4	7,469.16	3/4	8,191.82	3/4	8,874.58	3/4	9,503.57	3/4	10,060.71	3/4	10,520.13	3/4	10,831.32	3/4	3/4	3/4	3/4
8	6,734.83	8	7,484.55	8	8,206.52	8	8,888.33	8	9,516.02	8	10,071.45	8	10,528.48	8	10,835.60	8	8	8	8
1/4	6,750.65	1/4	7,499.89	1/4	8,221.15	1/4	8,901.99	1/4	9,528.36	1/4	10,082.04	1/4	10,536.58	1/4	10,839.30	1/4	1/4	1/4	1/4
1/2	6,766.46	1/2	7,515.23	1/2	8,235.79	1/2	8,915.65	1/2	9,540.69	1/2	10,092.62	1/2	10,544.68	1/2	10,843.00	1/2	1/2	1/2	1/2
3/4	6,782.28	3/4	7,530.57	3/4	8,250.42	3/4	8,929.32	3/4	9,553.02	3/4	10,103.20	3/4	10,552.78	3/4	10,846.70	3/4	3/4	3/4	3/4
9	6,798.10	9	7,545.90	9	8,265.05	9	8,942.98	9	9,565.36	9	10,113.79	9	10,560.88	9	10,850.40	9	9	9	9
1/4	6,813.88	1/4	7,561.21	1/4	8,279.60	1/4	8,956.54	1/4	9,577.56	1/4	10,124.19	1/4	10,568.71	1/4	10,853.43	1/4	1/4	1/4	1/4
1/2	6,829.65	1/2	7,576.51	1/2	8,294.15	1/2	8,970.10	1/2	9,589.76	1/2	10,134.60	1/2	10,576.55	1/2	10,856.45	1/2	1/2	1/2	1/2
3/4	6,845.43	3/4	7,591.82	3/4	8,308.71	3/4	8,983.65	3/4	9,601.96	3/4	10,145.00	3/4	10,584.38	3/4	10,859.48	3/4	3/4	3/4	3/4
10	6,861.21	10	7,607.12	10	8,323.26	10	8,997.21	10	9,614.17	10	10,155.40	10	10,592.21	10	10,862.50	10	10	10	10
1/4	6,876.97	1/4	7,622.38	1/4	8,337.74	1/4	9,010.66	1/4	9,626.24	1/4	10,165.63	1/4	10,599.79	1/4	10,864.94	1/4	1/4	1/4	1/4
1/2	6,892.73	1/2	7,637.64	1/2	8,352.23	1/2	9,024.11	1/2	9,638.31	1/2	10,175.86	1/2	10,607.37	1/2	10,866.57	1/2	1/2	1/2	1/2
3/4	6,908.48	3/4	7,652.90	3/4	8,366.71	3/4	9,037.55	3/4	9,650.38	3/4	10,186.08	3/4	10,614.95	3/4	10,868.61	3/4	3/4	3/4	3/4
11	6,924.24	11	7,668.17	11	8,381.19	11	9,051.00	11	9,662.45	11	10,196.31	11	10,622.52	11	10,870.64	11	11	11	11
1/4	6,939.95	1/4	7,683.36	1/4	8,395.60	1/4	9,064.35	1/4	9,674.40	1/4	10,206.35	1/4	10,629.84	1/4	10,872.07	1/4	1/4	1/4	1/4
1/2	6,955.67	1/2	7,698.56	1/2	8,410.01	1/2	9,077.70	1/2	9,686.35	1/2	10,216.38	1/2	10,637.15	1/2	10,873.50	1/2	1/2	1/2	1/2
3/4	6,971.38	3/4	7,713.76	3/4	8,424.42	3/4	9,091.05	3/4	9,698.29	3/4	10,226.42	3/4	10,644.47	3/4	10,874.93	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77568
http://www.pmacorp.net

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2007



BARGE "KIRBY 21855"

STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "COLUMBIA"

BERGAN MIDSHIP DFG GAUGING SYSTEM

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0.83	0	236.76	0	656.14	0	1,186.52	0	1,795.48	0	2,463.45	0	3,175.12	0	3,918.21	0	4,681.21	0	5,453.93
1/4	2.26	1/4	244.24	1/4	666.37	1/4	1,198.61	1/4	1,808.93	1/4	2,477.94	1/4	3,190.39	1/4	3,933.97	1/4	4,697.29	1/4	5,470.02
1/2	3.68	1/2	251.73	1/2	676.61	1/2	1,210.69	1/2	1,822.38	1/2	2,492.43	1/2	3,205.65	1/2	3,949.73	1/2	4,713.36	1/2	5,486.12
3/4	5.10	3/4	259.21	3/4	686.84	3/4	1,222.77	3/4	1,835.83	3/4	2,506.92	3/4	3,220.92	3/4	3,965.48	3/4	4,729.43	3/4	5,502.21
1	6.52	1	266.69	1	697.07	1	1,234.86	1	1,849.29	1	2,521.40	1	3,236.19	1	3,981.24	1	4,745.50	1	5,518.31
1/4	9.17	1/4	274.17	1/4	707.30	1/4	1,246.93	1/4	1,862.74	1/4	2,535.89	1/4	3,251.45	1/4	3,996.99	1/4	4,761.51	1/4	5,534.44
1/2	11.81	1/2	281.64	1/2	717.52	1/2	1,259.01	1/2	1,876.20	1/2	2,550.38	1/2	3,266.71	1/2	4,012.75	1/2	4,777.52	1/2	5,550.57
3/4	14.45	3/4	289.12	3/4	727.75	3/4	1,271.09	3/4	1,889.66	3/4	2,564.87	3/4	3,281.98	3/4	4,028.54	3/4	4,793.54	3/4	5,566.70
2	17.10	2	296.60	2	737.98	2	1,283.17	2	1,903.12	2	2,579.36	2	3,297.24	2	4,044.26	2	4,809.55	2	5,582.83
1/4	20.49	1/4	304.64	1/4	748.57	1/4	1,295.50	1/4	1,916.79	1/4	2,593.99	1/4	3,312.58	1/4	4,060.08	1/4	4,825.68	1/4	5,598.98
1/2	23.88	1/2	312.69	1/2	759.15	1/2	1,307.83	1/2	1,930.45	1/2	2,608.62	1/2	3,327.92	1/2	4,075.89	1/2	4,841.81	1/2	5,615.13
3/4	27.27	3/4	320.74	3/4	769.74	3/4	1,320.17	3/4	1,944.12	3/4	2,623.25	3/4	3,343.26	3/4	4,091.71	3/4	4,857.94	3/4	5,631.28
3	30.67	3	328.79	3	780.33	3	1,332.50	3	1,957.79	3	2,637.88	3	3,358.60	3	4,107.52	3	4,874.07	3	5,647.43
1/4	34.67	1/4	336.83	1/4	790.92	1/4	1,344.84	1/4	1,971.45	1/4	2,652.51	1/4	3,373.94	1/4	4,123.33	1/4	4,890.15	1/4	5,663.55
1/2	38.68	1/2	344.88	1/2	801.51	1/2	1,357.18	1/2	1,985.12	1/2	2,667.14	1/2	3,389.29	1/2	4,139.14	1/2	4,906.23	1/2	5,679.67
3/4	42.68	3/4	352.93	3/4	812.10	3/4	1,369.52	3/4	1,998.79	3/4	2,681.77	3/4	3,404.63	3/4	4,154.95	3/4	4,922.30	3/4	5,695.79
4	46.69	4	360.98	4	822.69	4	1,381.86	4	2,012.45	4	2,696.40	4	3,419.98	4	4,170.76	4	4,938.38	4	5,711.90
1/4	51.23	1/4	369.51	1/4	833.60	1/4	1,394.44	1/4	2,026.29	1/4	2,711.20	1/4	3,435.42	1/4	4,186.67	1/4	4,954.47	1/4	5,728.02
1/2	55.77	1/2	378.04	1/2	844.50	1/2	1,407.02	1/2	2,040.12	1/2	2,725.99	1/2	3,450.86	1/2	4,202.57	1/2	4,970.56	1/2	5,744.13
3/4	60.32	3/4	386.57	3/4	855.40	3/4	1,419.61	3/4	2,053.95	3/4	2,740.78	3/4	3,466.30	3/4	4,218.48	3/4	4,986.65	3/4	5,760.24
5	64.86	5	395.10	5	866.31	5	1,432.19	5	2,067.79	5	2,755.57	5	3,481.74	5	4,234.38	5	5,002.74	5	5,776.36
1/4	69.86	1/4	403.63	1/4	877.22	1/4	1,444.77	1/4	2,081.62	1/4	2,770.36	1/4	3,497.17	1/4	4,250.29	1/4	5,018.83	1/4	5,792.45
1/2	74.87	1/2	412.15	1/2	888.13	1/2	1,457.36	1/2	2,095.45	1/2	2,785.16	1/2	3,512.61	1/2	4,266.19	1/2	5,034.93	1/2	5,808.55
3/4	79.88	3/4	420.68	3/4	899.04	3/4	1,469.94	3/4	2,109.29	3/4	2,799.95	3/4	3,528.04	3/4	4,282.10	3/4	5,051.02	3/4	5,824.64
6	84.88	6	429.21	6	909.95	6	1,482.52	6	2,123.12	6	2,814.74	6	3,543.48	6	4,298.00	6	5,067.12	6	5,840.74
1/4	90.32	1/4	438.26	1/4	921.18	1/4	1,495.35	1/4	2,137.13	1/4	2,829.64	1/4	3,559.00	1/4	4,313.92	1/4	5,083.23	1/4	5,856.83
1/2	95.75	1/2	447.31	1/2	932.40	1/2	1,508.18	1/2	2,151.14	1/2	2,844.54	1/2	3,574.52	1/2	4,329.85	1/2	5,099.35	1/2	5,872.93
3/4	101.18	3/4	456.36	3/4	943.63	3/4	1,521.01	3/4	2,165.15	3/4	2,859.43	3/4	3,590.05	3/4	4,345.77	3/4	5,115.46	3/4	5,899.02
7	106.62	7	465.40	7	954.86	7	1,533.83	7	2,179.17	7	2,874.33	7	3,605.57	7	4,361.69	7	5,131.57	7	5,905.12
1/4	112.44	1/4	474.45	1/4	966.08	1/4	1,546.67	1/4	2,193.17	1/4	2,889.23	1/4	3,621.10	1/4	4,377.61	1/4	5,147.68	1/4	5,921.20
1/2	118.26	1/2	483.50	1/2	977.31	1/2	1,559.50	1/2	2,207.18	1/2	2,904.12	1/2	3,636.62	1/2	4,393.54	1/2	5,163.80	1/2	5,937.27
3/4	124.08	3/4	492.55	3/4	988.54	3/4	1,572.33	3/4	2,221.18	3/4	2,919.01	3/4	3,652.14	3/4	4,409.46	3/4	5,179.91	3/4	5,953.35
8	129.90	8	501.60	8	999.76	8	1,585.17	8	2,235.19	8	2,933.90	8	3,667.67	8	4,425.38	8	5,196.02	8	5,969.43
1/4	136.10	1/4	511.06	1/4	1,011.29	1/4	1,598.21	1/4	2,249.39	1/4	2,948.92	1/4	3,683.30	1/4	4,441.35	1/4	5,212.17	1/4	5,985.50
1/2	142.29	1/2	520.52	1/2	1,022.81	1/2	1,611.25	1/2	2,263.58	1/2	2,963.94	1/2	3,698.94	1/2	4,457.32	1/2	5,228.31	1/2	6,001.57
3/4	148.48	3/4	529.99	3/4	1,034.33	3/4	1,624.29	3/4	2,277.78	3/4	2,978.96	3/4	3,714.58	3/4	4,473.29	3/4	5,244.45	3/4	6,017.64
9	154.67	9	539.45	9	1,045.86	9	1,637.33	9	2,291.98	9	2,993.98	9	3,730.21	9	4,489.26	9	5,260.80	9	6,033.71
1/4	161.19	1/4	548.92	1/4	1,057.38	1/4	1,650.37	1/4	2,306.18	1/4	3,008.99	1/4	3,745.85	1/4	4,505.23	1/4	5,276.74	1/4	6,049.79
1/2	167.71	1/2	558.38	1/2	1,068.90	1/2	1,663.40	1/2	2,320.38	1/2	3,024.01	1/2	3,761.49	1/2	4,521.20	1/2	5,292.88	1/2	6,065.86
3/4	174.24	3/4	567.85	3/4	1,080.43	3/4	1,676.44	3/4	2,334.58	3/4	3,039.03	3/4	3,777.12	3/4	4,537.17	3/4	5,309.02	3/4	6,081.93
10	180.76	10	577.31	10	1,091.95	10	1,689.48	10	2,348.79	10	3,054.05	10	3,792.76	10	4,553.14	10	5,325.17	10	6,098.00
1/4	187.61	1/4	587.17	1/4	1,103.77	1/4	1,702.73	1/4	2,363.12	1/4	3,069.18	1/4	3,808.44	1/4	4,569.15	1/4	5,341.26	1/4	6,114.07
1/2	194.46	1/2	597.02	1/2	1,115.60	1/2	1,715.98	1/2	2,377.45	1/2	3,084.32	1/2	3,824.12	1/2	4,585.17	1/2	5,357.36	1/2	6,130.14
3/4	201.32	3/4	606.88	3/4	1,127.42	3/4	1,729.23	3/4	2,391.79	3/4	3,099.46	3/4	3,839.80	3/4	4,601.18	3/4	5,373.45	3/4	6,146.21
11	208.17	11	616.74	11	1,139.24	11	1,742.48	11	2,406.12	11	3,114.60	11	3,855.48	11	4,617.19	11	5,389.55	11	6,162.29
1/4	215.32	1/4	626.59	1/4	1,151.06	1/4	1,755.73	1/4	2,420.45	1/4	3,129.73	1/4	3,871.16	1/4	4,633.20	1/4	5,405.64	1/4	6,178.31
1/2	222.46	1/2	636.44	1/2	1,162.88	1/2	1,768.98	1/2	2,434.79	1/2	3,144.86	1/2	3,886.85	1/2	4,649.20	1/2	5,421.74	1/2	6,194.33
3/4	229.61	3/4	646.29	3/4	1,174.70	3/4	1,782.23	3/4	2,449.12	3/4	3,159.99	3/4	3,902.53	3/4	4,665.21	3/4	5,437.83	3/4	6,210.36

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
GAUGE POINT: BERGAN MIDSHIP DFG GAUGING SYSTEM.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "KIRBY 21855"

STBD INNAGE TABLE

CAPACITIES IN WHOLE BARRELS OF 42 U.S. GALLONS

FORMERLY "COLUMBIA"

BERGAN MIDSHIP DFG GAUGING SYSTEM

10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	6,226.38	0	6,988.40	0	7,729.86	0	8,439.12	0	9,103.86	0	9,708.50	0	10,233.00	0	10,646.02	0	11,000.00	0	11,311.00
1/4	6,242.39	1/4	7,004.99	1/4	7,744.99	1/4	8,463.45	1/4	9,117.11	1/4	9,720.32	1/4	10,242.85	1/4	10,652.95	1/4	11,010.00	1/4	11,321.00
1/2	6,258.40	1/2	7,019.77	1/2	7,760.12	1/2	8,467.49	1/2	9,130.36	1/2	9,732.14	1/2	10,252.70	1/2	10,659.87	1/2	11,017.00	1/2	11,328.00
3/4	6,274.42	3/4	7,035.46	3/4	7,775.25	3/4	8,482.12	3/4	9,143.61	3/4	9,743.96	3/4	10,262.55	3/4	10,666.79	3/4	11,024.00	3/4	11,334.00
1	6,290.43	1	7,051.14	1	7,790.38	1	8,496.45	1	9,156.86	1	9,755.79	1	10,272.40	1	10,673.71	1	11,030.00	1	11,340.00
1/4	6,306.41	1/4	7,066.79	1/4	7,805.43	1/4	8,510.69	1/4	9,169.95	1/4	9,767.39	1/4	10,281.97	1/4	10,680.32	1/4	11,037.00	1/4	11,346.00
1/2	6,322.39	1/2	7,082.44	1/2	7,820.48	1/2	8,524.04	1/2	9,183.04	1/2	9,778.99	1/2	10,291.54	1/2	10,686.93	1/2	11,043.00	1/2	11,352.00
3/4	6,338.38	3/4	7,098.09	3/4	7,835.52	3/4	8,539.17	3/4	9,196.13	3/4	9,790.59	3/4	10,301.10	3/4	10,693.54	3/4	11,049.00	3/4	11,358.00
2	6,354.36	2	7,113.74	2	7,850.57	2	8,553.40	2	9,209.21	2	9,802.19	2	10,310.67	2	10,700.14	2	11,055.00	2	11,364.00
1/4	6,370.32	1/4	7,129.37	1/4	7,865.59	1/4	8,567.60	1/4	9,222.25	1/4	9,813.71	1/4	10,320.13	1/4	10,706.42	1/4	11,061.00	1/4	11,370.00
1/2	6,386.29	1/2	7,145.01	1/2	7,880.61	1/2	8,581.80	1/2	9,235.29	1/2	9,825.24	1/2	10,329.60	1/2	10,712.69	1/2	11,067.00	1/2	11,376.00
3/4	6,402.25	3/4	7,160.65	3/4	7,895.62	3/4	8,595.99	3/4	9,248.32	3/4	9,836.76	3/4	10,339.06	3/4	10,718.96	3/4	11,073.00	3/4	11,382.00
3	6,418.21	3	7,176.29	3	7,910.64	3	8,610.19	3	9,261.36	3	9,848.29	3	10,348.52	3	10,725.24	3	11,079.00	3	11,388.00
1/4	6,434.15	1/4	7,191.83	1/4	7,925.57	1/4	8,624.24	1/4	9,274.24	1/4	9,859.59	1/4	10,357.67	1/4	10,731.15	1/4	11,085.00	1/4	11,394.00
1/2	6,450.08	1/2	7,207.38	1/2	7,940.50	1/2	8,638.30	1/2	9,287.13	1/2	9,870.89	1/2	10,366.82	1/2	10,737.07	1/2	11,091.00	1/2	11,400.00
3/4	6,466.02	3/4	7,223.93	3/4	7,955.43	3/4	8,652.35	3/4	9,300.02	3/4	9,882.20	3/4	10,375.97	3/4	10,742.99	3/4	11,097.00	3/4	11,406.00
4	6,481.95	4	7,238.48	4	7,970.36	4	8,666.40	4	9,312.90	4	9,893.50	4	10,385.12	4	10,748.90	4	11,103.00	4	11,412.00
1/4	6,497.88	1/4	7,254.00	1/4	7,985.26	1/4	8,680.42	1/4	9,325.74	1/4	9,904.72	1/4	10,394.17	1/4	10,754.43	1/4	11,109.00	1/4	11,418.00
1/2	6,513.80	1/2	7,269.52	1/2	8,000.15	1/2	8,694.43	1/2	9,338.57	1/2	9,915.94	1/2	10,403.21	1/2	10,759.96	1/2	11,115.00	1/2	11,424.00
3/4	6,529.72	3/4	7,285.05	3/4	8,015.05	3/4	8,708.44	3/4	9,351.40	3/4	9,927.16	3/4	10,412.26	3/4	10,765.49	3/4	11,121.00	3/4	11,430.00
5	6,545.64	5	7,300.57	5	8,029.95	5	8,722.45	5	9,364.24	5	9,938.38	5	10,421.31	5	10,771.02	5	11,127.00	5	11,436.00
1/4	6,561.55	1/4	7,316.03	1/4	8,044.77	1/4	8,736.33	1/4	9,376.88	1/4	9,949.38	1/4	10,430.02	1/4	10,776.14	1/4	11,133.00	1/4	11,442.00
1/2	6,577.46	1/2	7,331.49	1/2	8,059.58	1/2	8,750.20	1/2	9,389.52	1/2	9,960.37	1/2	10,438.73	1/2	10,781.25	1/2	11,139.00	1/2	11,448.00
3/4	6,593.37	3/4	7,346.95	3/4	8,074.40	3/4	8,764.08	3/4	9,402.17	3/4	9,971.36	3/4	10,447.43	3/4	10,786.36	3/4	11,145.00	3/4	11,454.00
6	6,609.29	6	7,362.40	6	8,089.21	6	8,777.95	6	9,414.81	6	9,982.32	6	10,456.14	6	10,791.48	6	11,151.00	6	11,460.00
1/4	6,625.19	1/4	7,377.85	1/4	8,104.01	1/4	8,791.79	1/4	9,427.39	1/4	9,993.37	1/4	10,464.73	1/4	10,796.13	1/4	11,157.00	1/4	11,466.00
1/2	6,641.10	1/2	7,393.29	1/2	8,118.80	1/2	8,805.62	1/2	9,439.98	1/2	10,004.18	1/2	10,473.32	1/2	10,800.79	1/2	11,163.00	1/2	11,472.00
3/4	6,657.00	3/4	7,408.73	3/4	8,133.59	3/4	8,819.45	3/4	9,452.56	3/4	10,015.09	3/4	10,481.91	3/4	10,805.44	3/4	11,169.00	3/4	11,478.00
7	6,672.90	7	7,424.17	7	8,148.38	7	8,833.29	7	9,465.14	7	10,026.00	7	10,490.50	7	10,810.10	7	11,175.00	7	11,484.00
1/4	6,688.74	1/4	7,439.53	1/4	8,163.05	1/4	8,846.99	1/4	9,477.54	1/4	10,036.67	1/4	10,498.73	1/4	10,814.24	1/4	11,181.00	1/4	11,490.00
1/2	6,704.57	1/2	7,454.89	1/2	8,177.73	1/2	8,860.70	1/2	9,489.94	1/2	10,047.33	1/2	10,506.95	1/2	10,818.38	1/2	11,187.00	1/2	11,496.00
3/4	6,720.40	3/4	7,470.26	3/4	8,192.40	3/4	8,874.41	3/4	9,502.34	3/4	10,058.00	3/4	10,515.18	3/4	10,822.52	3/4	11,193.00	3/4	11,502.00
8	6,736.24	8	7,485.62	8	8,207.07	8	8,888.12	8	9,514.74	8	10,068.67	8	10,523.40	8	10,826.67	8	11,199.00	8	11,508.00
1/4	6,752.05	1/4	7,500.96	1/4	8,221.70	1/4	8,901.79	1/4	9,527.08	1/4	10,079.26	1/4	10,531.51	1/4	10,830.21	1/4	11,205.00	1/4	11,514.00
1/2	6,767.87	1/2	7,516.31	1/2	8,236.33	1/2	8,915.45	1/2	9,539.42	1/2	10,089.85	1/2	10,539.62	1/2	10,833.75	1/2	11,211.00	1/2	11,520.00
3/4	6,783.68	3/4	7,531.65	3/4	8,250.96	3/4	8,929.12	3/4	9,551.76	3/4	10,100.43	3/4	10,547.73	3/4	10,837.29	3/4	11,217.00	3/4	11,526.00
9	6,799.50	9	7,547.00	9	8,265.60	9	8,942.79	9	9,564.10	9	10,111.02	9	10,555.83	9	10,840.83	9	11,223.00	9	11,532.00
1/4	6,815.27	1/4	7,562.29	1/4	8,280.12	1/4	8,956.30	1/4	9,576.24	1/4	10,121.34	1/4	10,563.54	1/4	10,843.67	1/4	11,229.00	1/4	11,538.00
1/2	6,831.04	1/2	7,577.57	1/2	8,294.64	1/2	8,969.81	1/2	9,588.38	1/2	10,131.65	1/2	10,571.25	1/2	10,846.50	1/2	11,235.00	1/2	11,544.00
3/4	6,846.80	3/4	7,592.86	3/4	8,309.17	3/4	8,983.32	3/4	9,600.52	3/4	10,141.97	3/4	10,578.96	3/4	10,849.33	3/4	11,241.00	3/4	11,550.00
10	6,862.57	10	7,608.14	10	8,323.69	10	8,996.83	10	9,612.67	10	10,152.29	10	10,586.67	10	10,852.17	10	11,247.00	10	11,556.00
1/4	6,878.33	1/4	7,623.40	1/4	8,338.18	1/4	9,010.29	1/4	9,624.74	1/4	10,162.51	1/4	10,594.24	1/4	10,855.89	1/4	11,253.00	1/4	11,562.00
1/2	6,894.08	1/2	7,638.67	1/2	8,352.67	1/2	9,023.74	1/2	9,636.82	1/2	10,172.74	1/2	10,609.40	1/2	10,858.62	1/2	11,259.00	1/2	11,568.00
3/4	6,909.84	3/4	7,653.93	3/4	8,367.15	3/4	9,037.19	3/4	9,649.89	3/4	10,182.96	3/4	10,619.40	3/4	10,861.35	3/4	11,265.00	3/4	11,574.00
11	6,925.60	11	7,669.19	11	8,381.64	11	9,050.64	11	9,660.98	11	10,193.19	11	10,616.98	11	10,864.10	11	11,271.00	11	11,580.00
1/4	6,941.30	1/4	7,684.36	1/4	8,396.01	1/4	9,063.95	1/4	9,672.86	1/4	10,203.14	1/4	10,624.24	1/4	10,866.50	1/4	11,277.00	1/4	11,586.00
1/2	6,957.00	1/2	7,699.52	1/2	8,410.38	1/2	9,077.25	1/2	9,684.74	1/2	10,213.10	1/2	10,631.50	1/2	10,868.30	1/2	11,283.00	1/2	11,592.00
3/4	6,972.70	3/4	7,714.69	3/4	8,424.75	3/4	9,090.55	3/4	9,696.62	3/4	10,223.05	3/4	10,638.76	3/4	10,870.00	3/4	11,289.00	3/4	11,598.00

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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